



Oral Health Programme MINISTRY OF HEALTH MALAYSIA

2023 ANNUAL REPORT



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MOH/K/GIG/6-2024(AR)



Table of Contents

01.

Foreword
Vision & Mission
Objective
Organisation Structure
Management & Professional Staff

02.

HIGHLIGHTS OF 2023

03.

RESOURCE MANAGEMENT

- Financial Resource Management
- Human Resource Management

04.

ACTIVITIES AND ACHIEVEMENTS : ORAL HEALTH
POLICY AND STRATEGIC PLANNING DIVISION

- Oral Health Epidemiology and Research
- Oral Health Professional Development
- Oral Health Facility Development
- Oral Health Technology
- Oral Health Information Management

05.

ACTIVITIES AND ACHIEVEMENTS :
ORAL HEALTHCARE DIVISION

- Oral Health Promotion
- Primary Oral Healthcare
- Specialist Oral Healthcare
- Community Oral Healthcare



Table of Contents

06.

ACTIVITIES AND ACHIEVEMENTS : ORAL HEALTH PRACTICE AND DEVELOPMENT DIVISION

- Oral Health Accreditation and Globalisation
- Oral Health Legislation and Enforcement
- Oral Health Quality

07.

MALAYSIAN DENTAL COUNCIL

08.

MALAYSIAN DENTAL THERAPISTS BOARD

09.

CONCLUSION & WAY FORWARD

10.

EDITORIAL COMMITTEE & ACKNOWLEDGEMENT

11.

ACRONYMS AND ABBREVIATIONS



01.

- **Foreword**
- **Vision & Mission**
- **Objective**
- **Organisation Structure**
- **Management & Professional Staff**

FOREWORD

Principal Director of Oral Health
Ministry of Health Malaysia

I am pleased to present the Oral Health Programme Ministry of Health Malaysia (OHP MOH) Annual Report 2023. This report reflects the dedication and tireless efforts of our team at the OHP MOH, in collaboration with our partners across the healthcare system and within the community, in improving oral health in Malaysia.

The year 2023 had proven a remarkable progress towards achieving our vision of a nation with optimal oral health. A significant milestone was achieved when the Deputy Prime Minister of Malaysia, Yang Amat Berhormat Dato' Sri Haji Fadillah bin Haji Yusof, officially launched the National Oral Health Policy during the World Oral Health Day 2023 celebrations, which took place on 20 March 2023, at Sasana Kijang, Bank Negara Malaysia, marking a pivotal step in the nation's commitment to oral healthcare. OHP MOH implemented the strategies in line with the National Oral Health Policy, 12th Malaysia Plan and the Ministry of Health's Strategic Plan 2021-2025.

Additionally, the OHP MOH's strategic direction aligns with the World Health Assembly Resolution on oral health (WHA74.5), the Global Strategy on Oral Health (A75/10 Add.1 & decision WHA 75(11)), and the Global Oral Health Action Plan 2023-2030 (WHA 76(9)). These frameworks recognize that many oral diseases are largely preventable and can be effectively treated using simple and non-invasive procedures at the primary care level. There is an urgent need to intensify efforts for a paradigm shift from the traditional curative or sick-care approach to a promotive, preventive, and wellness approach, incorporating a public health perspective on oral health. This includes better integration of oral health services within mainstream health system structures and developing a workforce model that more effectively responds to population needs while seeking and engaging the perspective of individuals, families, and communities, especially those affected by poor oral health.

The Health White Paper (HWP) for Malaysia was approved in the House of Representatives (*Dewan Rakyat*) on the 15th of June 2023 and in the Senate (*Dewan Negara*) on 26th of June 2023, thus paving the way on reforming the public health system to achieve better health and well-being for the people. The strategic framework for health system reform in the HWP was summarised across four (4) reform pillars, including on oral health. Oral health is an integral component of overall well-being, and ensuring access to quality oral healthcare services for Malaysians is crucial. The National Health and Morbidity Survey (NHMS) 2020: National Oral Health Survey of Adults (NOHSA) 2020, was successfully published in 2023 after delays due to the COVID-19 pandemic. The findings provide a comprehensive picture of the nation's oral health. This valuable data is crucial for the development of future oral health policies and interventions, promoting a healthier smile for all Malaysians.

FOREWORD

Principal Director of Oral Health
Ministry of Health Malaysia

This report details the OHP MOH's achievements in key areas which include strengthened policy and planning, oral healthcare delivery and practice. Despite these achievements, challenges remain, particularly in maintaining optimal oral health behaviours among Malaysians as this requires continuous efforts. Looking ahead, the OHP MOH remains committed to drive continuous improvement in oral health outcomes for all Malaysians. We are committed to innovation, exploring modern technologies and service delivery models to enhance accessibility and affordability. We will continue to collaborate with stakeholders to integrate oral health into broader healthcare initiatives, contributing to a healthier and more productive population.

I would like to express my deepest gratitude to all our stakeholders across all sectors. This dedicated group includes dental professionals, public health officials, community leaders, non-governmental organizations, media partners, and companies who support our initiatives. Your collaboration and unwavering support are valuable in advancing oral health in Malaysia.

I invite you to explore this report and learn more about the OHP MOH's ongoing efforts to build a nation where a healthy smile is within reach for everyone.

Dr. Noormi binti Othman
Principal Director of Oral Health
Ministry of Health Malaysia



Vision & Mission

Vision

A nation working together for better health



Mission

The mission of the Ministry of Health is to lead and work in partnership to facilitate and support the people to:

- attain fully their potential in health
- appreciate health as a valuable asset
- take individual responsibility and positive action for their health

to ensure a high quality and healthcare system that is

- equitable
- affordable
- efficient
- technologically appropriate
- environmentally adaptable
- customer centered
- innovative

with emphasis on:

- professionalism, caring and teamwork value
- respect for human dignity
- community participation

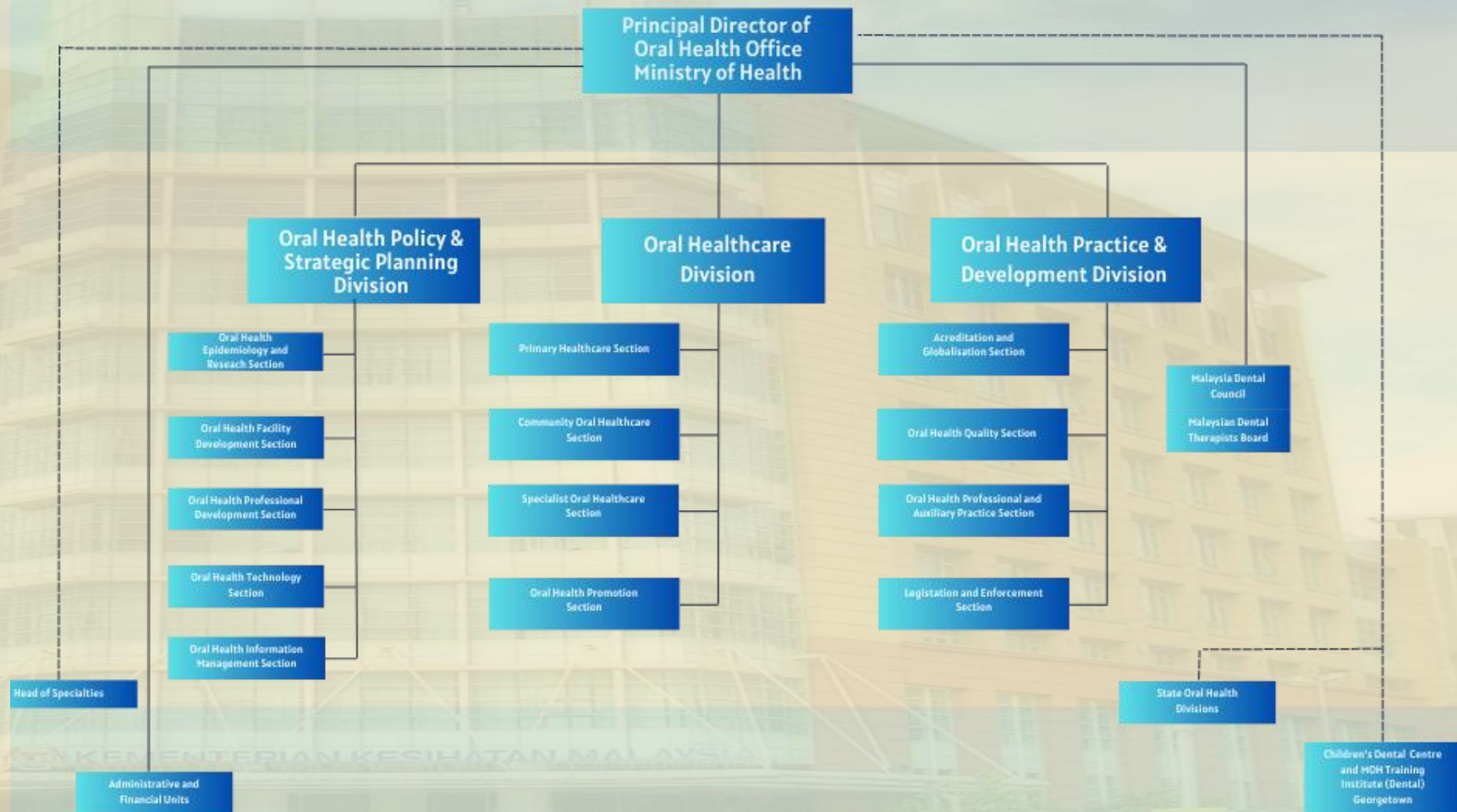
OBJECTIVE



To improve the oral health status of Malaysia through collaboration with stakeholders of public and private sectors in promoting oral healthcare, clinical prevention, treatment and rehabilitation with emphasis on identified priority groups, including marginalised and vulnerable populations in such a way that the oral health status of the people will continually be in conformity with the socio-economic progress of the country.

ORGANISATION STRUCTURE

ORGANISATION STRUCTURE ORAL HEALTH PROGRAMME, MINISTRY OF HEALTH MALAYSIA



MANAGEMENT & PROFESSIONAL STAFF



PRINCIPAL DIRECTOR OF ORAL HEALTH
Dr. Noormi binti Othman, Dr. Mustaffa bin Jaapar,
Ms. Hafizah binti Sadaka Dullah,
Mr. Zulhari bin Abd Muhid



DIRECTOR OF ORAL HEALTH POLICY AND STRATEGIC PLANNING DIVISION
Dr. Fauziah binti Ahmad, Ms. Faizah binti Omar



DIRECTOR OF ORAL HEALTH CARE DIVISION
Dr. Natifah binti Che Salleh,
Ms. Nor Farahan binti Soyuti



DIRECTOR OF ORAL HEALTH PRACTICE AND DEVELOPMENT DIVISION
Dr. Habibah binti Yacob @ Ya'akub, Ms. Noor Atika binti Yahya





02.

Highlights Of 2023

KEMENTERIAN KESIHATAN MALAYSIA

13TH ASIAN CHIEF DENTAL OFFICERS' MEETING (ACDOM)

The 13th ACDOM was held from 8-11 December 2023 with the theme *Oral Health: Time to Action* at Krungsri River Hotel, Ayutthaya, Thailand, organized by Mahidol University, Thailand. Since 2009, Malaysia and Thailand have acted as a joint secretariat for this event. The Principal Director of Oral Health, MOH Malaysia, delivered a presentation entitled *From Global to Local: How Malaysia Delivers Global Oral Health Action Plan (2023-2030)* to National Actions.

Malaysia needs support for the whole-of-government approach to achieve global targets for oral health and a whole-of-nation approach from various stakeholders including the public sector, private sector, non-governmental organizations (NGOs), industry players and communities to achieve the targets as set, by the year 2030.

The service focuses to:

Expand
oral
health
service
coverage

Reduce
oral
disease
burden

Improve
integration
and
access

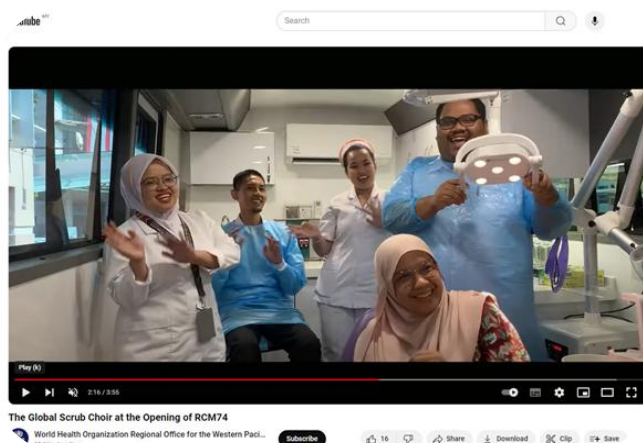
Increase
availability
of essential
dental
medicines



THE GLOBAL SCRUB CHOIR MUSIC VIDEO PROJECT

The World Health Organisation (WHO) Western Pacific Regional Office, in collaboration with the Global Scrub Choir, organised the Music Video Project as an effort to appreciate the service and sacrifice of healthcare personnel.

OHP MOH staff at various levels, including specialists in hospitals and headquarters, participated in the project. The music video, featuring healthcare personnel from across the Western Pacific region, was launched on 15 October 2023, during the 74th Session of the WHO Regional Committee for the Western Pacific in Manila, Philippines.



17TH INTERNATIONAL DENTAL COLLABORATION OF THE MEKONG RIVER REGION (IDCMR) 2023

The 17th IDCMR conference was held from 12-15 October 2023 at Aloft Hotel Pulau Langkawi, Kedah, with the theme Putting Research into Practice.

The Principal Director (Oral Health) delivered the Plenary Session 1, entitled *Global Oral Health Agenda 2030: Role of Stakeholders*. The Global Oral Health Agenda 2030 is an ambitious initiative, resulting from the adoption of The World Health Assembly (WHA) Oral Health Resolution (WHA 74.5) in 2021, which focuses on oral health.

- Comprehensive global strategy to address dental disease
- Global action plan towards universal health protection for dental health



GLOBALISATION AND LIBERALISATION OF ORAL HEALTH SERVICES

The 31st and 32nd meetings of the Association of Southeast Asian Nations (ASEAN) Joint Coordinating Committee on Dental Practitioners (AJCCD) took place online in Jakarta on 31st January 2023, and in-person in Brunei Darussalam on 14 November 2023, marking the first in-person gathering in there since the COVID-19 pandemic.

These meetings are held twice a year and serve as forums to address matters pertaining to the enhancement of cooperation within the Mutual Recognition Agreement (MRA) on dental practitioners.

The OHP MOH provided feedback regarding dental services in bilateral and multilateral negotiations between Malaysia and various countries.

The OHP MOH also participated in preparing the draft on the ASEAN Community Vision 2045, demonstrating commitment to building an ASEAN that is:

Resilient

Innovative

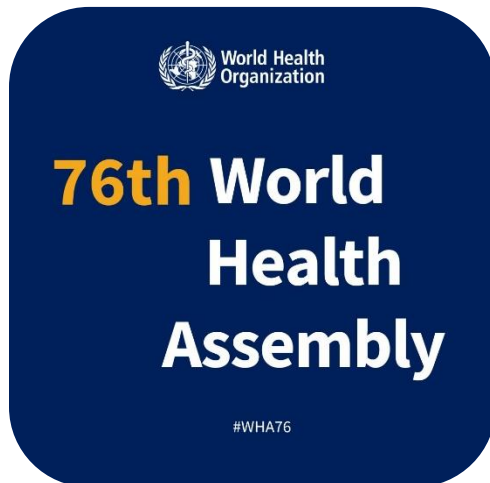
Dynamic

People-centred



76th WORLD HEALTH ASSEMBLY (WHA)

The OHP MOH has played an active role in various collaborations with the World Health Organisation (WHO). In May 2023, for the first time, OHP MOH participated in the 76th WHA in Geneva, Switzerland, together with other Malaysian delegations, accompanying the Malaysian Minister of Health and Director General of Health.



Malaysia, as a member country, is committed to implementing the WHO Global Health Agenda, including the WHA 74.5 Resolution, The Global Oral Health Strategy (2022), and The Global Oral Health Action Plan (2023).

The representatives delivered Malaysia's intervention notes on various health agendas and participated in bilateral discussions with representatives of the WHO Oral Health Programme, participated in meetings with representatives of the WHO Western Pacific Region and engaged in events related to health, non-communicable diseases and oral health agendas, towards Universal Health Coverage for oral health by 2030.

NATIONAL ORAL HEALTH RESEARCH INITIATIVE (NOHRI) SCIENTIFIC CONFERENCE 2023

NOHRI is a collaborative effort between stakeholders of dental research in Malaysia, namely the MOH, public and private universities, the Malaysian Armed Forces, the Oral Cancer Research and Coordinating Centre (OCRCC) and Cancer Research Malaysia.

This collaboration started in 2010 under the 10th Malaysia Plan (10MP). IIUM NOHRI Conference 2023 was organized by Kulliyah of Dentistry, International Islamic University Malaysia (IIUM) with the theme of *Transcending Excellence within the Changing Landscape and Medicolegal Reforms in Dental Practice*, from 20-21 October 2023 at IIUM, Kuantan, Pahang.



WORLD ORAL HEALTH DAY (WOHD) 2023 CELEBRATION AND LAUNCHING OF THE NATIONAL ORAL HEALTH POLICY

The OHP MOH focuses on oral health promotion activities that aim to enable the public to increase control over the determinants of oral health. The activities are intended to increase knowledge and awareness, strengthen the skills and capabilities of individuals and also change social and environmental conditions to improve the oral health status of the population.

On 20 March 2023, the National Oral Health Policy was officially launched in conjunction with World Oral Health Day (WOHD) 2023 at Sasana Kijang, Bank Negara Malaysia. The event was officiated by YAB Dato' Sri Haji Fadillah bin Haji Yusof, Deputy Prime Minister and Minister of Agriculture & Commodities. This celebration received strategic cooperation from various agencies.



Malaysian
Dental
Association
(MDA)

Malaysian
Armed
Forces
(ATM)

Malaysian
Dental
Students'
Association
(MDSA)

Council of
Deans of
Malaysian
Dental
Faculties

HEALTH WHITE PAPER: ORAL HEALTH PROGRAMME

A workshop was held to finalize the activities under the initiative that has been designed to be in line with OHP MOH reform plan and direction, determine the activities that will be carried out under the initiatives that have been identified for each strategy set the implementation stage for the activities that will be carried out to make the initiatives formulated a success.

The Health White Paper outlines four (4) primary pillars:

Transforming
Healthcare
Service
Delivery

Ensuring
Sustainable
and Equitable
Health

Advancing
Health
Promotion and
Disease
Prevention

Strengthening
the Health
System



NATIONAL HEALTH AND MORBIDITY SURVEY 2020: NATIONAL ORAL HEALTH SURVEY OF ADULTS 2020 (NHMS 2020: NOHSA 2020) SEMINAR

The purpose of this seminar was to present the findings from the NHMS 2020: NOHSA 2020, which was successfully conducted in 2022.

The NHMS 2020: NOHSA 2020 Seminar was held at Dewan Serbaguna, Block E7, MOH on 11 September 2023. This seminar involved participants from all dental fraternities in Malaysia such as, dental specialists from the MOH, dental officers from State Oral Health Divisions, the Oral Health Division of the Malaysian Armed Forces and Public and Private Higher Education Institutes, as well as representatives from NGOs. A total of ten (10) presentations were delivered by the Core Team Analysis NHMS 2020: NOHSA 2020. The closing ceremony was officiated by the Principal Director (Oral Health).

16,734
respondents

15
years &
above

6,895
households



QUALITY ASSURANCE WORKSHOP: FROM ZERO TO HERO

For the first time, OHP MOH and the Institute of Health Systems Research (IHSR) collaborated in organising a Quality Assurance training workshop for dental personnel at national level. This workshop was held at the Putrajaya Lake Club from 3-5 October 2023 and was officiated by the Director of Oral Health Practice and Development Division.

In addition to enhancing participants understanding of Quality Assurance (QA) or Quality Improvement (QI) concepts, this course aimed to provide a step-by-step guide on how to conduct QA/QI studies using the Plan-Do-Study-Act (PDSA) method or continuous improvement module.

A representative for the project "QA To Reduce Pain In Adult Patients During Local Anesthesia In Klinik Pergigian Chemor" from Perak also shared their experiences as the QA project winners at the 2022 Quality Convention.

8
modules

7
speakers

37 participants



MYBRUSHHOUR2023

In conjunction with Oral Health Promotion Week 2023 themed “*Mulut Sihat Pilihan Saya*”, the MyBrushHour2023 activity was held simultaneously across the nation for one (1) hour, from 10.00 am to 11.00 am on 15 June 2023.



This activity involved live broadcasts via Facebook Live by MOH, in collaboration with six (6) states namely Kedah, Kelantan, Selangor, Johor, Sabah and Melaka as hosts, and aimed to promote toothbrushing practices as a preventive measure against oral diseases while maintaining optimal oral health. The event successfully engaged 1,225 government and private facilities with participation from 83,289 individuals nationwide.

EXPANDING THE IMPLEMENTATION OF THE ELECTRONIC MEDICAL RECORD (EMR) IN DENTAL CLINICS

The Teleprimary Care-Oral Health Care Information System (TPC-OHCIS) is an integrated clinical operating system which encompasses primary oral health care services (outpatient and outreach oral health care services), preventive programmes and non-hospital based dental specialty services.

TPC-OHCIS was implemented across 31 dental clinics in Negeri Sembilan and one (1) dental clinic in Pulau Pinang and further expanded to 23 dental clinics in Johor, Selangor and the Federal Territory of Kuala Lumpur in 2023.



GABUNGAN RETEN PERKHIDMATAN KESIHATAN PERGIGIAN (GI-RET 2.0) SYSTEM

The Gi-RET 2.0 system, developed in-house by dental personnel, is a web-based platform that serves as a one-stop centre for online data collection, covering dental information for all categories of patients at MOH dental clinics and outreach programmes.



This system was officially rolled out (Go-Live) nationwide in 2023. All oral healthcare reports can be generated automatically in real-time once data is entered by users. Among the advantages of using this system are the generation of up to 75 different reports with a single instance of data entry, uniform compilation of dental data/reports, and better accessibility to reports at each administrative level (clinic, district, state and headquarters).

IMPLEMENTATION OF ONLINE APPOINTMENT BOOKING SYSTEM IN DENTAL CLINICS VIA THE MYSEJAHTERA APPLICATION

An online appointment booking system was rolled out in MOH dental clinics nationwide on 15 May 2023 via the MySejahtera application, as a commitment by the OHP MOH to enhance the quality of oral healthcare services for the population.

By December 2023, a total of 610 dental clinics embraced this system to digitise dental appointments, including follow-up appointments. It has served a total of 802,827 MOH clients who successfully booked and attended their dental appointments as per scheduled slots

Here are some positive feedback received from clients:

Effective in enabling prompt access to oral healthcare

Public may book through MySejahtera application

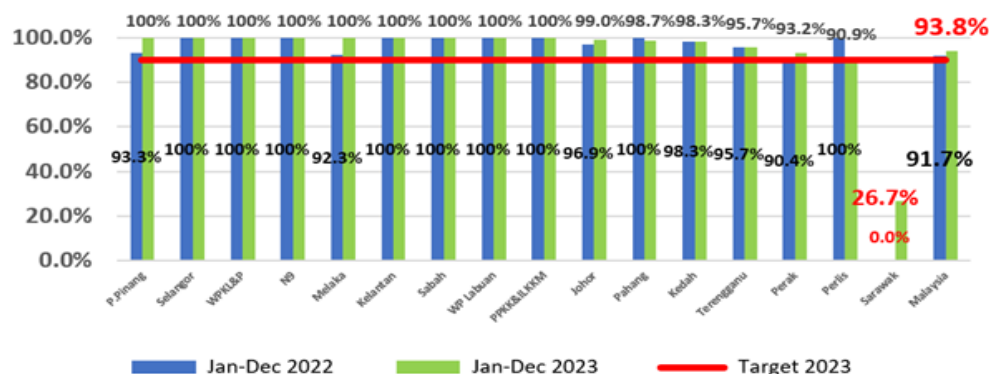
Staff may arrange follow-up appointments

Ease of arranging appointments between dental clinics nationwide



CERTIFICATION OF MS ISO 9001:2015 OHP MOH 2023

In 2023, 663 out of 707 (93.8%) dental clinics which operate daily, successfully obtained MS ISO certification, which marked an increase of 2.1% of certified dental clinics, as compared to 91.7% in 2022.



The percentage of dental clinics with the latest version of MS ISO certification is monitored as one of OHP MOH's Key Performance Indicators (KPI) with a target set at $\geq 90\%$.

ORAL HEALTH FACILITY DEVELOPMENT AND MANAGEMENT COURSE

The course was held at Mtree Hotel Puchong, Selangor from 6 to 8 June 2023 and aimed to obtain the latest information related to the planning and implementation of physical health facility construction projects by the Ministry of Health (MOH), strengthen knowledge related to project application management and KKM development allocation, provide exposure to the Value at Entry (VAE) initiative management implementation system at the project realisation level, receive exposure to the standard operating procedures for managing approval of import goods acquisition at the Ministry of Health Malaysia and government procurement under Free Trade Agreements (FTA) as well as sharing experiences regarding issues and challenges in dental health facility development projects and asset management in the state.



ADDITIONAL POSTS FOR DENTAL SPECIALISTS AND PERMANENT POSITIONS FOR THE DENTAL OFFICER SCHEME IN MOH

The Ministry of Finance approved the creation of new positions and the addition of various service schemes and grades to accommodate the needs and operation of new and upgraded facilities in 2023. Distribution of this new positions is according to the current needs and operational status of the facilities involved.



A total of 70 dental specialist positions have been distributed according to the facilities.

The Cabinet Meeting on 29 January 2022, approved the addition of 4,186 permanent positions for medical officer, dental officer, and pharmacy officer schemes in 2022. Out of this total, 250 permanent positions for the dental officer scheme were added on 8 September 2023. This will be followed by an additional 1,500 positions for the medical officer, dental officer and pharmacy officer schemes until 2025. MOH's effort to fill these critical positions represents a positive change, enabling more contract staff to secure permanent employment in the future.

ACCREDITATION OF DENTAL PROGRAMMES

The Joint Technical Committee for Evaluation of Dental Specialist Programmes (JTCEDSP) and the Joint Technical Accreditation Committee (JTAC) were established under the Malaysian Qualification Agency Act [Act 679] with one of the functions to make recommendations to the MDC on applications for accreditation of dental programmes in Malaysia.

In 2023, a total of 12 meetings were held as planned, and the recommendations of the JTCEDSP and JTAC were presented to the Malaysian Dental Council.

The Code of Practice for Programme Accreditation Postgraduate Dental Degree (COPPA-PG Dental) Committee was established under the JTCEDSP to develop the COPPA-PG Dental document, which will serve as the main reference for the Panel of Assessors and Higher Education Providers during the accreditation process of a Dental Specialty Programme.

The COPPA for Programme Accreditation for Diploma in Dental Therapy (DTP) Committee was established under JTAC to develop COPPA-DTP, which shall be used for the accreditation process of a DTP programme.

Both COPPA documents for PG and DTP programmes are in the development phase and targeted to be ready for endorsement by MDC in 2024.

PROSECUTION UNDER ACT 804

From January 2022 to December 2023, a total of 35 investigation papers (IP) were opened under Act 804 and 8 cases completed the trial process in court with the collection of fines amounting to MYR 432,000.

Authorized Officers under Act 804 were also involved in the enforcement of the Private Healthcare Facilities and Services Act 1998 [Act 586] of which 32 IP have been prepared and ten (10) cases have completed the trial process in court with the collection of fines amounting to MYR 374,000 under this Act. Prosecutions in court were conducted by 6 (six) Dental Prosecuting Officers appointed under Section 377(b) of the Criminal Procedure Code [Act 593].

67
IP

6
PO

MYR
806K in
Total



ENFORCEMENT UNDER THE DENTAL ACT 2018 [ACT 804] AND COLLABORATION WITH THE MEDIA

The Oral Health Legislation and Enforcement Section had received 92 complaints in 2023 with 75 complaints involving illegal dental practice and 17 complaints were related to registered private dental clinics (PDC).

Based on preliminary investigation reports, 87 of the 92 complaints were found to be made on justifiable grounds. A total of 23 raids (26%) were carried out covering three (3) raids on registered PDC and 20 raids related to illegal dental practices attributable to espionage and intelligence carried out. Field supervision was also carried out on Oral Health Division of the State of Johor on 9 - 12 May 2024 to ensure compliance with the Enforcement Standard Operating Procedures (SOP). Additionally, collaborative efforts to raise public awareness on illegal dental practice was done with Media Prima Berhad, whereby four (4) enforcement activities in 2023 were televised via the TV show called "999".

75
Illegal

17
PDC

23
Raids



PUBLICATION OF DENTAL CLINICAL PRACTICE GUIDELINES (CPG)

On 16 November 2023, two dental CPGs were presented at the HTA and CPG Council Meeting. The meeting was chaired by the Director General of Health, MOH. Both CPGs were reviewed and approved by the council members and publication numbers were received from the MOH. These publication numbers serve as official references for health professionals in clinical dental practice in Malaysia.

The CPGs presented and approved on 16th November 2023 were:

- Management of Anterior Crossbite in Mixed Dentition (3rd Edition)
- Management of Hypodontia (2nd Edition)



KAMPUNG ANGKAT PERGIGIAN PROGRAMME

The *Kampung Angkat Pergigian* Programme was first introduced in 2019 in Negeri Sembilan, and was temporarily discontinued due to the COVID-19 pandemic. In 2023, this programme was continued and expanded throughout the country. The *Kampung Angkat Pergigian* programme is an initiative of the OHP MOH to improve oral health standards in village communities by empowering oral self-care and improving oral health literacy.

A total of 57 new *kampung angkat* (foster villages) have been identified throughout Malaysia. These foster villages include aborigine villages, People's Housing Programme (PPR) and other identified settlements. The Deputy Minister of Health inaugurated the *Kampung Angkat Pergigian* Programme at Richard Pie House, Bekenu, Miri, Sarawak on 18 June 2023.



325
kampung angkat visited

15,471
received
treatment

31.25%
completed
treatment

THE ORAL HEALTH SPECIALTY CLUSTER SERVICE

The Oral Health Specialty Cluster Service has grown since its introduction in 2019, with a total of 21 clusters across 9 states in 2023. It involves two (2) hospital based oral health specialties; Oral and Maxillofacial Surgery (OMFS) and Pediatric Dentistry (PDEN), and two (2) non-hospital based specialties; Restorative Dentistry (RESO) and Periodontics (PER).

The Oral Health Specialty Cluster Service was approved by the Director General of Health on 18 February 2019 to expand the delivery of oral health specialty services.

This service aims to:

- overcome shortage of dental specialists in rural areas
- increase access to specialist dental services in rural areas
- reduce congestion in specialist units
- enhance continuity and success of treatment
- provide training exposure to dental officers interested in pursuing postgraduate studies

OMFS
10
clusters

PDEN
5
clusters

PER
4
clusters

RESO
2
clusters



DOMICILIARY ORAL HEALTH CARE SERVICES (DOHS)

The DOHS, initiated by MOH in 1993, has since evolved into a more dynamic and robust outreach effort. In its infancy, the service catered to senior citizens residing in institutions for the elderly. Now, the DOHS is an exemplary endeavour for addressing the issue of inequitable access.

The DOHS in the OHP MOH:

- Aims to provide appropriate and effective oral health care to individuals who are unable to seek treatment due to certain circumstances, subsequently improving their quality of life.
- Comes under the purview of Special Care Dentistry, whose specialists are tasked with establishing DOHS teams in every state and training the teams.

41
teams
endorsed

Across
10
states

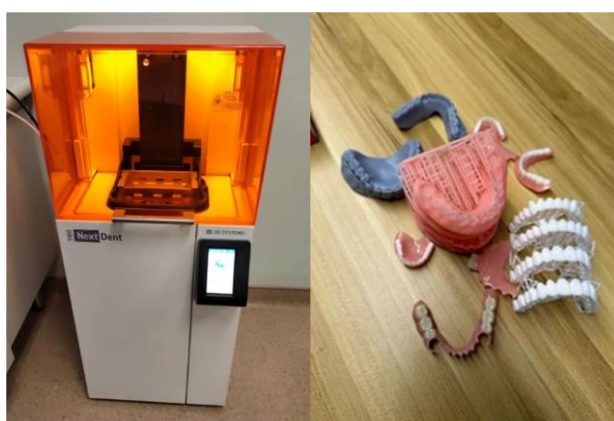
Hundreds
have
benefitted



IMPLEMENTATION OF DENTURE PRODUCTION INITIATIVE UTILIZING 3D PRINTING TECHNOLOGY AT THE PRIMARY DENTAL CLINIC

Aligned with the rapid development of the competitive digital revolution, the use of applications related to emerging technologies or the Fourth Industrial Revolution (Industry 4.0) is often embraced in the delivery of services and healthcare. Recognizing this trend, OHP MOH started exploring the feasibility of producing dentures through the use of 3D printing machines as an alternative method to improve the delivery of oral health services. This is in line with the emergence of technologies and leveraging them to enhance healthcare delivery.

In 2023, the procurement of ten (10) units of 3D printing machines was approved and will be used in the ten (10) identified MOH dental clinics in 2024. The use of this technology promises shorter denture production time and reduction in the number of visits a patient will have to attend. It is expected that a total of 30,000 dentures will be produced each month, resulting in benefits to approximately 360,000 patients a year.



ORAL HEALTH SERVICES TO ATHLETES AT THE NATIONAL SPORTS INSTITUTE

The expansion of oral health services to athletes in Malaysia is one of the indicators outlined in the National Oral Health Strategic Plan 2022-2030. Accordingly, in 2023, the OHP MOH started discussions with the ISN on 19 January 2023 to expand the scope of oral health services for athletes.

Series of discussions were held to materialize this programme. Oral health services which include basic oral health examination and treatment were provided to athletes at National Sports Institute (ISN), Bukit Jalil using the Mobile Dental Clinic, via outreach programme. Athletes who required follow-up treatment were referred to an identified dental clinic.



ENSURING SAFE AND QUALITY ORAL HEALTHCARE: REGULATING THE PROFESSION AND PRACTICE

The Malaysian Dental Council (MDC) was established under the Dental Act 1971 (replaced by Dental Act 2018 [Act 804]), and is a regulatory body dedicated to maintaining high standards in dental practice across Malaysia. MDC focuses on ensuring patient safety, enhancing public confidence in dental services, and regulating the education and practice standards of dental professionals.

In 2023, a total of 900 new dental graduates registered with the MDC, reflecting a significant increase from the previous year. Additionally, 252 dental specialists were registered under the Specialist Division, bringing the total number of registered specialists to 959 as of 31 December 2023. The MDC issued a total of 14,261 Annual Practising Certificates (APCs), marking an approximately 6% increase from 2022. The MDC also completed 26 inquiries at the Council level, emphasizing its role in upholding professional ethics and standards. The MDC approved two new guidelines related to dental record keeping and oro-facial aesthetics and established the Continuing Professional Development (CPD) Committee for Dental Practitioners to assess CPD providers' credibility and develop CPD exemption criteria for practitioners.



900
new dental
surgeons

252
new dental
specialists

14,261
APC's

26
council
inquiry

2
approved
guidelines



03.

RESOURCE MANAGEMENT

- **Financial Resource Management**
- **Human Resource Management**



KEMENTERIAN KESIHATAN MALAYSIA

Administrative Unit

*Hati terpicat si gadis sunti
Pergi ke pekan berbaju kebaya
Unit Pentadbiran bersatu hati
Kerja berpasukan jadikan budaya*



From left to right:

Seated: Shahrin Naim bin Saad N19, Khuzaimah binti Abd Rahman N19, Fatimah binti Ma'amor N29, Jamilah binti Sha'ari N22, Nurul 'Amilin binti Balawi N22 (KUP)

Standing: Nurfatihah Najwa binti Mustaffa N19, Noramirah binti Abd Razak N19, Nurul Atiqah binti Alwee N19, Norashikin binti Nan N22 (KUP), Muhammad Ariff bin Mat Jusoh N19, Aida Maysara binti Ismail N29, Suzlinda binti Husin N11, Marni Ezura binti Mohd Zani N19, Rasenah binti Jamari @ Haji Asmuni N22 (KUP)

Finance Unit

*Unit Kewangan sedia berkhidmat
Bantuan dihulur tak mengira waktu
Sentiasa beringat belanja pun berhemat
Jangan terburu mengikut nafsu*



From left to right:

Seated: Ms. Suzalina binti Mohd Rosly N26, Mr. Mohd Razwin bin Safrudin W19

Standing: Ms. Ina Karina binti Zakaria W32, Ms. Nurul Shahirah binti Shahrudin N19

FINANCIAL RESOURCE MANAGEMENT

BUDGET MANAGEMENT

In 2023, MOH received 31,500,000,000 Malaysian Ringgit (MYR) (8.12 percent) from the total of National Allocation. OHP MOH received a total operational allocation of MYR 1,064,635,300 which represents a 7.51% increase compared to the allocation received in 2022 (**Table 1.1**).

Table 1.1: Adjusted Operational Allocation, 2010-2023

Year	Emolument (MYR)	Services (MYR)	Asset (MYR)	Total (MYR)
2010	365,771,400.00	72,337,947.00	1,649,159.00	439,758,506.00
2011	425,297,450.00	92,502,300.00	3,350,000.00	521,149,750.00
2012	433,309,400.00	92,914,975.00	5,952,027.00	532,176,402.00
2013	517,050,700.00	94,499,420.00	5,678,281.00	617,228,401.00
2014	591,410,587.00	99,517,656.00	40,868,344.00	731,796,587.00
2015	664,549,726.00	105,619,709.00	36,521,728.00	806,691,163.00
2016	764,288,702.00	101,138,772.00	-	865,427,474.00
2017	815,182,671.00	98,947,857.00	-	914,130,528.00
2018	808,421,900.00	101,636,285.00	-	910,058,185.00
2019	843,683,100.00	104,483,376.00	-	948,166,476.00
2020	883,980,900.00	105,993,700.00	-	989,974,600.00
2021	906,813,800.00	71,735,000.00	-	978,188,800.00
2022	910,325,200.00	74,373,900.00	-	984,699,100.00
2023	985,136,900.00	79,498,400.00	-	1,064,635,300.00

Source: Accounts Division, MOH

Overall, in 2023 OHP MOH had overspent i.e., 109.62% of the allocated operational budget, due to additional emoluments for expenditures under the Existing Policy (*Dasar Sedia Ada*) (**Table 1.2**).

Table 1.2: Adjusted Operational Budget Allocation & Expenditure, 2023

Activity	Programme Code	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure
Management of Oral Health	040100	117,511,800.00	122,392,630.00	104.15%
Primary Oral Healthcare	040200	715,261,200.00	788,219,708.00	110.20%
Community Oral Healthcare	040300	59,796,800.00	65,240,934.00	109.10%
Specialist Oral Healthcare	040400	172,065,500.00	191,156,485.00	111.10%
Total	040000	1,064,635,300.00	1,167,009,757.00	109.62%

*Note: 92.53% (MYR 985,136,900.00) of the total adjusted allocation is for emolument expenditures, while only 7.47% (MYR 79,498,400.00) is for services expenditures.

Source: Financial Unit, OHP MOH 2023

FINANCIAL MANAGEMENT

In 2023, OHP received adjusted expenditure allocation of MYR 153,162,068.99:

- Operational Expenditure Allocation (Services) – MYR 79,498,400.00
- Development Expenditure Allocation – MYR 73,663,668.99

Operational Expenditure (Services) was MYR 70,430,675.00 (88.59%) (**Table 1.3**) and Development Expenditure was MYR 73,661,607.09 (100.00 %) (**Table 1.4**).

Table 1.3: Adjusted Operational (Services) Budget Allocation and Expenditure, 2023

Activity	Activity Code	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
Management of Oral Health	040100	32,460,000.00	32,177,073.00	99.13%
Primary Oral Healthcare	040200	26,428,400.00	26,511,323.00	100.31%
Community Oral Healthcare	040300	8,990,000.00	6,976,002.00	77.60%
Specialist Oral Healthcare	040400	11,620,000.00	4,766,277.00	41.02%
Total		79,498,400.00	70,430,675.00	88.59%

Source: Finance Unit, OHP MOH 2023

Table 1.4: Adjusted Development Budget Allocation and Expenditure, 2023

Activity	Activity Code	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
In-service Training	00105	1,370,023.11	1,370,003.61	100.00%
Upgraded Facilities	00600	13,948,970.51	13,948,970.51	100.00%
Upgraded Tools	00600	10,147,387.20	10,147,387.20	100.00%
Medical Equipment Enhancement Tenure (MEET)	01100	41,100,770.67	41,098,732.27	100.00%
Upgraded Medical Equipment & Non-Medical Equipment	01100	2,000,200.00	2,000,200.00	100.00%
Mobile Dental Clinic Equipment	01100	5,096,317.50	5,096,313.50	100.00%
Total		73,663,668.99	73,661,607.09	100.00%

Source: Finance Unit, OHP MOH 2023

At the same time, OHP MOH was allocated a special budget for purchase of dental materials, disposable items and medication for the delivery of services under activity code 080704

(Medical Supplies) and activity code 990104 (Approved Product Purchase List- APPL). The adjusted budget allocation and expenditure for this in 2023 is shown in **Table 1.5**.

**Table 1.5: Adjusted Medical Supplies and Approved Product Purchase List (APPL)
Budget Allocation and Expenditure, 2023**

Activity	Activity Code	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
Medical Supplies	080704	70,819,303.68	70,910,204.48	100.13%
Approved Product Purchase List (APPL)	990104	8,074,207.36	8,074,207.36	100.00%

Source: Finance Unit, OHP MOH 2023

MONITORING STATE FINANCES

OHP MOH also monitored states' allocations and expenditures. In 2023, under *Dasar Sedia Ada*, Selangor received the highest allocation, followed by Sarawak and Sabah. The adjusted budget allocation and expenditure for 2023 are shown below in **Table 1.6**.

Table 1.6: Adjusted Budget Allocation and Expenditure under Existing Policies, 2023

State/Institutions	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
Perlis	22,764,093.88	22,764,093.88	100.00%
Kedah	77,725,077.19	77,725,077.19	100.00%
Pulau Pinang	65,176,015.12	65,176,015.12	100.00%
Perak	100,213,223.76	100,213,223.76	100.00%
Selangor	117,388,187.62	117,388,187.62	100.00%
Negeri Sembilan	66,064,142.73	66,064,142.73	100.00%
Melaka	52,465,869.70	52,465,869.70	100.00%
Johor	97,737,319.16	97,737,319.16	100.00%
Pahang	87,727,348.16	87,727,348.16	100.00%
Terengganu	79,225,477.55	79,225,477.55	100.00%
Kelantan	89,436,391.17	89,436,391.17	100.00%
Sabah	102,979,436.56	102,979,436.56	100.00%
Sarawak	114,336,268.33	114,336,268.33	100.00%
Federal Territory (FT) Kuala Lumpur (KL) & Putrajaya	65,059,504.42	65,059,504.42	100.00%
FT Labuan	5,616,164.59	5,616,164.59	100.00%
OHP MOH	15,011,376.36	15,011,376.36	100.00%

State/Institutions	Adjusted Allocation (MYR)	Final Expenditure (MYR)	% Final Expenditure to Initial Allocation
Children's Dental Center & MOH Training Institute (Dental) Georgetown (PPKK & ILKKM)	144,709.57	144,709.57	100.00%
Kuala Lumpur Hospital (HKL)	7,906,658.39	7,906,658.39	100.00%
Institute for Medical Research (IMR)	21,394.30	21,394.30	100.00%
National Cancer Institute (IKN)	11,098.54	11,098.54	100.00%
Total	1,167,009,757.17	1,167,009,757.17	100.00%

Source: Finance Unit, OHP MOH 2023

ORAL HEALTH PROFESSIONAL AND AUXILIARY PRACTICE SECTION

*Cawangan Amalan memohon perjawatan
Pergigian profesional sentiasa dijaga
Lima penjawat bekerja seharian
Bersama menjaga amanah negara*



From left to right:

Ms. Normala binti Omar U40, Dr. Mazura binti Mahat UG54,
Dr. Siti Zuriana binti Mohd Zamzuri UG56, Mr. Rosli bin Abd. Hamid U40

HUMAN RESOURCE MANAGEMENT

A successful health system depends on the provision of effective, efficient, accessible, sustainable and high-quality services by a workforce that is sufficient in number, appropriately trained and equitably distributed. As of December 2023, there were 18,318 posts for all categories of staff under Programme 4: Oral Health; an increase of 2.4 % as compared to 2022.

DENTAL OFFICER

An additional 250 permanent posts for the dental officer scheme in 2023 was granted by the Government on 8 September 2023. This will be followed by an additional 1,500 posts for the medical officer, dental officer and pharmacy Officer scheme from 2023 to 2025.

Table 2.1 below shows the status of dental officer posts from 2017 to 2023.

Table 2.1: Status of Dental Officer Posts, 2017 to 2023

Year	Posts	Filled	
		No.	%
2017	3,839	3,418	89.0
2018	3,839	3,095	80.6
2019	3,847	3,051	79.3
2020	3,866	3,499	90.5
2021	3,863	3,511	90.9
2022	4,305	3,842	89.2
2023	4,556	4,169	91.5

Source: OHP MOH

As of December 2023, the percentage of filled posts was lower in East Malaysia as compared to Peninsular Malaysia, with Sarawak having the least number of posts filled (**Table 2.2**).

Table 2.2: Status of Dental Officer Posts at State and Institutions, 2023

State and Institutions	Posts	Filled	
		No.	%
4.0 Activity - Oral Health Programme			
Perlis	90	76	84.4
Kedah	292	272	93.2
Pulau Pinang	228	208	91.2
Perak	361	335	92.8
Selangor	461	438	95.0
FT KL & Putrajaya	239	219	91.6
Negeri Sembilan	263	246	93.5
Melaka	211	200	94.8
Johor	455	433	95.2
Pahang	395	369	93.4
Terengganu	335	315	94.0
Kelantan	340	321	94.4

State and Institutions	Posts	Filled	
		No.	%
Total Peninsular Malaysia	3,670	3,432	93.5
Sabah	331	291	87.9
Sarawak	398	302	75.9
FT Labuan	26	21	90.8
Total East Malaysia	755	614	81.3
HKL	38	31	81.6
IKN	4	3	75.0
Tunku Azizah Hospital (HTA)	13	10	76.9
OHP MOH	34	33	97.1
Total Institutions	89	77	86.5
Malaysia	4,514	4,123	91.3
Other Programme Activity - 1.0 Pengurusan and 6.0 National Institute of Health (NIH)			
Planning Division	-	3*	0.0
Medical Practice Division	-	1*	0.0
PPKK & ILKKM	38	37	97.4
IMR	4	3	75.0
NIH/ Institute for Health Systems Research (IHSR)	-	2*	0.0

Note: * Appointed on Open Post

Source: OHP MOH

Since 2022, the appointment exercise of new contract dental officers in MOH increased from three (3) to four (4) times a year (**Table 2.3**).

Table 2.3: New Dental Officers Appointed on Contract Basis in MOH

Cohort	Year						
	2017	2018	2019	2020	2021	2022	2023
First cohort	526	708	566	503	516	384	257
Second cohort	441	286	390	260	539	347	339
Third cohort	362	130	217	101	48	118	178
Fourth cohort	-	-	-	-	-	146	112
Total	1,329	1,124	1,173	864	1,103	995	886

Source: OHP MOH

The distribution of contract dental officers is as shown in **Table 2.4**.

Table 2.4: Distribution of Contract Dental Officers, 2017 to 2023

State	Year							Total
	2017	2018	2019	2020	2021	2022	2023	
Perlis	33	36	26	9	26	25	15	170
Kedah	99	71	81	55	79	73	62	520
Pulau Pinang	93	82	46	51	68	48	51	439
Perak	112	69	112	74	76	98	60	601

State	Year							Total
	2017	2018	2019	2020	2021	2022	2023	
Selangor	168	132	129	138	101	92	110	870
FT KL & Putrajaya	82	65	72	44	42	106	65	476
Negeri Sembilan	63	77	80	63	103	65	66	517
Melaka	83	62	60	44	69	66	59	443
Johor	185	127	124	90	131	106	93	856
Pahang	74	92	97	69	74	83	87	576
Terengganu	92	107	88	75	93	41	56	552
Kelantan	83	87	107	49	98	53	52	529
Total Peninsular Malaysia	1,167	1,007	1,022	761	960	856	776	6,549
Sabah	60	56	93	50	68	76	53	456
Sarawak	92	54	44	52	68	54	49	413
FT Labuan	10	7	14	1	7	9	8	56
Total East Malaysia	162	117	151	103	143	139	110	925
Malaysia	1,329	1,124	1,173	864	1,103	995	886	7,474

Source: OHP MOH

With the additional 250 new permanent posts in 2023, a total of 543 permanent placement was offered to contract dental officers from the 2017 to 2020 cohorts that are still in the service. Out of 561 candidates who underwent the interview as part of the selection process, 491 (87.5%) were offered permanent placement. However, only 458 (93.3%) accepted the offer. Those who declined the offer received an extension of contract for two (2) years.

A total of 1,827 dental officers of the first 12 cohorts accepted permanent placement into the MOH service after their two-year contract period ended (**Table 2.5**).

Table 2.5: Contract Dental Officers (DO) Appointed on Permanent Basis in MOH

Cohort	Contract Commencement	DO Appointed on Contract	DO Eligible for Permanent Appointment	DO in Permanent Appointment	
				No.	%
2017					
First	9 January 2017	526	377	195	51.7
Second	22 May 2017	441	300	170	56.7
Third	13 November 2017	362	261	168	64.4
2018					
First	26 February 2018	708	537	285	53.1
Second	16 July 2018	286	222	134	60.4
Third	15 October 2018	130	116	74	63.8
2019					
First	11 March 2019	566	401	166	41.4
Second	1 July 2019	390	299	160	53.5
Third	14 October 2019	217	155	105	67.7

Cohort	Contract Commencement	DO Appointed on Contract	DO Eligible for Permanent Appointment	DO in Permanent Appointment	
				No.	%
2020					
First	2 March 2020	503	342	207	60.5
Second	17 August 2020	260	159	113	71.1
Third	7 October 2020	102	74	50	67.6
Total		4,491	3,243	1,827	56.3

Source: OHP MOH

ATTRITION OF DENTAL OFFICERS

In 2023, a total of 1,344 dental officers were recruited into MOH on permanent and contract basis while 580 left the service due to various reasons, hence a total net gain of 764 officers (Table 2.6).

Table 2.6: Nett Gain/Loss of Dental Officers in MOH, 2017 to 2023

Reasons	Year						
	2017	2018	2019	2020	2021	2022	2023
New Intake	1,329	1,124	1,334	1,414	1,274	1,401	1,344
Attrition							
Retired (Compulsory)	16	13	18	24	5	3	25
Retired (Optional)	14	12	5	5	2	1	16
Resigned	237	414	487	347	475	705	518
Released with Permission	0	0	0	0	0	0	0
Other Reasons	0	4	2	2	69	21	21
Total	267	443	512	378	551	730	580
Net Gain/Loss	1,062	681	822	1,036	723	671	764

Source: OHP MOH

DENTAL SPECIALIST

The number of clinical dental specialists increased from 462 (2022) to 487 (2023). The distribution of dental specialists is shown in Table 2.7.

Table 2.7: Number of Dental Specialists in MOH, 2017 to 2023

Year	Hospital-Based					Non-Hospital-Based				Total
	Oral & Maxillo-facial Surgery	Paediatric Dentistry	Oral Pathology & Oral Medicine	Special Needs Dentistry	Forensic Odontology	Orthodontic	Periodontics	Restorative Dentistry	Dental Public Health	
2017	75	38	15	4	1	64	36	28	90	351
2018	77	45	14	5	1	69	42	31	85	369

Year	Hospital-Based					Non-Hospital-Based				Total
	Oral & Maxillo-facial Surgery	Paediatric Dentistry	Oral Pathology & Oral Medicine	Special Needs Dentistry	Forensic Odontology	Orthodontic	Periodontics	Restorative Dentistry	Dental Public Health	
2019	81	46	15	6	2	70	44	37	80	381
2020	84	49	15	7	3	80	50	40	71	399
2021	90	54	17	7	3	81	58	46	71	427
2022	99	59	19	7	4	88	67	47	72	462
2023	109	60	19	8	6	89	78	50	68	487

Note: Excluding dental specialists undergoing gazettement

Source: OHP MOH

The number of clinical dental specialist posts is inadequate to accommodate the increasing number of clinical specialists in the service (**Table 2.8**).

Table 2.8: Status of Dental Specialist Posts, 2017 to 2023

Year	Clinical Dental Specialist			Dental Public Health Specialist		
	Posts	Filled		Posts	Filled	
		No.	%		No.	%
2017	244	261	106.9	94	90	95.7
2018	244	284	116.4	94	85	90.4
2019	244	301	123.4	94	80	85.1
2020	361	328	90.9	97	71	73.2
2021	329	404	122.8	96	77	80.2
2022	339	432	127.4	96	76	79.2
2023	342	455	133.0	96	70	72.9

Source: OHP MOH

Table 2.9 below shows the distribution of dental specialist posts by state and institutions.

Table 2.9: Dental Specialist Posts at State and Institutions, 2023

State and Institutions	Clinical Dental Specialist			DPH* Specialist		
	Posts	Filled		Posts	Filled	
		No.	%		No.	%
4.0 Activity - Oral Health Programme						
Perlis	6	8	133.3	2	1	50.0
Kedah	20	29	145.0	4	3	75.0
Pulau Pinang	21	26	123.8	4	4	100.0
Perak	25	39	156.0	6	4	66.7
Selangor	56	59	105.4	9	5	55.6
FT KL & Putrajaya	26	28	107.7	5	2	40.0
Negeri Sembilan	20	25	125.0	4	3	75.0
Melaka	15	19	126.7	4	4	100.0

State and Institutions	Clinical Dental Specialist			DPH* Specialist		
	Posts	Filled		Posts	Filled	
		No.	%		No.	%
Johor	37	43	116.2	7	3	42.9
Pahang	20	33	165.0	4	3	75.0
Terengganu	16	19	118.8	3	3	100.0
Kelantan	21	29	138.1	6	3	50.0
Total Peninsular Malaysia	283	357	126.1	58	38	65.5
Sabah	23	39	169.6	5	4	80.0
Sarawak	18	35	194.4	3	3	100.0
FT Labuan	0	1	0.0	0	1	0.0
Total East Malaysia	41	75	182.9	8	8	100.0
HKL	8	12	150.0	-	-	-
IKN	2	1	50.0	-	-	-
HTA	4	4	100.0	-	-	-
OHP MOH	-	-	-	28	23	82.1
Total Hospital & Institution	14	18	128.6	28	23	82.1
Malaysia	338	450	133.1	94	69	73.4
Other Programme Activity- 1.0 Pengurusan and 6.0 NIH						
PPKK & ILKKM	1	1	100.0	2	1	50.0
IMR	3	4	133.3	-	-	-

Note: DPH*: Dental Public Health

Source: OHP MOH

ATTRITION OF DENTAL SPECIALIST

A total of 41 dental officers were gazetted as specialists in 2023 whilst 25 specialists left the service due to various reasons; hence a net gain of 16 specialists. Net gain and losses of dental specialists from 2017 to 2023 is shown in **Table 2.10**.

Table 2.10: Gazettement and Attrition of Dental Specialist, 2017 to 2023

Gazetted/ Attrition	2017	2018	2019	2020	2021	2022	2023
Gazetted as Specialist	51	43	30	32	37	49	41
Attrition							
● Retired (Compulsory)	12	10	15	19	6	8	10
● Retired (Optional)	6	4	1	2	1	7	6
● Resigned/ Released with Permission	1	10	11	1	3	6	8
● Other Reasons	0	2	1	2	1	0	0
Total	19	26	28	24	11	21	25
Net Gain/Loss	32	17	2	8	26	28	16

Source: OHP MOH

DENTAL AUXILIARIES AND SUPPORT STAFF

In 2023, more than 90% of permanent posts for dental auxiliaries and support staff were filled (**Table 2.11**).

Table 2.11: Status of Dental Auxiliaries Posts, 2023

Category	Posts	Filled	
		No.	%
Dental Therapist (JP)	3,044	2,869	94.3
Dental Technologist (JT)	1,042	981	94.1
Dental Surgery Assistant (DSA)	4,519	4,339	96.0
Total	8,605	8,189	95.2
Support Staff	3,508	3,171	90.4
Total	12,113	11,360	93.8

Source: OHP MOH

In 2023, 96.5% of permanent posts in Sabah, Sarawak and FT Labuan were filled, which is similar to Peninsular Malaysia (96.0%). Distribution of posts and auxiliaries is shown in **Table 2.12**.

Table 2.12: Status of Dental Auxiliaries Posts at State and Institutions, 2023

State and Institutions	Dental Therapist (JP)			Dental Technologist (JT)			Dental Surgery Assistant (DSA)		
	Posts	Filled		Posts No.	Filled		Posts	Filled	
		No.	%		No.	%		No.	%
4.0 Activity - Oral Health Programme									
Perlis	62	59	95.2	23	23	100.0	97	94	96.9
Kedah	185	175	94.6	73	67	91.8	262	250	95.4
Pulau Pinang	191	181	94.8	47	44	93.6	282	267	94.7
Perak	253	241	95.3	87	81	93.1	376	366	97.3
Selangor	264	249	94.3	109	102	93.6	473	452	95.6
FT KL & Putrajaya	146	135	92.5	51	49	96.1	265	250	94.3
Negeri Sembilan	142	132	93.0	60	57	95.0	238	227	95.4
Melaka	118	110	93.2	41	39	95.1	215	208	96.7
Johor	212	196	92.5	89	81	91.0	421	398	94.5
Pahang	212	201	94.8	68	64	94.1	354	340	96.0
Terengganu	162	152	93.8	80	75	93.8	319	310	97.2
Kelantan	207	197	95.2	93	88	94.6	294	291	99.0
Total Peninsular Malaysia	2,154	2,028	94.2	821	770	93.8	3,596	3,453	96.0
Sabah	382	366	95.8	104	104	100.0	364	357	98.1
Sarawak	440	413	93.9	132	122	92.4	457	435	95.2
FT Labuan	15	14	93.3	3	3	100.0	16	16	100
Total East Malaysia	837	793	94.7	239	229	95.8	837	808	96.5
HKL	5	5	100	6	6	100.0	39	36	92.3
IKN	-	-	-	-	-	-	2	2	100
HTA	6	5	83.3	3	3	100.0	19	18	94.7
OHP MOH	16	15	94.1	3	3	100.0	-	-	

State and Institutions	Dental Therapist (JP)			Dental Technologist (JT)			Dental Surgery Assistant (DSA)		
	Posts	Filled		Posts	Filled		Posts	Filled	
		No.	%		No.	%		No.	%
Total Institutions	28	26	92.9	12	12	100.0	60	56	93.3
Malaysia	3,018	2,846	94.3	1,072	1,011	94.3	4,493	4,317	96.1
Other Programme Activity- 1.0 Pengurusan and 6.0 NIH									
Planning Division	1	1	100	-	-	-	-	-	-
PPKK & ILKKM	25	22	88.0	8	5	62.5	23	20	87.0
IMR	-	-	-	-	-	-	3	2	66.7

Source: OHP MOH

Starting March 2019, all dental auxiliary trainees graduated from Ministry of Health Training Institute (Dental) (ILKKM), Penang, were recruited on contract basis for a period of (2 + 2) years. A total of 75 Dental Surgery Assistants (DSA) and 26 Dental Technologists (JT) have been appointed on contract basis in 2023. Distribution of contract DSA and JT is shown in **Tables 2.13, 2.14** and **2.15**. Distribution of contract JT and DSA by cohort from 2019 to 2023 is as shown in **Table 2.13**.

Table 2.13: Contract Dental Auxiliaries in MOH, 2019 to 2023

Cohort	Dental Technologist					Dental Surgery Assistant				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
First cohort	29	42	-	42	26	124	138	103	98	75
Second cohort	-	15	-	41	-	123	133	92	92	-
Third cohort	-	-	-	-	-	-	-	-	78	-
Total	29	57	-	83	26	247	271	195	268	75

Source: OHP MOH

Distribution of contract DSA by state from 2019 to 2023 is as shown in **Table 2.14**.

Table 2.14: Distribution of Contract Dental Surgery Assistants, 2019 to 2023

State/ Institution	Year					Total
	2019	2020	2021	2022	2023	
Perlis	4	1	1	8	1	15
Kedah	11	9	18	16	8	62
Pulau Pinang	4	5	7	6	1	23
Perak	11	7	2	10	6	36
Selangor	42	41	44	39	13	179
FT KL & Putrajaya	9	18	10	8	6	51
Negeri Sembilan	27	30	20	24	14	115
Melaka	20	20	5	5	5	55
Johor	46	55	40	54	4	199
Pahang	6	14	21	16	8	65
Terengganu	10	34	2	15	3	64

State/ Institution	Year					Total
	2019	2020	2021	2022	2023	
Kelantan	30	32	19	53	5	139
Total Peninsular Malaysia	220	266	189	254	74	1,003
Sabah	6	0	0	3	0	9
Sarawak	13	0	1	2	0	16
FT Labuan	2	3	2	3	1	11
Total East Malaysia	21	3	3	8	1	36
HKL	5	0	1	2	0	8
IKN	0	0	1	2	0	3
HTA	0	0	0	0	0	0
PPKK & ILKKM	1	2	1	2	0	6
Total Institutions	6	2	3	6	0	17
Malaysia	247	271	195	268	75	1,056

Source: OHP MOH

Distribution of contract JT by state and institutions from 2019 to 2023 is shown in **Table 2.15**.

Table 2.15: Distribution of Contract Dental Technologists, 2019 to 2023

State and Institutions	Year					Total
	2019	2020	2021	2022	2023	
Perlis	0	1	0	1	0	2
Kedah	2	4	0	7	3	16
Pulau Pinang	2	3	0	4	2	11
Perak	4	7	0	7	2	20
Selangor	6	11	0	9	3	29
FT KL & Putrajaya	2	5	0	6	2	15
Negeri Sembilan	2	6	0	4	2	14
Melaka	1	5	0	4	1	11
Johor	3	5	0	6	2	16
Pahang	2	4	0	9	2	17
Terengganu	3	2	0	5	2	12
Kelantan	0	1	0	6	2	9
Total Peninsular Malaysia	27	54	0	68	23	172
Sabah	1	1	0	8	2	12
Sarawak	1	2	0	6	1	10
FT Labuan	0	0	0	0	0	0
Total East Malaysia	2	3	0	14	3	22
HKL	0	0	0	1	0	1
IKN	0	0	0	0	0	0
HTA	0	0	0	0	0	0
PPKK & ILKKM	0	0	0	0	0	0
Total Institutions	0	0	0	1	0	1
Malaysia	29	57	0	83	26	195

Source: OHP MOH

Subsequently, all contract JT and DSA were successfully appointed on permanent basis after their two-year contract ended (**Table 2.16**).

Table 2.16: Contract Dental Auxiliaries appointed on Permanent Basis in MOH, 2023

Cohort	Dental Technologist			Dental Surgery Assistant		
	Number appointed on contract	Permanent appointment		Number appointed on contract	Permanent appointment	
		No.	%		No.	%
2019						
First	29	29	100	124	124	100
Second	-	-	-	123	121	98.37
2020						
First	42	42	100	138	136	98.55
Second	15	15	100	133	126	94.74
2021						
First	-	-	-	103	98	95.15
Second	-	-	-	92	0	0.0
2022						
First	42	0	0.0	98	0	0.0
Second	41	0	0.0	92	0	0.0
Third	-	-	-	78	0	0.0
2023						
First	26	0	0.0	75	0	0.0
Total	195	86	44.10	1,056	605	57.29

Source: OHP MOH



04.

ACTIVITIES AND ACHIEVEMENTS : ORAL HEALTH POLICY AND STRATEGIC PLANNING DIVISION

- **Oral Health Epidemiology and Research**
- **Oral Health Professional Development**
- **Oral Health Facility Development**
- **Oral Health Technology**
- **Oral Health Information Management**



KEMENTERIAN KESIHATAN MALAYSIA

ORAL HEALTH EPIDEMIOLOGY AND RESEARCH SECTION

*Di tepi kolam mencacak joran
Umpan mengena sabar menanti
Kemudi kajian demi kebenaran
Mendorong amalan berasaskan bukti*



From left to right:

Seated: Dr. Siti Kamilah binti Mohamad Kasim UG54, Dr. Nurulasmak binti Mohamed UG56, Dr. Aira Syazleen binti Ahmad UG54, Dr. Nur Syuhada binti Abu Bakar UG52

Standing: Ms. Norpazila Wati binti Minhad U32, Mr. Syaril Syahrizal bin Mohamad U14,

ORAL HEALTH EPIDEMIOLOGY AND RESEARCH

The management of the oral health research agenda and the conduct of oral health research activities consistently provide evidence for the current oral health policies and decision-making processes. The results of research projects conducted by MOH personnel have been disseminated through a diverse array of platforms. In 2023, the MOH collaborated with other agencies within and outside the MOH either at national or state level.

NATIONAL HEALTH AND MORBIDITY SURVEY 2020: NATIONAL ORAL HEALTH SURVEY OF ADULTS 2020 (NHMS 2020: NOHSA 2020)

This fourth National Oral Health Survey of Adults was successfully conducted in 2022, following a two-year delay due to the COVID-19 pandemic. The purpose of this survey is to ascertain the oral health status and treatment requirements of Malaysian adults aged 15 years and older, as well as to describe the sociodental factors that are associated with their oral health.

A few series of workshops were conducted involving the National Core Analysis Team; a group of young, enthusiastic dental public health specialists, who are responsible for the complex sampling analysis, full report write-up as well as preparation of infographics and fact sheets of the survey findings. The list of workshops conducted are as shown **Table 3.1** below.

Table 3.1: NHMS 2020: NOHSA 2020 Workshops Conducted in 2023

No.	Workshop	Date	Place
1	<i>Bengkel Analisa Data Menggunakan Complex Sampling Bagi Kaji Selidik NHMS 2020: NOHSA 2020</i>	20-23 February 2023	OHP MOH
2	<i>Bengkel Penulisan Laporan Penuh Kajian NHMS 2020: NOHSA 2020</i>	13-17 March 2023	ibis Styles Kota Bharu, Kelantan
3	<i>Bengkel Pemurnian Laporan dan Penghasilan Infografik & Lembaran Fakta NHMS 2020: NOHSA 2020</i>	11-14 July 2023	Travelodge Ipoh, Perak

Source: OHP MOH

The results of the study have been disseminated through a series of presentations and workshops to the higher management of OHP MOH, dental officers, dental specialists and National Technical Advisory Committee.

The NHMS 2020: NOHSA 2020 Seminar was held at the Dewan Serbaguna, Block E7 on 11 September 2023. The objective of this seminar was to disseminate the results of the survey that involved a total of 16,734 respondents aged 15 years and older, from 6,895 households across the country. The seminar was attended by representatives from all dental fraternities in Malaysia, including the OHP MOH, the Malaysian Armed Forces Dental Health Division, public and private higher education institutions, and non-governmental organisations (NGOs). The National Core Analysis Team delivered a total of 10 presentations. The Principal Director (Oral Health) presided over the closing ceremony.



Image 3.1: NHMS 2020: NOHSA 2020 Seminar 2023

The results of this survey will be used to assess the efficacy and impact of oral health initiatives and programmes that have been implemented nationwide. The survey was conducted successfully due to the strong collaboration and support from oral health personnel and other organisations at the state level, including the Institute for Public Health (IPH) and the Department of Statistics Malaysia (DOSM).

MONITORING AND EVALUATION OF ORAL HEALTH RESEARCH AT STATE LEVEL

The Oral Health System Research Unit continuously monitored the oral Health System Research (HSR) projects conducted at the state level. The HSR state coordinators biannual meetings were held on 8 February and 24 August 2023, where the achievements from HSR projects by the states were presented.

In 2023, a total of 187 projects were conducted throughout Malaysia. Of those, 53 projects were completed, with 48 presented and 16 published (**Table 3.2**).

Table 3.2 Status of HSR Projects by State/ Institution in 2023

State/ Institution	*No. of Active Projects	Completed Projects	No. of Projects Presented	No. of Projects Published
Perlis	10	-	-	-
Kedah	11	2	2	-
Pulau Pinang	11	5	5	2
Perak	12	-	3	3
Selangor	16	-	6	-
FT KL & Putrajaya	18	2	3	1
Negeri Sembilan	9	4	5	-
Melaka	7	1	1	-
Johor	7	1	-	-
Pahang	12	3	1	-
Terengganu	14	10	8	1
Kelantan	11	7	7	4
Sabah	22	6	-	-
Sarawak	19	10	6	3
FT Labuan	-	-	-	-

State/ Institution	*No. of Active Projects	Completed Projects	No. of Projects Presented	No. of Projects Published
HKL	3	-	-	-
HTA	3	-	-	-
PPKK & ILKKM	2	2	1	2
OHP MOH	-	-	-	-
Total	187	53	48	16

Notes: * No. of Active Research Projects: refer to new/on-going/completed in current year

Target: State ≥ 5 , PPKK & ILKKM, Dental Peads HTA ≥ 1

Source: OHP MOH

Completed HSR research projects were shared either by presentations or published articles. **Table 3.3** shows the total presentations or publications by state or institution in the year 2023.

Table 3.3: Presentations or Publications by State/Institution in 2023

State/ Institution	No. of Presentation	No. of Publication
	State & OMFS HKL ≥ 3 PPKK & ILKKM, Dental Peads HTA ≥ 1	Target = 1
Perlis	2	-
Kedah	11	1
P. Pinang	6	2
Perak	24	9
Selangor	36	4
FT KL & Putrajaya	11	2
Negeri Sembilan	20	9
Melaka	6	8
Johor	11	2
Pahang	18	-
Terengganu	8	1
Kelantan	8	5
Sabah	13	-
Sarawak	11	3
FT Labuan	1	-
HKL	13	1
HTA	4	-
PPKK & ILKKM	1	2
OHP MOH	7	1
Total	211	50

Note: Target: State and OMFS HKL ≥ 3 , PPKK & ILKKM and Dental Peads HTA ≥ 1

Source: OHP MOH

ORAL HEALTH RESEARCH CONDUCTED IN MOH DENTAL FACILITIES BY NON-MOH AGENCIES/ MOH POSTGRADUATE STUDENTS

A total of 19 research proposal applications from MOH postgraduate students were reviewed in 2023 (**Table 3.4**). Meanwhile, a Research Agreement (RA) between OHP MOH and Cancer Research Malaysia (non-MOH agency) was established and signed on 4 December 2023 for

research entitled *Feasibility of the Implementation of MeMoSA® App for Oral Cancer Screening in Sarawak*.

Table 3.4: Oral Health Research by MOH Postgraduates in 2023

No.	Title	Researcher / Agency
1	Geo-mapping of Inequalities in the Burden of Oral Cancer and Accessibility to Treatment Facilities among Adult Patients in Selangor, Malaysia	Dr. Nuraida binti Daud/ University of Malaya (UM)
2	Feasibility of an Oral Health Promotion Model for Urban Poor Population - The Kampung Angkat Pergigian Programme	Dr. Afidatulmasrie binti Ahmad/ UM
3	Cross-Cultural Adaptation of a Betel Quid Cessation Program and Evaluation of Its Effectiveness in A Malaysian High-Risk Community	Dr. Mary Melissa a/p Sarimuthu/ UM
4	Parental Acceptance of Silver Diamine Fluoride Treatment for Early Childhood Caries and Its Associated Factors	Dr. Simran Kaur Olikh a/p Inderjeet Singh/ UM
5	Development and Validation of Questionnaire on Infection Control Knowledge, Attitude and Practice among Dental Assistant	Dr. Yusra binti Zahir/ Universiti Sains Malaysia (USM)
6	Dental Technologists' Job Satisfaction, Job Motivation and Turnover Intention and the Estimation of Their Future Workforce Requirements in Malaysia	Dr. Faris bin Muhammad Noor/ UM
7	The Impact of Strengthening the Anticipatory Guidance Used in the Ministry of Health Malaysia Infant Oral Health Care Programme: A Cluster Randomised Control Trials	Dr. Munalizaini binti Mukhtar/ USM
8	Oral Health Literacy and Family Functioning Among Children in Malaysia	Dr. Nurul Salwa binti Che Abdul Rahim/ UM
9	The Effectiveness of MySmile App as an Alternative Approach to Conventional Oral Health Education for Secondary School Children in Selangor: A Randomised Control Trial	Dr. Muhamad Hamidie bin Saari/ UM
10	Forecasting Public Oral Healthcare Demand in Malaysia Through the Next Decade Until 2034	Dr. Tan Yeung R'ong/ UM
11	Development and Content Validation of Comprehensive Oral Care for Paediatric Cancer Patient Knowledge Assessment Tools (COCPKP) for Usage Among Healthcare Providers	Dr. Nurnabiha binti Mohd Jabid/ Universiti Teknologi MARA (UiTM)
12	Metaverse in Dentistry: Development and Evaluation of Meta-OHE for Oral Health Promotion and Education	Dr. Amirul Faiz bin Luai/ UiTM
13	The Effectiveness of Educational Module (ICON-DENTA) in Improving Knowledge, Attitude and Practice Towards Infection Control Among Dental Assistants in Private Dental Clinics in Selangor	Dr. Nurul Asniza binti Abas/ USM
15	Development and Validation of Malay Version Nutrition Literacy Scale (NLS-M) and Nutrition Literacy (Numeracy) Instrument (Nutri-N) for Malaysian Adults	Dr. Tiong Ing Teck/ USM

No.	Title	Researcher / Agency
16	Development of A Module on Toothbrushing Program (Modul J-GIGI) Targeting KEMAS Preschool Teachers Using Design and Development Research (DDR) and Fuzzy Delphi Method (FDM)	Dr. Nizamuddin bin Pardan/ USM
17	Exploring and Develop and Validate Instrument for Assessing Factors That Influence Utilisation of Dental Service Among Antenatal Mothers	Dr. Suhaila binti Mat Said/ USM
18	Effectiveness of Oral Health Educational Module in Improving Oral Health Knowledge, Attitude Towards Oral Health Care and Oral Health Advice Practice Among the Ministry of Health Pharmacists in Kelantan: A Cluster Randomised Trial	Dr. Sapiah binti Derahman/ USM
19	Validation and Reliability Testing on Index for Interceptive Orthodontics Referral (IIOR) Among Dental Frontliners in Selangor, FT Kuala Lumpur and Putrajaya	Dr. Nisreen binti Nordin/ UiTM
20	Understanding the Use of Social Media for Oral Health Promotion	Dr. ZariKh Hafizah Saqina/ UM

Source: OHP MOH

COMPENDIUM OF ABSTRACTS, NATIONAL ORAL HEALTH RESEARCH PRIORITIES (NOHRP) IN MALAYSIA 2020-2022

The Executive Committee of National Oral Health Research Initiatives (NOHRI) during the NOHRI Executive Committee Meeting No.1/2023 agreed to produce a compendium of abstracts under the National Oral Health Research Priorities in Malaysia. In contrast to the previous compendium of abstracts, the abstracts collected from the oral health fraternities in Malaysia consisted of the OHP MOH, Malaysian Armed Forces Dental Services, the faculty of dentistry in public and private universities as well as NGOs who actively conduct oral health research such as Cancer Research Malaysia. This compilation of abstracts outlines the following abstract evaluation criteria:

- Studies must be published articles, journals or technical reports relevant to the NOHRP domains.
- Only abstracts from completed research projects are eligible, not case reports or case series.
- Abstracts submitted for oral or poster presentations at domestic or international conferences.
- Abstracts of the research from postgraduate students and dental officers undergoing specialist gazettement.

A total of 435 completed research conducted between 2020 and 2022 were reported in this compendium. The abstracts were classified into eight (8) categories. Seven (7) categories correspond to the domains reported by the NOHRP. An eighth category, "Others," was created for abstracts that do not fit into any of the established domains as shown in the **Table 3.5**. This document showcases the impactful research conducted by oral health personnel in alignment with the national oral health agenda.

**Table 3.5: Number of Abstracts According to the Domains in
National Oral Health Research Priority Areas**

No.	Domain	No. of Abstracts
1.	Oral Health Condition	119
2.	Public Oral Health Intervention and Empowerment	76
3.	Access to Oral Health Care	51
4.	Traditional and Complementary Medicine in Oral Healthcare	17
5.	Information & Communication Technology (ICT) Support System for Oral Healthcare	16
6.	Oral Tissue Engineering (OTE) and Regenerative Dentistry	23
7.	Digital Technologies in Dentistry	39
8.	Others	94
Total		435

Source: OHP MOH

ORAL HEALTH PROFESSIONAL DEVELOPMENT SECTION

*Naiknya padi sudah selesai
Kemah di lata sekap keranji
Cawangan Profesion berbudi berbahasa
Kemah berkata sikap terpuji*



From left to right:

Seated: Dr. Enny Esdayantey binti Abdul Manab UG56,
Dr. Nursyahirah binti Suhada UG48

Standing: Dr. Yusmazatulina binti Yusoff UG54,
Dr. Noor Hasmin binti Mokhtar UG54

ORAL HEALTH PROFESSIONAL DEVELOPMENT

RECOGNITION AND ENDORSEMENT OF DENTAL POSTGRADUATE QUALIFICATIONS

This section is still updating the list of 1 + 3 postgraduate programmes by local universities which is approved by the Malaysian Qualifications Agency (MQA). There were no newly endorsed foreign postgraduate qualifications in dentistry by the Malaysian Dental Council (MDC) for 2023.

GAZETTEMET OF DENTAL SPECIALISTS

For the purpose of dental specialist gazettement, the Dental Specialist Gazettement and Evaluation Committee Meeting [*Mesyuarat Jawatankuasa Penilaian Pewartaan Pakar Pergigian (JPPPP)*] were conducted four (4) times in 2023. Following the meetings, assessment and recommendations were given to the *Jawatankuasa Khas Perubatan (JKP)* for gazettement of Dental Specialists in the MOH.

GAZETTEMET OF DENTAL PUBLIC HEALTH SPECIALISTS

Seven (7) Dental Public Health Specialists were gazetted in 2023 (**Table 4.1**).

Table 4.1: Dental Public Health Specialists Gazetted, 2023

No.	Name	Date Eligible for Specialist Appointment
1.	Dr. Roslina binti Mohd Fadzillah Mah	15 April 2022
2.	Dr. Noorul Nadiah binti Noor Zamry	12 September 2022
3.	Dr. Sharina binti Dolah	12 September 2022
4.	Dr. Siti Sarah binti Ayub	12 September 2022
5.	Dr. 'Ainun Mardhiah binti Meor Amir Hamzah	12 January 2023
6.	Dr. Aira Syazleen binti Ahmad	2 March 2023
7.	Dr. Ameera Syafiqah binti Aly	27 October 2023

Source: OHP MOH

GAZETTEMET OF CLINICAL DENTAL SPECIALISTS

A total of 40 clinical dental specialists from various specialties were gazetted in 2023 (**Table 4.2**).

Table 4.2: Clinical Dental Specialists Gazetted, 2023

No.	Name	Specialty	Date Eligible for Specialist Appointment
1	Dr. Farah Hanan binti Abd Wahid	Oral and Maxillofacial Surgery	7 June 2022
2	Dr. Rina Revathi Sandiran		29 August 2022
3	Dr. Dhanya Darshinee a/p Sivamuni		29 August 2022
4	Dr. Nadhratul Husna binti Mohamad		29 August 2022

No.	Name	Specialty	Date Eligible for Specialist Appointment
5	Dr. Tan Yan-Rui	Oral and Maxillofacial Surgery	29 August 2022
6	Dr. Sarah Sabrina binti Zakaria		29 August 2022
7	Dr. Rosfatihah binti Ab Malek @ Malek		3 September 2022
8	Dr. Aiman bin Mohd Azmi		12 September 2022
9	Dr. Harvinder Singh		12 September 2022
10	Dr. Tay Zhuo Wei		1 October 2022
11	Dr. Sue Wye Luun		1 October 2022
12	Dr. Nor Anis binti Razali		27 October 2022
13	Dr. Mohamad Haziq bin Mohamad Zawawi	Paediatric Dentistry	5 September 2022
14	Dr. Farah Elani binti Mohamad Sani		5 September 2022
15	Dr. Lim Siau Peng		5 September 2022
16	Dr. Tan Wei Xi		17 September 2022
17	Dr. Chan Yen Pei		1 October 2022
18	Dr. Mohd Hakim bin Mohamed Ashri	Special Care Dentistry	10 January 2023
19	Dr. Dharshini Naidu a/p Ragupathy Naidu	Forensic Odontology	17 September 2022
20	Dr. Mohd Hafizal bin Harudin		16 December 2022
21	Dr. Mohd Helmi bin Mahamad Nazir	Orthodontic	6 September 2022
22	Dr. Siti Balqish binti Oon		13 September 2022
23	Dr. Lorretha P. Ringgingon		3 October 2022
24	Dr. Amalina binti Adanan		3 October 2022
25	Dr. Chin Mei H'uah		3 October 2022
26	Dr. Kaminii a/p Thevadass		3 October 2022
27	Dr. Nurulhuda binti Maskim		3 October 2022
28	Dr. Annabel Shanta a/p Edwin Thomas	Periodontic	12 January 2023
29	Dr. Nor Azira binti Zahadi		7 March 2023
30	Dr. Engku Ahmad Muzhaffar bin Engku Zainal Abidin		15 April 2022
31	Dr. Ong Zhi Ling		12 September 2022
32	Dr. Muhammad Hadi bin Mohd Hanifah		19 September 2022
33	Dr. Tan Hooi Shan		19 September 2022
34	Dr. Tan Shiuan Lee		19 September 2022
35	Dr. Lee Sand Ming		15 November 2022
36	Dr. S. Poornima a/p Sawri Rajan	Restorative Dentistry	11 January 2023
37	Dr. Suhainah binti Yashim @ Hashim		7 June 2022
38	Dr. Nur Atiqah binti Omar		3 October 2022
39	Dr. I'udzuri bin Md Jazam		3 October 2022
40	Dr. Noor Aaina Binti Zainon	Prosthodontic	19 September 2022

Source: OHP MOH

POSTGRADUATE TRAINING FOR DENTAL PROFESSIONALS

A total of 329 dental officers were interviewed for *Hadiah Latihan Persekutuan* (HLP). There were 101 successful applicants. Among them, 99 were offered HLP for postgraduate courses/ area of special interest/ Enforcement Law in 2023. Two (2) officers were offered full paid study leave without HLP (*Cuti Belajar Bergaji Penuh – CBBP tanpa HLP*) (**Figure 4.1**).

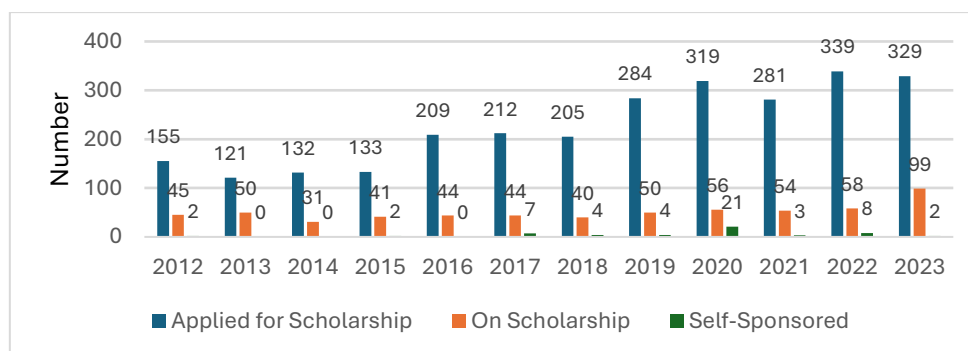


Figure 4.1: Dental Officers Pursuing Postgraduate Training, 2012-2023

Source: OHP MOH

In 2023, 96 officers enrolled into local universities for postgraduate/ area of special interest/ Enforcement Law training, while five (5) officers attended universities abroad (**Table 4.3**).

Table 4.3: Dental Officers Pursuing Postgraduate Training by Discipline, 2023

No.	Discipline	On Federal Scholarship		Self-sponsored/ Other sponsorship		Total
		Local	Abroad	Local	Abroad	
1	Oral and Maxillofacial Surgery	14	0	0	0	14
2	Orthodontic	10	0	0	0	10
3	Periodontic	13	0	0	0	13
4	Paediatric Dentistry	20	0	0	0	20
5	Restorative Dentistry	10	0	0	2	12
6	Oral Pathology and Oral Medicine	4	0	0	0	4
7	Special Care Dentistry	2	0	0	0	2
8	Dental Public Health	18	0	0	0	18
9	Forensic Odontology	0	0	0	0	0
10	Area of Special Interest	3	3	0	0	6
11	Enforcement Law	2	0	0	0	2
Total		96	3	0	2	101

Source: OHP MOH

A total of 52 dental officers completed their postgraduate training in 2023 and commenced the induction/ pre-gazettement period (**Table 4.4**).

Table 4.4: Dental Officers Completed Postgraduate Training by Specialty, 2023

No.	Specialty	Local Universities	Institutions Abroad
1	Oral and Maxillofacial Surgery	12	0
2	Orthodontic	4	1
3	Periodontic	7	0
4	Paediatric Dentistry	10	1
5	Restorative Dentistry	7	0
6	Oral Pathology and Oral Medicine	3	0
7	Special Care Dentistry	1	0
8	Dental Public Health	5	0
9	Forensic Odontology	0	1
Total		49	3

Source: OHP MOH

NEW DENTAL OFFICER PROGRAMME

New Dental Officer Programme (NDOP) is a structured programme designed to provide adequate training for the New Dental Officers (NDOs) and to facilitate adaptation in new working environment. Under this programme, they are required to complete attachments in the primary care dental clinic, the Oral and Maxillofacial department, as well as the Paediatric Dentistry department. In 2023, a total of 886 NDOs from four (4) cohorts were contractually appointed as listed below (**Table 4.5**).

Table 4.5: Dental Officers Contractually Appointed in MOH, 2023

Cohort	Date of Appointment	Number of NDOs
1 / 2023	13 March 2023	257
2 / 2023	12 June 2023	339
3 / 2023	21 August 2023	178
4 / 2023	9 October 2023	112
Total		886

Source: OHP MOH

PROFESSIONAL DEVELOPMENT OF DENTAL AUXILIARIES

CERTIFICATE OF DENTAL SURGERY ASSISTANT, DIPLOMA IN DENTAL NURSING AND DIPLOMA IN DENTAL TECHNOLOGY

Training for dental auxiliaries; dental surgery assistants (DSA), dental therapists and dental technologists, are coordinated by *Bahagian Pengurusan Latihan* (BPL) MOH. These trainings are conducted at the MOH Training Institute in Georgetown, Pulau Pinang. In 2023, student intake for DSA certificate programme was 110, whereas for Diploma of Dental Therapy and Diploma of Dental Technology, the intake was 49 and 41 respectively. A total of 179 DSA candidates passed the final examination in 2023, but there was no output for both dental therapists and dental technologists as there was no intake in 2020 due to the COVID-19 pandemic. (**Table 4.6**).

Table 4.6: Number of Trainee Intake for Certificate of Dental Surgery Assistants, Diploma of Dental Therapy and Diploma of Dental Technology, 2023

Course	Number of Trainee
	July Intake
Certificate of Dental Surgery Assistant	110
Diploma in Dental Therapy	49
Diploma in Dental Technology	41

Source: OHP MOH

POST-BASIC TRAINING

There was no intake for post-basic training in 2023. However, there were ongoing preparations for the upcoming Orthodontic Post-basic Course for Dental Technologists which is scheduled to kickstart in September 2024.

IN-SERVICE TRAINING FOR DENTAL PERSONNEL (*LATIHAN DALAM PERKHIDMATAN*)

LOCAL IN-SERVICE TRAINING

Throughout 2023, there were 85 consultancy trainings, courses and conferences conducted and attended by dental personnel from various occupational schemes (**Table 4.7**).

Table 4.7: Consultancy Trainings and Courses Conducted and Attended in 2023

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
1.	Roadshow <i>Latihan Pengguna Sistem Gi-Ret 2.0</i>	450 Officers	13 February - 13 March 2023	11,728.70	Terengganu, Perak, Melaka & Sarawak
2.	MDA SCATE 2023	18 Officers	17 - 19 February 2023	13,500.00	Kuala Lumpur City Centre
3.	<i>Kursus Pengenalan Asas Akta Pergigian 2018 dan Akta-Akta yang Berkaitan bagi Pegawai yang Diberi Kuasa di Bawah Akta Pergigian 2018 (Siri Ke-3)</i>	30 Officers 7 Auxiliaries	20 - 22 February 2023	10,080.00	Hotel Seri Malaysia, Port Dickson, Negeri Sembilan
4.	Workshop on Supported Housing and Rehabilitation	2 Officers	23 February 2023	50.00	Hospital Permai, Johor Bahru
5.	<i>Bengkel Analisa Data Menggunakan Complex Sampling bagi Kaji Selidik National Health and</i>	13 Officers 1 Auxiliary	20 - 23 February 2023	1,120.00	OHP MOH

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
	Morbidity Survey 2020: National Oral Health Survey of Adults 2020 (NHMS 2020: NOHSA 2020)				
6.	<i>Bengkel Memuktamadkan Instrumen Indeks Literasi Kesihatan Pergigian</i>	12 Officers	24 February 2023	1,800.00	Dorsett Hotel, Putrajaya
7.	<i>Bengkel Latihan Pengukuhan Modul Janji Temu MYVAS dan Aplikasi MySejahtera</i>	> 500 Officers	24 February - 21 March 2023	22,203.00	All states
8.	6 th MPDPA ASEAN DSA Congress and Trade Exhibition 2023	70 Auxiliaries	5 March 2023	17,640.00	Crystal Crown Hotel, Petaling Jaya
9.	<i>Bengkel Penulisan Laporan Penuh Kajian NHMS 2020: NOHSA 2020</i>	13 Officers	13 - 17 March 2023	12,320.00	Hotel Ibis Styles, Kota Bharu
10.	<i>Kursus Ketua Juruaudit MS ISO 9001:2015</i>	1 Officer	13 - 17 March 2023	3,710.00	SIRIM Complex, Shah Alam
11.	<i>Bengkel Kemahiran Advokasi dalam Kecuaian Perubatan</i>	5 Officers	14 - 16 March 2023	250.00	Institut Latihan Kehakiman dan Perundangan (ILKAP)
12.	<i>Sesi Kalibrasi MOH Modified ICDAS (MMI) Peringkat Kebangsaan</i>	> 500 Officers	16 March - 15 June 2023	7,423.11	Putrajaya, Negeri Sembilan, Kedah, & Sarawak
13.	Malaysian Dental Practitioners Conference 2023	20 Officers	7 May 2023	5,250.00	Armada Hotel, Petaling Jaya
14.	<i>Bengkel Pembangunan Laman Web Majlis Pergigian Malaysia, Lembaga Juruterapi Pergigian Malaysia dan Program Kesihatan Pergigian</i>	3 Officers 8 Auxiliaries	8 - 10 May 2023	1,980.00	Makmal Komputer, Bahagian Pengurusan Maklumat, Aras 5, Blok E7, KKM
15.	<i>Bengkel Pembangunan Protokol yang Berkualiti</i>	50 Officers	8 - 10 May 2023	5,655.00	NIH, Setia Alam
16.	3 rd Annual ASEAN Healthcare Transformation Summit 2023	1 Officer	9 - 10 May 2023	1,058.94	The Royale Chulan Hotel, KL

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
17.	<i>Kursus Keselamatan Pesakit dan Pengurusan Maklum Balas Pelanggan atau Awam</i>	3 Officers 8 Auxiliaries	10 -11 May 2023	2,600.00	OHP MOH
18.	<i>Bengkel Pemantapan Fotografi Digital bagi Rekod Klinikal dan Etika Pengambilan Foto Pesakit</i>	37 Officers	15 - 16 May 2023	2,432.00	Pusat Kecemerlangan Kejuruteraan dan Teknologi (CREaTE), Alor Gajah, Melaka
19.	<i>Seminar Pemantapan Perkhidmatan Kepakaran Ortodontik Kementerian Kesihatan Malaysia (KKM) 2023</i>	75 Officers	18 May 2023	2,500.00	Balai Ungku Aziz, Universiti Malaya, KL
20.	MADPHS Scientific Conference	4 Officers	20 May 2023	800.00	Impiana Hotel, Ipoh
21.	<i>Bengkel Latihan Pengguna Modul Outreach Sistem TPC-OHCIS 2023</i>	> 500 Officers	18,25,31 May 2023	1,089.00	Pejabat Kesihatan Pergigian Daerah (PKPD) Kuala Pilah
22.	<i>Bengkel Latihan Penggunaan Mesin Cetak 3D Digital Technology (3DDT) Siri 1</i>	6 Officers	22 - 23 May 2023	11,340.00	Ladent Digital Technologies Setapak, KL
23.	<i>Kursus Asas Fotografi Forensik 2023</i>	23 Officers 1 Auxiliary	22 - 25 May 2023	13,485.00	Hotel Seri Malaysia, Port Dickson
24.	6 th Malaysia International Dental Show (MIDS) 2023	18 Officers 1 Auxiliary	23 - 25 May 2023	12,138.35	Sunway Pyramid
25.	<i>Kursus Anti Rasuah</i>	56 Officers 2 Auxiliaries	22 May 2023	1,700.00	OHP MOH
26.	Special Care Dentistry Scientific Seminar	11 Officers 81 Auxiliaries	24 - 25 May 2023	7,600.00	NIH, Setia Alam
27.	<i>Kursus Pengurusan Kewangan dan Perolehan Kerajaan PKP KKM</i>	32 Auxiliaries	26 - 28 May 2023	19,213.00	Five5 Hotel JB City Centre
28.	Prescriptive Analytics: Validation of Dental Specialist Projection Based on System Dynamics Modelling and Simulation Approach 2023	30 Officers	29 - 31 May 2023	17,031.98	The Straits Hotel & Suites

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
29.	<i>Kursus Pengukuhan Pembangunan Fasiliti Kesihatan Pergigian</i>	38 Officers 9 Auxiliaries	6 - 8 June 2023	22,255.24	Mtree Hotel, Puchong
30.	<i>Kursus Pemantapan Pasukan Bertindak Rampasan Peranti Digital bagi Pegawai Penguatkuasa Pergigian 2023</i>	33 Officers	13 - 14 June 2023	6,481.46	Institut Kepimpinan dan Pembangunan (ILD) UiTM
31.	<i>Bengkel Penghasilan Bahan-Bahan Pendidikan Kesihatan Pergigian Berdasarkan Garis Panduan</i>	34 Officers	13 - 15 June 2023	17,000.00	Geno Hotel, Shah Alam
32.	<i>Kursus ISO</i>	35 Officers 5 Auxiliaries	13 - 14 June 2023	1,600.00	OHP MOH
33.	Advanced Surgical Skill Training in Paediatric Dentistry	29 Officers	21 - 23 June 2023	7,250.00	Hospital Tunku Azizah
34.	<i>Bengkel Penyeragaman Laporan untuk Kes Kanser Mulut (Oral Squamous Cell Carcinoma Resection Reporting Proforma Workshop)</i>	53 Officers	22 - 23 June 2023	2,400.00	Bilik Mesyuarat Kedah, Kompleks Pentadbiran Kerajaan Persekutuan Sabah
35.	<i>Kursus Vital Pulp Therapy Sarawak 2023</i>	38 Officers	22 - 23 June 2023	1,985.40	Institut Perguruan (IPG) Kampus Batu Lintang, Sarawak
36.	<i>Sesi Coaching Pembangunan Modul Perakuan Pengamalan Tahunan Malaysian Healthcare Practitioners' Systems (MHPS) bagi MPM dan LJPM</i>	15 Officers 3 Auxiliaries	3 - 27 July 2023	47,700.00	Makmal Komputer, BPM, KKM
37.	<i>Kursus Pendakwaan Lanjutan</i>	30 Officers 2 Auxiliaries	4 - 6 July 2023	3,300.00	Pusat Latihan Akademik Pengangkutan Jalan Malaysia

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
38.	<i>Bengkel Pemurnian Laporan dan Penghasilan Infografik & Lembaran Fakta NHMS 2020: NOHSA 2020</i>	13 Officers 1 Auxiliary	11 - 14 July 2023	9,720.00	Travelodge Ipoh, Perak
39.	Biostatistic Course Phase 1: Parametric Tests	94 Officers	12 July 2023	1,600.00	Online
40.	<i>Bengkel Latihan Penggunaan Mesin Cetak 3D Digital Technology (3DDT) Siri 2 PKP KKM</i>	8 Officers 7 Auxiliaries	24 - 25 July 2023	15,000.00	Ladent Digital Technologies, Setapak, KL
41.	11th National Public Health Conference and 1 st Global Public Health Conference	1 Officer	24 – 27 July 2023	700.00	Resorts World, Langkawi, Kedah
42.	<i>Bengkel Pemantauan Klinikal</i>	37 Officers	25 - 27 July 2023	17,760.00	Hotel Santa Grand Signature, KL
43.	<i>Kursus Pengukuhan dan Pengamalan Soft Skill dan Psikologi Pegawai Penguatkuasa Pergigian 2023</i>	49 Officers	29 - 30 July 2023	14,850.00	Teratak Bernam Riverview, Tanjung Malim
44.	Troubleshooting Clinical Failures for Dental Practitioners (MPDPA)	35 Officers	30 July 2023	2,400.00	PJ Hilton Hotel, Petaling Jaya
45.	<i>Bengkel Kertas Putih Kesihatan: PKP KKM</i>	25 Officers	2 - 4 August 2023	14,627.00	Ibis Hotel KL City Centre
46.	6 th Sarawak Mental Health Conference 2023	2 Officers	4 - 6 August 2023	700.00	Imperial Hotel Kuching, Sarawak
47.	<i>Kursus Motivasi dan Kecemerlangan Diri Anggota Kumpulan Pelaksana PKP KKM</i>	34 Auxiliaries	4 - 6 August 2023	19,011.92	AVI Pangkor Beach Resort, Pulau Pangkor, Perak
48.	MDA MIDEK 2023	15 Officers	4 - 6 August 2023	10,875.00	Kuala Lumpur Convention Centre
49.	<i>Kursus Pengurusan Oral Spesimen untuk Pemeriksaan Histopatologi dan Risiko Medico-Legal</i>	53 Officers	7 August 2023	1,500.00	Auditorium HKL

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
50.	<i>Kursus Rawatan Endodontik Berkompleksiti Tinggi: Never Lost in Endodontic Challenges - Hands On, Lectures and Clinical Case Presentation</i>	46 Officers	9 - 10 August 2023	8,000.00	Dewan ADUN Pejabat SU Kerajaan Negeri Perak
51.	International Lean Healthcare Conference 2023	1 Officer	15 - 16 August 2023	0.00	The Everly Hotel, Putrajaya
52.	Supply and Needs-Based Requirement Projection Based on System Dynamics Approach for Dental Specialist Training Workshop	33 Officers	15 - 17 August 2023	9,282.60	OHP MOH
53.	<i>Bengkel Penyediaan Slaid bagi Siri Bengkel Webinar Garis Panduan OSCC/SCAN KKM bagi Pakar dan Pegawai Pergigian</i>	6 Officers	16 -18 August 2023	3,960.00	Hotel Park Inn, Putrajaya
54.	Effective Writing and Publishing Scientific Paper	50 Officers	17 August 2023	400.00	Online
55.	<i>Kursus Systematic Review on Evidence-Based & Clinical Practice Guidelines Development and Implementation for Dental Specialists and Dental Officers</i>	25 Officers	21 - 23 August 2023	13,080.00	The Pearl Hotel, KL
56.	<i>Bengkel Hala Tuju dan Pelan Strategik Perkhidmatan Kepakaran Periodontik KKM 2023-2025</i>	100 Officers	28 - 29 August 2023	8,600.00	Embun Resort, Lake Sahom, Kampar, Perak
57.	<i>Bengkel Kertas Putih Kesihatan: Reformasi PKP KKM Siri Ke-2</i>	24 Officers	3 - 5 September 2023	11,280.00	Hotel Barokah, Ampang
58.	11 th Kelantan Health Conference	2 Officers	4 -5 September 2023	700.00	Grand Renai, Kota Bharu
59.	<i>Kursus Pemantapan Pakar Pergigian Kesihatan Awam KKM Tahun 2023</i>	36 Officers	5 - 7 September 2023	15,000.00	Hotel Barokah, Ampang

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
60.	National Health and Morbidity Survey 2020: National Oral Health Survey of Adults 2020 (NHMS 2020: NOHSA 2020) Seminar	25 Officers	11 September 2023	2,500.00	MOH Auditorium
61.	13 th Allied Health Scientific Conference 2023	2 Officers 1 Auxiliary	12 - 13 September 2023	1,650.00	Everly Hotel, Putrajaya
62.	Periodontics Research Day 2023: Bridging the Gap Between Science and Clinical Practice	120 Officers	12 - 13 September 2023	400.00	Online
63.	Hypnosis in Paediatric Dentistry 2023	28 Officers	18 September 2023	2,900.00	Bilik Seminar, Hospital Sungai Buloh
64.	<i>Bengkel Penilaian Kajian Inisiatif Promosi Kesihatan Pergigian KKM 2023</i>	35 Officers 2 Auxiliaries	18 - 20 September 2023	22,869.50	Corus Paradise Resort, Port Dickson
65.	<i>Bengkel Pengendalian Kes-Kes One Stop Crisis Centre (OSCC) bagi Pakar Pergigian dan Pegawai Pergigian KKM Tahun 2023 Secara Webinar</i>	178 Officers	18 - 20 September 2023	5,500.00	NIH, Setia Alam
66.	<i>Bengkel Pembangunan Sistem Gi-Ret 2.0 Fasa 2 Siri 1</i>	16 Officers 4 Auxiliaries	19 - 22 September 2023	14,250.00	Hotel Port Dickson, Negeri Sembilan
67.	International Conference on Occupational Health	1 Officer	22 - 24 September 2023	1,200.00	Hotel Royale Chulan, KL
68.	<i>Kursus Kecemerlangan Prestasi Kerja Untuk Anggota Kumpulan Sokongan Peringkat Negeri Selangor Tahun 2023</i>	65 Officers	29 September 2023	1,950.00	Anjung Perdana Sari, Jabatan Kesihatan Negeri Selangor
69.	<i>Kursus Quality Assurance (QA) Peringkat PKP KKM</i>	40 Officers	3 - 5 October 2023	12,585.00	Bayou Lounge, Kelab Tasik Putrajaya
70.	<i>Bengkel Pembangunan Tatacara Penubuhan dan Pelaksanaan Dental Promotion Team (DPT)</i>	10 Officers	4 - 6 October 2023	5,060.00	Mtree Hotel, Puchong

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
71.	Creating and Editing Data with ArcGIS Pro	10 Officers	4 - 13 October 2023	14,100.00	ESRI Shah Alam
72.	29 th Malaysian Association of Orthodontist International Scientific Conference and Trade Exhibition (MAOISCTE)	1 Officer	7 - 9 October 2023	2,000.00	Pullman Hotel, Sarawak
73.	<i>Bengkel Pemerkasaan Program Outreach</i>	20 Officers	9 - 11 October 2023	20,988.00	Mercure Hotel, KL
74.	Getting Started with Tailwind and Microsoft SQL Server	7 Officers	16 October 2023	10,547.00	Online
75.	<i>Bengkel Membangunkan Kod Amalan Akreditasi Program Pergigian bagi Diploma Terapi Pergigian (COPPA for Dental Therapy Programme, COPPA-DTP)</i>	40 Officers	16 - 18 October 2023	15,993.23	Kinta River Front Hotel, Ipoh, Perak
76.	<i>Bengkel Hala Tuju Perkhidmatan Kesihatan Pergigian Siri Ketiga Program Kesihatan Pergigian KKM</i>	20 Officers	16 - 18 October 2023	24,440.00	Ibis Hotel, Kuala Lumpur City Centre
77.	<i>Bengkel Teknik Pendakwaan Pelbagai Jawatan Siri 2</i>	1 Officer	16 - 20 October 2023	50.00	ILKAP
78.	<i>Persidangan Saintifik Hari Kesihatan Persekitaran Sedunia Peringkat Kebangsaan 2023 (WEHD)</i>	5 Officers 1 Auxiliary	16 - 17 October 2023	1,500.00	Darul Iman Training Centre, Telok Kalong, Kemaman
79.	<i>Bengkel Pembangunan Sistem Gi-Ret 2.0 Fasa 2 Siri 2 Bagi PKP KKM</i>	15 Officers 7 Auxiliaries	18 - 20 October 2023	11,696.00	Copthorne, Cameron Highlands
80.	IIUM National Oral Health Research Initiative (NOHRI) Conference 2023	13 Officers	21 October 2023	6,500.00	International Islamic University of Malaysia (IIUM)
81.	<i>Kursus Penyediaan Kertas Siasatan</i>	29 Officers	23 - 25 October 2023	9,300.00	Hotel Bendahara, Melaka
82.	Global Leadership Team Conference GLTC	9 Officers	24 October 2023	13,500.00	Hotel Grand Dorsett, Subang

No.	Training Topic	Participants	Date	Expenses (MYR)	Venue
83.	<i>Bengkel Pemantapan Pembangun Kandungan Laman Media Sosial Rasmi Program Kesihatan Pergigian, Kementerian Kesihatan Malaysia</i>	10 Officers	25 - 27 October 2023	5,777.00	The Pearl Hotel, KL
84.	ArcGIS Online: Essential Workflows	5 Officers	14 November 2023	4,028.00	Online
85.	<i>Kursus Pemantapan Sahsiaah Diri Kecemerlangan Organisasi Program Kesihatan Pergigian</i>	25 Officers 20 Auxilliaries	21 - 23 November 2023	7,040.00	OHP MOH

Source: OHP MOH

ADVANCED COMPETENCY PROGRAMME (ACP)

In 2023, one (1) dental specialist received the offer to undergo training under the Advanced Competency Programme (ACP) (Table 4.8).

Table 4.8: Advanced Competency Programme, 2023

No.	Name	Course	Expenses	Venue	Date
1	Dr. Soon Hooi Imm	Clinical Attachment at Craniofacial Center	MYR 38,300.00	Faculty of Dentistry, University Chang Gung Memorial Hospital, Taiwan	1 August - 27 October 2023

Source: OHP MOH

CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

The following CPD sessions were held in the Oral Health Programme in 2023 (Table 4.9).

Table 4.9: List of Continuing Professional Development Sessions Conducted in OHP MOH, 2023

No.	CPD Courses	Date
1	<i>Dasar Kesihatan Pergigian Kebangsaan dan Pelan Strategik Kesihatan Pergigian Kebangsaan 2022-2030</i>	26 February 2023
2	Smile Malaysia Mobile Green Container Clinic	13 April 2023
3	Launch of the Western Pacific Regional Summary of the WHO Global Oral Health Status Report	8 June 2023

Source: OHP MOH

ORAL HEALTH POLICIES

NATIONAL ORAL HEALTH POLICY AND NATIONAL ORAL HEALTH STRATEGIC PLAN 2022 – 2030

The National Oral Health Policy (NOHP) was launched on 20th March 2023, during the World Oral Health Day celebration (WOHD) by Deputy Prime Minister Datuk Seri Fadillah Yusof in Sasana Kijang, Kuala Lumpur. This document serves as a reference for all relevant stakeholders working together towards improving oral health outcomes and quality of life of all Malaysians. The NOHP mandates the National Oral Health Strategic Plan 2022-2030 as the reference document for policy implementation. The monitoring of the strategic plan achievements will be performed annually to ensure active involvement of all stakeholders and continuous improvement to achieve the goals set for 2030.

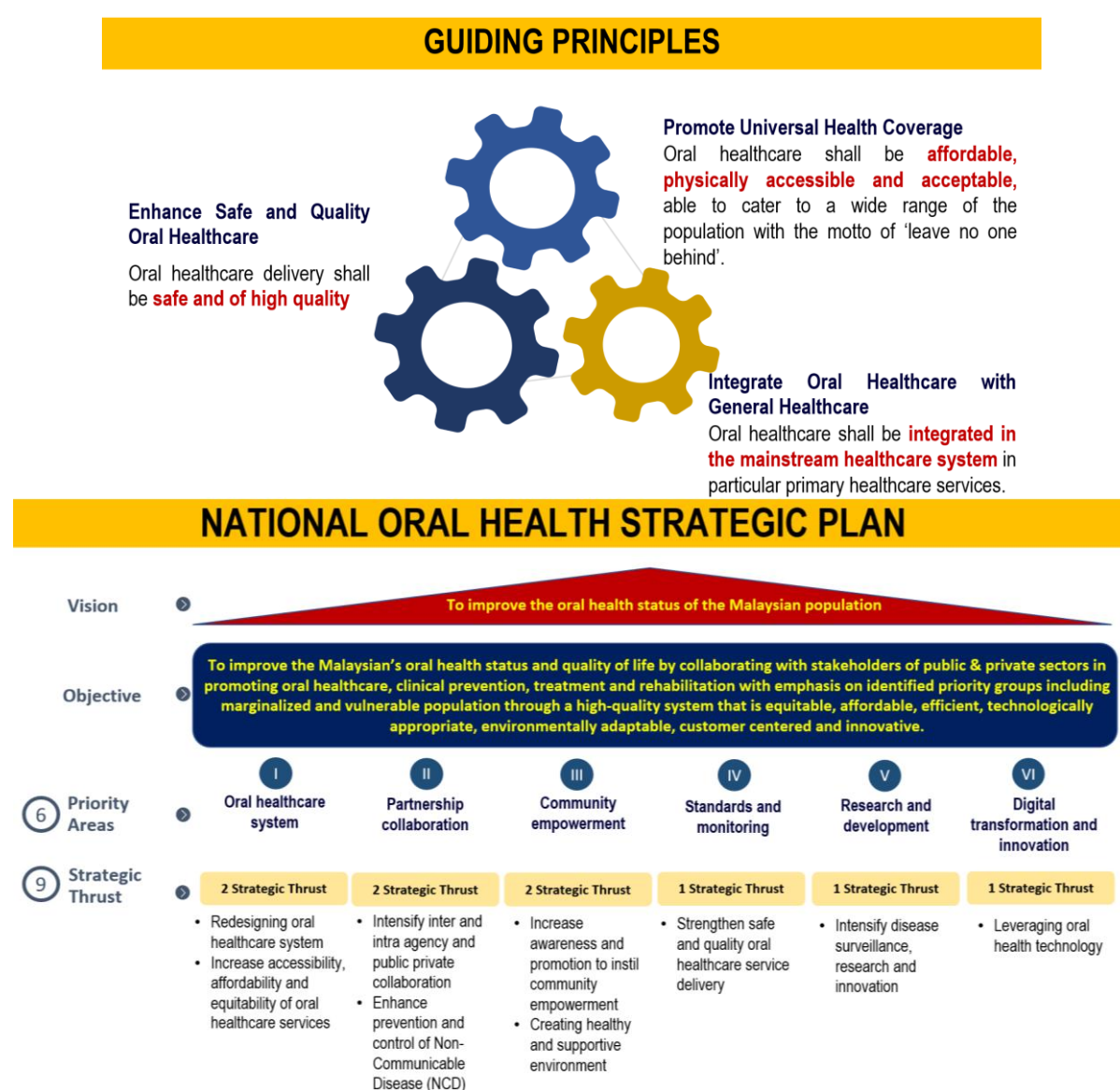


Image 4.1: Guiding Principles of the National Oral Health Policy and Framework of the National Oral Health Strategic Plan (2022-2030)

ORAL HEALTH FACILITY DEVELOPMENT SECTION

*Burung kenari di atas atap
Merbah serindik hinggap di tepian
Aset dan fasiliti haruslah mantap
Demi kelestarian perkhidmatan pergigian*



From left to right:

Seated: Dr. Faizah binti Kamaruddin UG56, Dr. Aslam Diyana binti Selamat UG54

Standing: Ms. Ameela binti Aziz U36, Dr. Sanjit Singh a/l Mehinder Singh UG52,
Dr. Ahmad Syahir bin Ahmad Zu Safiuddin UG52,
Mr. Zainuddin bin Abdul Majid U38

ORAL HEALTH FACILITY DEVELOPMENT

ORAL HEALTH FACILITIES

Oral healthcare services in Malaysia are provided in a variety of settings, including health clinics, standalone clinics, hospitals, schools and institutions. In addition to these conventional settings, oral healthcare services are also provided through mobile dental clinics and mobile dental teams. These services are designed to reach people who live in rural areas or who have difficulty accessing conventional dental care.

In 2023, the MOH had a total of 1,737 oral health facilities. **Table 5.1** below tabulates the different types of oral health facilities and their numbers.

Table 5.1: Oral Health Facilities by Type in MOH, 2023

Facility	Number of Facility
Stand-alone Dental Clinic	63
Dental Clinics in Health Centres / MCHC	595
Dental Clinics in Community Clinic	1
Dental Clinics in Hospitals	77
School Dental Clinics	911
Dental Clinics in UTC / RTC	26
Others: IMR, Prisons, Pusat Serenti, Handicapped Children Centres, Children Spastic Centres, Puspanita, Perbadanan	20
Total (Static facilities)	1,693
Mobile Dental Clinics	40
Mobile Dental Laboratories	4
Total (Mobile facilities)	44
Total	1,737

MCHC = Maternal and Child Health Clinic, UTC = Urban Transformation Centres, RTC = Rural Transformation Centres
Source: Taburan Fasilitas Kesehatan Pergigian, 2023, Health Informatics Centre, MOH

The fleet of mobile dental teams in OHP MOH are as listed in **Table 5.2**.

Table 5.2: Mobile Dental Teams in MOH, 2023

Mobile Dental Team	Number of Mobile Dental Team
School Mobile Dental Teams (Primary and Secondary Schools)	506
Preschool Mobile Dental Teams	138
Elderly & Special Needs Mobile Dental Teams	4

Source: Taburan Fasilitas Kesehatan Pergigian, 2023, Health Informatics Centre, MOH

ORAL HEALTH DEVELOPMENT PROJECTS UNDER THE 12TH MALAYSIA PLAN

The 12th Malaysia Plan (12MP) is a five-year development plan for Malaysia which spans from 2021 to 2025. The MOH will continue to improve people's health by providing universal access to quality healthcare through the development of healthcare facilities. In 2023, under the Second Rolling Plan (RP2), several oral health projects were approved as listed below:

- i. *Pusat Pakar Pergigian Terengganu*
- ii. 12 Mobile Dental Teams for 9 states
- iii. One (1) mobile dental clinic for Melaka

Procurement of assets for all mobile dental teams were completed in 2023 except Sarawak, whereas the procurement for two (2) vehicles (van type) was being revoted to 2024 due to lack of supply. Meanwhile, the procurement process of two (2) dental chair cum unit (DCCU) for Melaka's Mobile Dental Clinic will continue in 2024 by the state itself.

In addition, eight (8) development projects were brought forward from 10MP and 11MP in several number of states as follows:

- i. Standalone Dental Clinics:
 - Klinik Pergigian Bukit Selambau, Kedah
 - Klinik Pergigian Tanjung Karang and District Oral Health Office, Kuala Selangor, Selangor
 - Klinik Pergigian Daro, Mukah, Sarawak
 - Pusat Pakar Pergigian Negeri Sembilan
 - Pusat Pakar Pergigian Sabah
 - Pusat Pakar Pergigian Terengganu
- ii. Health Clinic (Type 3) and *Klinik Pakar Pergigian* Precinct 6, Putrajaya
- iii. Upgrading Paediatric Dental Department, Melaka Hospital

DEVELOPMENT PROJECTS UNDER PUBLIC PRIVATE PARTNERSHIP (PPP)

In addition to the projects under the Malaysia Plan, there are two (2) projects under the Public-Private Partnership (PPP) scheme, namely:

- i. Redevelopment of Klinik Pergigian Cahaya Suria (*Pusat Pakar Pergigian Kuala Lumpur*) at Menara Legasi Kampung Baru, Kuala Lumpur
- ii. Project 2 of *Institut Penyelidikan Kesihatan Bersepadu* (IPKB) Complex (Land Swap of Klinik Pergigian Bangsar) at Klinik Pergigian in Klinik Kesihatan (Type 2) Lembah Pantai, Kuala Lumpur.

PROCUREMENT OF MEDICAL AND NON-MEDICAL EQUIPMENT

In 2023, the OHP MOH received MYR 19 million under the Development Budget (BP00600 & BP01100) for procurement of new, replacement or upgrading of medical and non-medical equipment. The budget was allocated as follows:

- MYR 8,000,000.00 for the purchase of DCCU (dental officer specification)
- MYR 11,000,000.00 for the purchase of various medical equipment for 17 states/ administrative centres.

The allocation spent for BP00600 was MYR 10,959,948.20 (99.64%). The allocation for BP01100 (MYR 8,000,000.00) was revoted to 2024 for the procurement of 80 units of DCCU by central tender procurement process at OHP MOH.

HOSPITAL AND HEALTH CLINIC SUPPORT SERVICES OF BIOMEDICAL EQUIPMENT MANAGEMENT SERVICES (BEMS) – MEDICAL EQUIPMENT ENHANCEMENT TENURE (MEET) PROGRAMME

The implementation of Medical Equipment Enhancement Tenure (MEET) Programme by Quantum Medical Solutions (QMS) at Health Clinics and Dental Clinics is monitored through MEET Technical Audit at monthly meetings.

In 2023, the MEET programme was audited by the National Audit Team at Air Itam Dental Clinic, Pulau Pinang; Bagan Serai Dental Clinic, Perak; Beaufort Dental Clinic, Sabah; Sibujaya Dental Clinic, Sarawak; Puspanita Dental Clinic, Putrajaya and Bandar Seri Putra Dental Clinic, Selangor. This audit was coordinated by MOH Engineering Services Division in collaboration with OHP MOH and the respective State Health Department.

OHP MOH had collected and analysed the biomedical equipment data to aid in the preparation of Request for Proposal (RFP) of the MEET 2.0 Programme which will involve Perlis, Kedah, Pahang, Terengganu and Kelantan.

ORAL HEALTH FACILITY DEVELOPMENT AND MANAGEMENT COURSE

The Oral Health Facility Development and Management course was carried out at Mtree Hotel Puchong, Selangor from 6 to 8 June 2023. The objectives of the course were as follows:

- i. To obtain the latest information related to the planning and implementation of physical health facility construction projects by the Ministry of Health (MOH)
- ii. To strengthen knowledge related to project application management and MOH development allocation
- iii. To provide exposure to the Value at Entry (VAE) initiative management implementation system at the project realisation level
- iv. To receive exposure to the standard operating procedures for managing approval of import goods acquisition at the Ministry of Health Malaysia and government procurement under Free Trade Agreements (FTA)
- v. To share experiences regarding issues and challenges in dental health facility development projects and asset management in the state



Image 5.1: The Oral Health Facility Development and Management Course

ORAL HEALTH TECHNOLOGY SECTION

*Dr. Zaid memimpin bijak berbudi
Parveen, Hadi, Mira seiring sejalan
Teknologi kesihatan pergigian dipacu rapi,
Demi senyuman rakyat, harapan gemilang*



From left to right:

Standing: Dr. Mohd Zaid bin Abdullah UG56, Dr. Ahmad Hadi Amir
bin Ab Razak UG48

Seated: Dr. Parveen a/p Thanabalen UG54, Ms. Noramirah binti
Abd Razak N19

ORAL HEALTH TECHNOLOGY

The Oral Health Technology Section is responsible for managing and conducting activities related to:

- i. Development or review of Clinical Practice Guidelines (CPGs)
- ii. Approved Products Purchase List (APPL)
- iii. Health technology assessment including studies related to the Minamata Convention on Mercury and activities related to medical device registration under Medical Device Act 2012 [Act 737] for oral health technology or equipment

In 2023, the section focused on enhancing evidence-based health decision-making, ensuring the safety, effectiveness, and cost-efficiency of technologies used in oral health services nationwide.

ORAL HEALTH RELATED CLINICAL PRACTICE GUIDELINE (CPG)

STATUS OF CPGs

In 2023, a total of 15 CPGs were maintained by the Oral Health Programme, with one new CPG initiated. The status of the CPGs as of 31 December 2023 is detailed below:

Table 7.1 Clinical Practice Guidelines

Title of CPG	Publication Year	Status
Management of Anterior Crossbite in the Mixed Dentition (3 rd Edition)	2023	Current
Management of Hypodontia (2 nd Edition)	2023	Current
Management of Unerupted and Impacted Third Molar (2 nd Edition)	2021	Current
Management of Avulsed Permanent Anterior Teeth (3 rd Edition)	2019	Current
Management of Mandibular Condyle Fractures (2 nd Edition)	2019	Current
Management of Periodontal Abscess (2 nd Edition)	2016	Current
Management of Acute Orofacial Infection of Odontogenic Region in Children	2016	Current
Management of the Palatally Ectopic Canine (2 nd Edition)	2016	Current
Management of Ameloblastoma	2015	Current
Management of Unerupted Maxillary Incisor (2 nd Edition)	2015	Current
Management of Chronic Periodontitis (2 nd Edition)	2012	Current
Management of Severe Early Childhood Caries (2 nd Edition)	2012	In progress
Antibiotic Prophylaxis in Oral Surgery for Prevention of Surgical Site Infection (2 nd Edition)	2015	In progress
Dental Implant Maintenance for Prevention of Peri-Implant Disease	-	In progress
Oral Management in Patients undergoing Head and Neck Radiotherapy	-	Initiated 2023

Source: OHP MOH

SYSTEMATIC REVIEW ON EVIDENCE-BASED CLINICAL PRACTICE GUIDELINES DEVELOPMENT COURSE

A course on systematic review for evidence-based CPG development was conducted from 21 to 23 August 2023, facilitated by officers from Health Technology Assessment Unit (MaHTAS), MOH. The course aimed to guide participants on systematic article search, critical appraisal techniques, and the formulation of evidence tables. A total of 28 participants from various dental specialties attended the course.

APPROVED PRODUCTS PURCHASE LIST (APPL)

In 2023, the Oral Health Technology Section supported the Procurement and Privatisation Division MOH by providing input on the APPL. Activities included preparation of specifications, technical assessment of products, price negotiations, finalizing the product list and suppliers, and monitoring issues related to tendering companies.

PERFORMANCE STANDARD DEVELOPMENT

The section contributed to the development of Performance Standard terms and conditions for the concession agreement. This involved feedback collection from states and the compilation of a product list for the new term, identifying a total of 11 products for inclusion.

HEALTH TECHNOLOGY ASSESSMENT INCLUDING STUDIES RELATED TO THE MINAMATA CONVENTION ON MERCURY

FEASIBILITY STUDY ON PHASING DOWN DENTAL AMALGAM THROUGH TOOTH-COLOURED RESTORATIONS IN MALAYSIA

A feasibility study was initiated on the full implementation of tooth-coloured restorations to phase down dental amalgam use, in line with the Minamata Convention on Mercury. The study commenced in July 2023 and will continue until August 2026, involving secondary schoolchildren and oral healthcare personnel across six (6) regions. The study aims to assess the time, cost, and retention of tooth-coloured restorations, as well as acceptability among dental professionals. Preliminary findings, expected by May 2025, indicate a positive shift towards mercury-free dental practices. This initiative supports MOH's strategy to reduce amalgam use by 5% by 2025 and achieves a complete phase-out by 2030.

USE OF DENTAL AMALGAM IN MINISTRY OF HEALTH FACILITIES

Efforts continued to phase down the use of dental amalgam fillings in MOH facilities, with usage reduced to 3% by 2023. Initiatives included:

- Strengthening oral health prevention and promotion strategies
- Collaborating with stakeholders to develop sustainable strategies
- Limiting the use of dental amalgam to encapsulated forms and installing dental amalgam traps or filters
- Conducting research on mercury-free dental fillings materials

Table 7.2 below shows the trend of dental amalgam filling usage in MOH facilities from 2016 to 2023.

Table 7.2 Dental Amalgam Usage in Ministry of Health Facilities, 2016-2023

Year	Percentage (%)
2016	18.39
2017	15.93
2018	13.05
2019	9.91
2020	6.97
2021	3.26
2022	2.96
2023	1.82

Source: OHP MOH

ORAL HEALTH INFORMATION MANAGEMENT SECTION

*Malaysia Madani teras perpaduan
Untuk segenap lapisan masyarakat
Evolusi IT pemangkin kemajuan kesihatan
1 individu 1 rekod untuk kesejahteraan rakyat*



From left to right:

Seated: Ms. Norliyana binti Mustaffa U32, Dr. Nurul Ashikin binti Husin UG56,
Dr. Saiyida Athirah binti Abd Nasir UG48, Dr. Suhana binti Ismail UG54

Standing: Mr. Mohamad Alief Mukhlis bin Mohamad Adnin F29, Dr. Mohammad
Taqiuddin bin Ramli UG44, Dr. Mohammad Aimaan bin Abdul Latif UG48, Mr.
Gauthama Dasa Edwin F32, Dr. Mohd Shukri bin Talohah UG52, Dr. Muhammad
Izryan bin Mohammad Yazed UG41, Dr. Norizzuddin bin Norazman UG44

ORAL HEALTH INFORMATION MANAGEMENT

RATIONALISATION OF THE MINISTRY OF HEALTH'S WEBSITE

OHP MOH, together with the Information Management Department MOH, have implemented rationalisation of the MOH's Website. This rationalisation was intended to rearrange and integrate all websites under the MOH. This implementation has been anticipated to be more efficient in handling the government's online services and to unify and reduce the number of government's websites. The OHP's website will be updated from www.ohd.moh.gov.my to www.moh.gov.my/ohp effective early 2024.



Image 6.1 Oral Health Programme's website

EXPANDING THE ELECTRONIC MEDICAL RECORD (EMR) TO 24 DENTAL CLINICS

Teleprimary Care - Oral Health Care Information System (TPC-OHCIS) is a clinical information system used at 31 Dental Clinics in Negeri Sembilan. TPC-OHCIS covers primary oral health care services (outpatient and outreach oral health care services), preventive programmes, and specialist oral health care services of orthodontics, periodontics and restorative care. In year 2023, this system was expanded to 24 dental clinics in few states as below:

- Johor (12 dental clinics)
- Selangor (8 dental clinics)
- Federal Territory of Kuala Lumpur (3 dental clinics)
- Pulau Pinang (1 dental clinic).

The User Augmentation Workshop will be conducted in 2024.



Image 6.2 Activities during the expansion of EMR to 24 Dental Clinics

PROCUREMENT OF ArcGIS Pro SOFTWARE

Geographic Information Systems is a technology that can be used to store, analyse, and visualise spatial data such as the location of dental clinics and factors that influence access to dental services, in the form of a map. This map can be used to identify areas that have a shortage of dental clinics or underserved areas with dental clinics. Geographic Information Systems can also be used to analyse the factors that may influence access to oral health services, such as income, transportation, and many more. ArcGIS Pro is a Geographic Information Systems software. In 2023, it was procured at a cost of MYR 172,500.00, including two (2) years of maintenance, under the Malaysian Health Data Warehouse (MyHDW) Enterprise. The procurement licence is expected to be delivered by the end of 2024. Moving forward, a Geospatial Committee will be established.

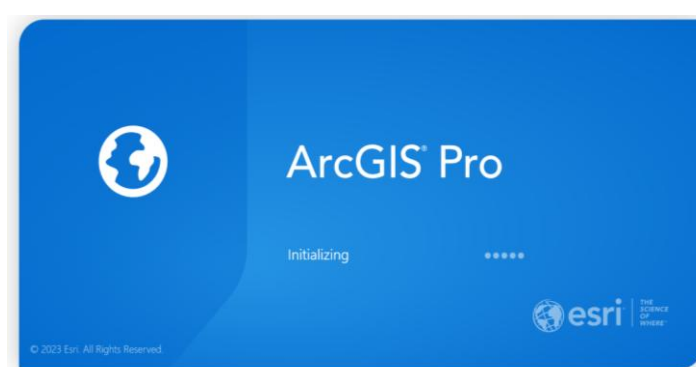


Image 6.3 ArcGIS Pro Software



ACTIVITIES AND ACHIEVEMENTS : ORAL HEALTHCARE DIVISION

05.

- **Oral Health Promotion**
- **Primary Oral Healthcare**
- **Specialist Oral Healthcare**
- **Community Oral Healthcare**



KEMENTERIAN KESIHATAN MALAYSIA

ORAL HEALTH PROMOTION SECTION

*Bersama kita tingkatkan kesedaran
Peri pentingnya kesihatan pergigian
Promosi pergigian tetap diteruskan
Agar senyuman sihat menawan*



From left to right:

Seated: Dr. Jamaliah binti Omar UG56, Dr. Nor Azra binti Hanaffi UG48

Standing: Ms. Siti Zainaliza binti Hashim U32, Dr. Mohd. Noor Arif bin Adam UG48, Ms. Haziah binti Hassan U38

ORAL HEALTH PROMOTION

The Oral Health Programme, Ministry of Health Malaysia (OHP MOH) focuses on oral health promotion activities that aim to enable the public to increase control over the determinants of oral health. The activities are intended to increase knowledge and awareness, strengthen the skills and capabilities of individuals, and also change social and environmental conditions to improve the oral health status of the population. The main oral health promotion initiatives conducted in OHP MOH are as follows:

- i. *Latihan Memberus Gigi Berkesan* (BEGIN)
- ii. Toothbrushing Drills (TBD) and Oral Health Education (OHE) Talk
- iii. *Kesihatan Oral Tanpa Amalan Merokok* (KOTAK)
- iv. *Ikon Gigi* (iGG)
- v. *Klinik Pergigian Mesra Promosi* (KPMP)
- vi. Transformation With One Smile Together (TW1ST): Oral Health Promotion Activities for Community College Students
- vii. Celebration of World Oral Health Day (WOHD) 2023
- viii. Oral Health Promotion Activities at Wellness Hub
- ix. Oral Health Promotion Activities at *Jelajah Agenda Nasional Malaysia Sihat* (ANMS)
- x. Oral Health Promotion Activities at *Karnival Jom Heboh TV3*
- xi. Oral Health Promotion Week or *Minggu Promosi Kesihatan Pergigian* (MPKP)
- xii. Campaign on Dental Check-Ups at Least Once a Year OR *Kempen Pemeriksaan Pergigian Sekurang-kurangnya Sekali Setahun* (PEPS1S)
- xiii. *Kesihatan Oral dan Agama* (KOA)
- xiv. Oral Health Programme for Trainee Teachers
- xv. Oral Health Promotion Activities in Social Media

WORKSHOPS

In addition to the initiatives mentioned above, four (4) workshops were successfully conducted in 2023 as part of the OHP MOH's continuous efforts to enhance capacity building among dental personnel in promoting oral health. This will further strengthen the capability of dental personnel to enhance oral health promotion efforts by conveying information to the public in effective manners.



Image 8.1: Bengkel Penghasilan Bahan-Bahan Promosi Kesihatan Pergigian Berdasarkan Garis Panduan Kesihatan Pergigian KKM, 12 – 14 June 2023



Image 8.2: Bengkel Penilaian Kajian Keberkesanan Inisiatif Promosi Kesihatan Pergigian KKM, 18 – 20 September 2023



Image 8.3: Bengkel Pembangunan Tatacara Penubuhan dan Pelaksanaan Dental Promotion Team, 11 – 13 October 2023



Image 8.4: Bengkel Pemantapan Pembangun Kandungan Laman Media Sosial Rasmi PKP KKM, 25 – 27 October 2023

GLOBAL SCRUB CHOIR CHAMPIONS MUSIC VIDEO PROJECT

The participation of dental personnel in the Music Video Project organised by the World Health Organisation (WHO) Western Pacific Regional Office in collaboration with the Global Scrub Choir is an effort to appreciate the service and sacrifices of healthcare workers. Dental

personnel from various levels of oral health services, including specialist care services in hospital, mobile dental clinic, and oral health service management at the headquarter level have participated in the project. The music video featuring representatives of healthcare members from across the Western Pacific region was launched on 15 October 2023, during the Western Pacific Committee Meeting in Manila, Philippines.

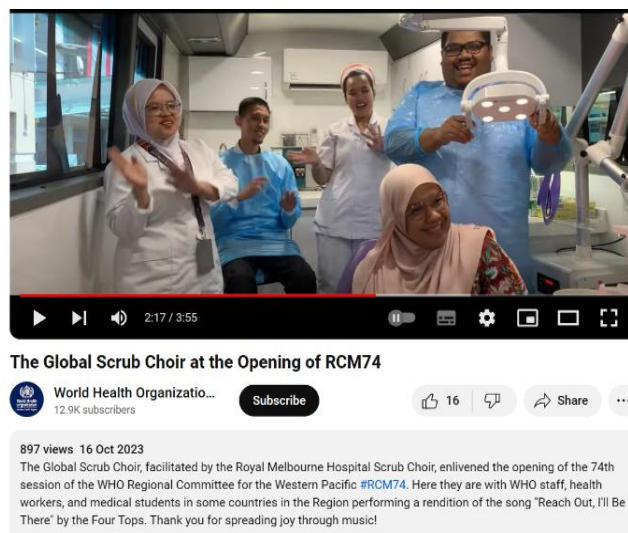


Image 8.5: The Music Video Launched During the Opening of The Western Pacific Committee Meeting in Manila



Image 8.6: Dental Personnel Fully Uniformed and Wearing Scrub Suits



Image 8.7: Video Recording Session at the Headquarters of OHP MOH



Image 8.8: Video Recording Session at The Oral & Maxillofacial Clinic, Cyberjaya Hospital

LATIHAN MEMBERUS GIGI BERKESAN (BEGIN)

BEGIN is an oral health promotion activity to promote and instill effective toothbrushing habits among children from a young age. The aim of the BEGIN programme is to effectively control dental plaque and inculcate a positive attitude towards oral health. One of the indicators for monitoring the BEGIN programme is the percentage of facilities implementing BEGIN.

Figure 8.1 shows the percentage of TASKA implementing the BEGIN programme across Malaysia in the year 2023.

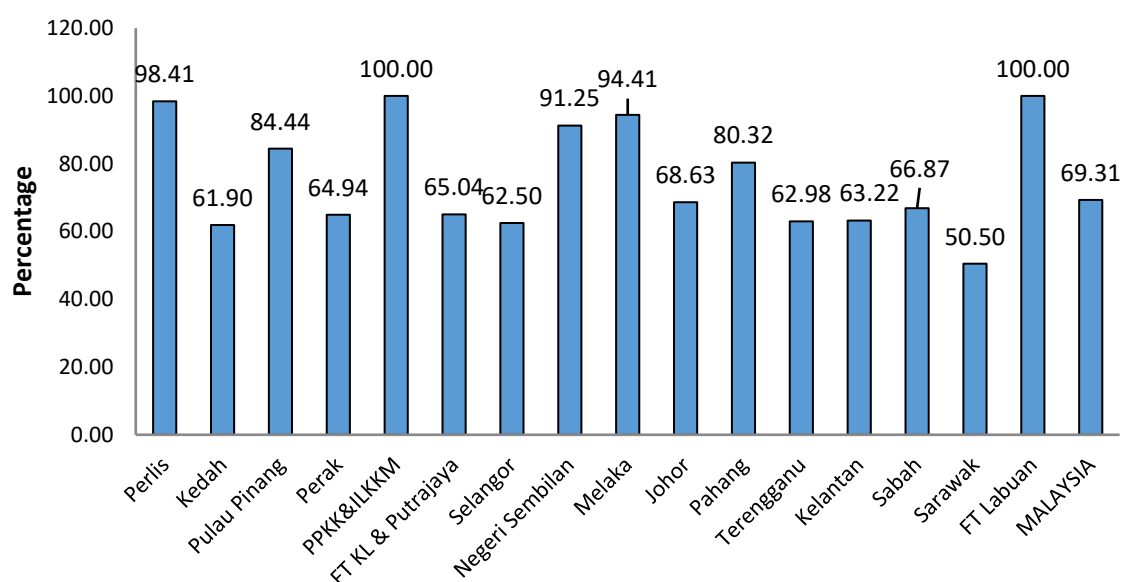


Figure 8.1: Percentage of TASKA Implementing BEGIN, 2023

Source: OHP MOH

Figure 8.2 shows the percentage of prechools and primary schools implementing the BEGIN programme across Malaysia in the year 2023.

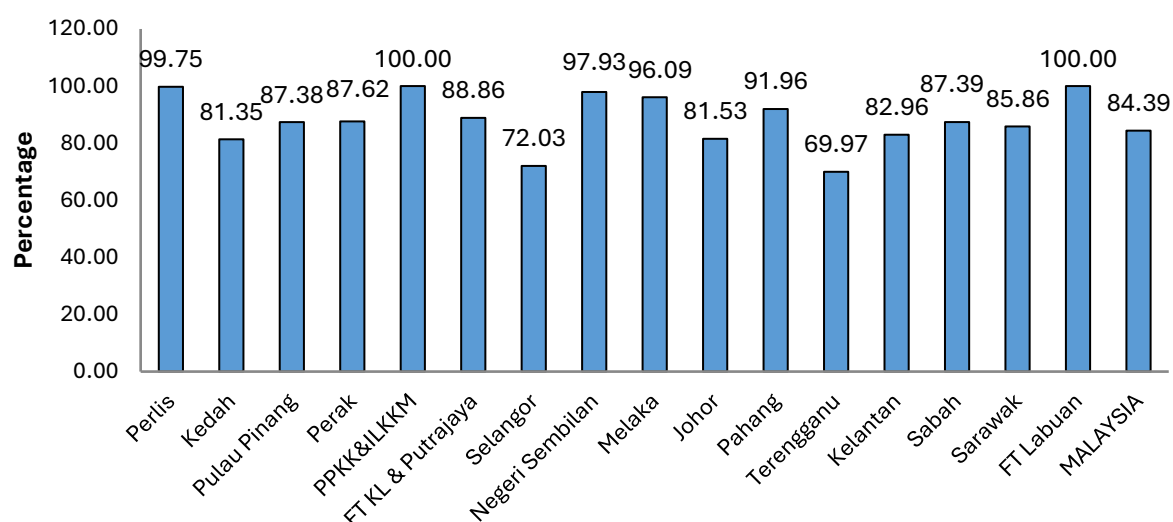


Figure 8.2: Percentage of Preschool and Primary Schools Implementing BEGIN, 2023

Source: OHP MOH

Table 8.1 shows the number of TASKA, preschools and primary schools implementing the BEGIN programme across Malaysia in the year 2023.

Table 8.1: Number of Facilities Implement BEGIN According to States, 2023

State/ Institution	TASKA		Preschool & Primary School	
	No. of Facility Implement BEGIN	Total Facility	No. of Facility Implement BEGIN	Total Facility
Perlis	62	63	395	396
Kedah	91	147	1,754	2,156
Pulau Pinang	76	90	914	1,046
Perak	150	231	2,499	2,852
PPKK & ILKMM	4	4	35	35
FT KL & Putrajaya	80	123	710	799
Selangor	235	376	2,225	3,089
Negeri Sembilan	73	80	1,231	1,257
Melaka	152	161	982	1,022
Johor	186	271	2,843	3,487
Pahang	200	249	1,991	2,165
Terengganu	131	208	1,361	1,945
Kelantan	153	242	1,738	2,095
Sabah	222	332	3,091	3,537
Sarawak	102	202	3,230	3,762
FT Labuan	25	25	102	102
Malaysia	1,942	2,802	25,101	29,745

Source: OHP MOH

TOOTHBRUSHING DRILLS AND ORAL HEALTH EDUCATION (OHE) TALK

Dental plaque is one of the main risk factors for dental caries and periodontal diseases. Therefore, it is crucial to inculcate dental plaque control in the form of toothbrushing drills from an early age to achieve optimal oral health status.

In 2023, 43.62% of preschool children (**Figure 8.3**), and 52.57% of primary schoolchildren (**Figure 8.4**) participated in toothbrushing drills (TBD).

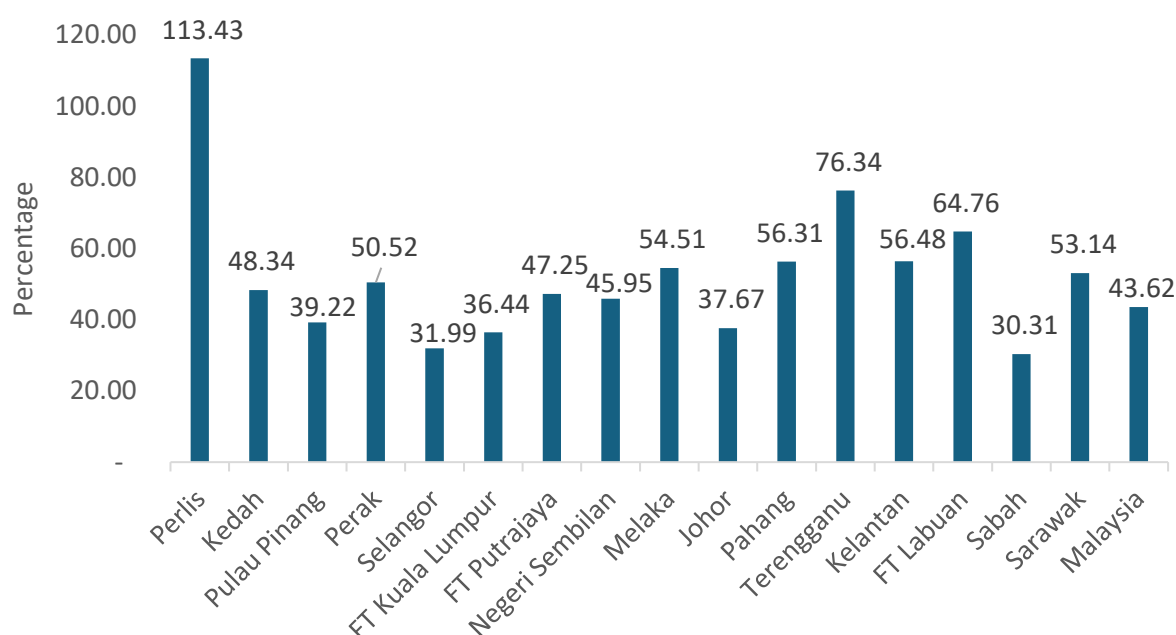


Figure 8.3: Percentage of Preschool Children Participated in Toothbrushing Drills, 2023

Source: OHP MOH

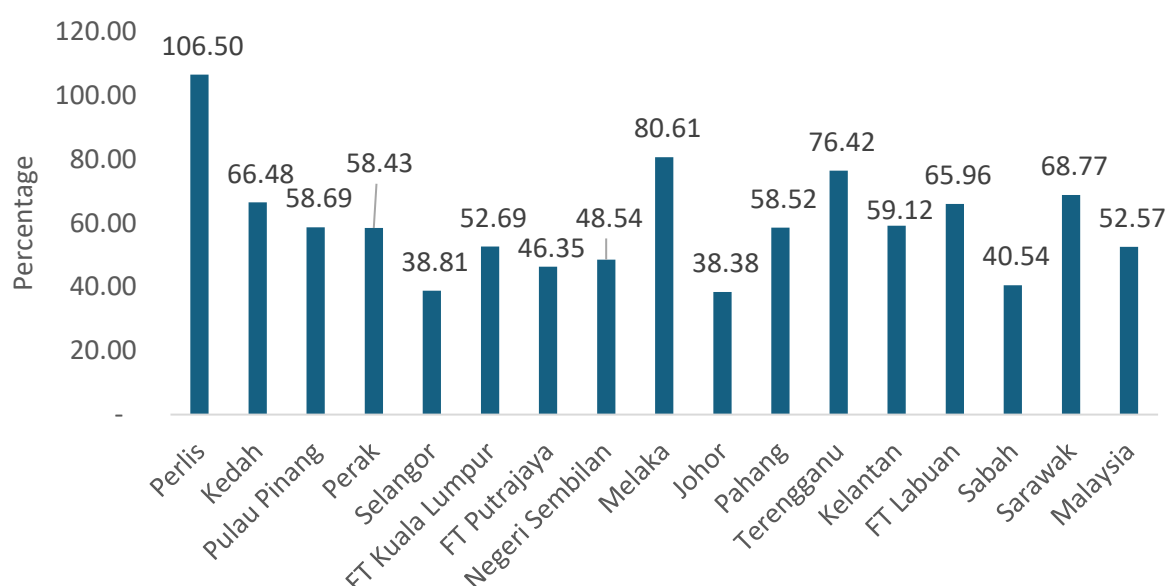


Figure 8.4: Percentage of Primary Schoolchildren Participated in Toothbrushing Drills, 2023

Source: OHP MOH

In addition to toothbrushing drills, oral health education talks were also given to increase knowledge and awareness towards oral health from an early age. In 2023, 44.44% of preschool children, 59.47% of primary schoolchildren, and 38.86% of secondary schoolchildren were given oral health education, as shown in **Figures 8.5, 8.6 and 8.7** respectively.

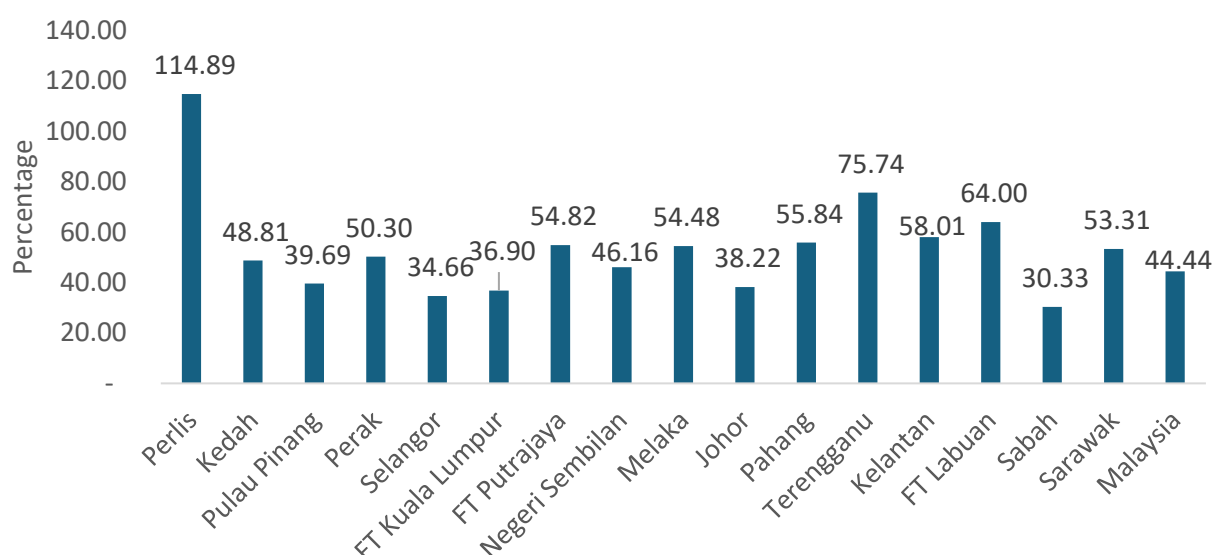


Figure 8.5: Percentage of Preschool Children Received Oral Health Education, 2023

Source: OHP MOH

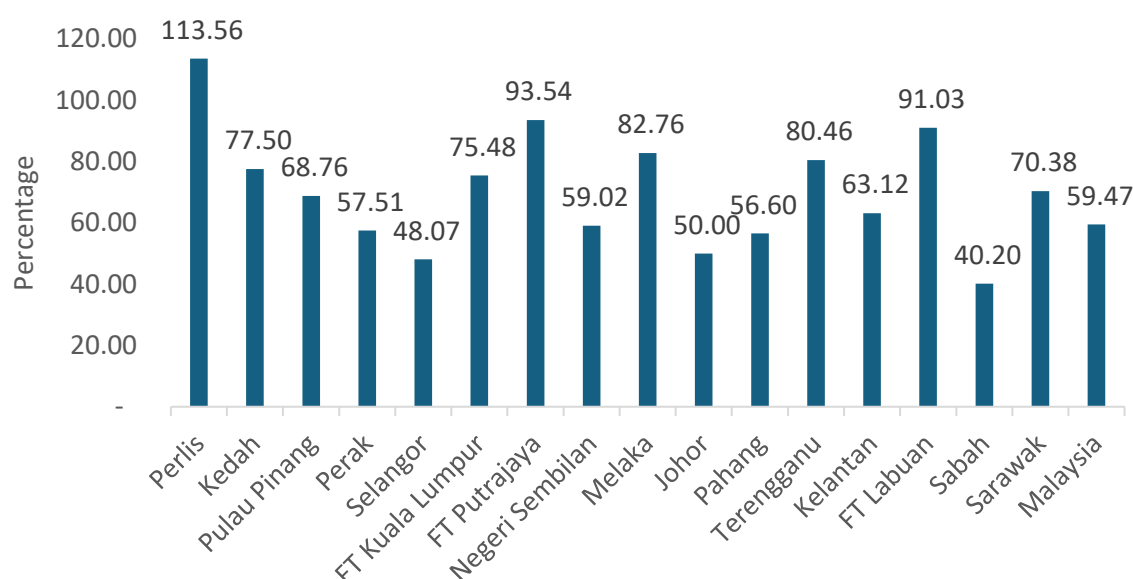


Figure 8.6: Percentage of Primary Schoolchildren Received Oral Health Education, 2023

Source: OHP MOH

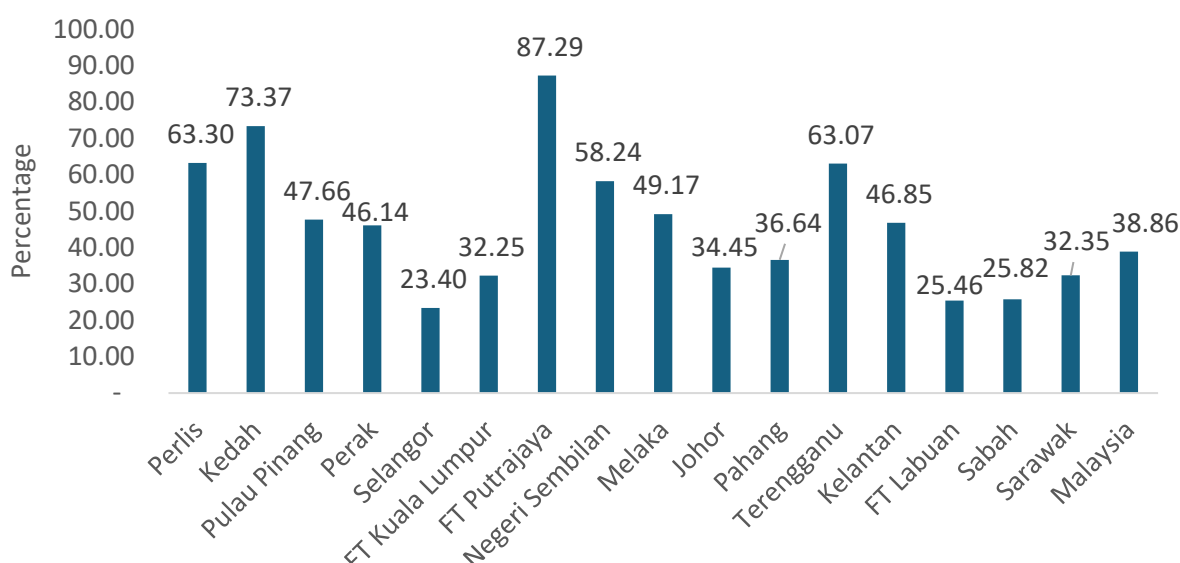


Figure 8.7: Percentage of Secondary Schoolchildren Received Oral Health Education, 2023

Source: OHP MOH

KESIHATAN ORAL TANPA AMALAN ROKOK (KOTAK)

KOTAK is an acronym for *Kesihatan Oral Tanpa Amalan Merokok* in Malay. While a direct English translation would suggest "Oral Health without Smoking Habit," in reality, it represents a school-based smoking prevention and cessation program implemented in Malaysia.

KOTAK is a school-based programme for early detection, prevention and intervention in tobacco use among students, which started in 2016. This programme is a value-added element of the existing school-based Incremental Dental Treatment (IDT) service that targets primary and secondary schoolchildren throughout the country. It is a strategic partnership between the OHP MOH with multiple sectors involving the Disease Control Division, MOH, the School Education Division of the Ministry of Education (MOE) and the Faculty of Health Science of the National University of Malaysia (UKM).

The general objective of the programme is to reduce the prevalence of smoking among schoolchildren through prevention and intervention activities.

The specific objectives are:

- i. To determine the smoking status among schoolchildren through screening for smoking habit
- ii. To identify smoking practices among schoolchildren
- iii. To give awareness to schoolchildren to avoid the practice of smoking
- iv. To provide intervention to schoolchildren who smoke to stop smoking

Through the IDT service, dental mobile teams which consist of dentists and dental therapists along with their assistants, regularly visit schools each year to conduct oral health screenings and provide necessary dental treatment.

The IDT service starts off with a routine dental check up to detect oral health diseases such as dental caries and gum disease, along with a complete dental charting. Subsequently, all students will be screened for smoking habit, by chair-side assessment involving asking simple questions, confessions, observations, and clinical examinations. Some typical informal questions, include inquiries like: Are you smoking or vaping? Have you ever smoked or vaped? Are you exposed to cigarette or vape smoke at home?

During the assessment, signs and symptoms of smoking habits are also observed. These include the smell of cigarettes on their breath and clothing; nicotine stains, which manifest as a change in the colour of tooth surfaces due to nicotine exposure; smokers' lips, characterised by dark or blackened lips from smoking; smokers' palate, identified by whitening on the palate in smokers; and the aroma of e-cigarette liquid flavor for students who vape. Additionally, there might be oral lesions, such as hairy lesions or angular cheilitis.

Subsequently, the students are categorised into one of four groups based on their smoking habits, which are active smokers, passive smokers, ex-smokers or non-smokers. All categories will undergo prevention activities such as oral health talks on the danger of smoking in groups. Brief advice regarding the dangers of smoking is also provided chair-side.

Particular emphasis is focused on active smokers, whereby these students are given non-pharmacological intervention. This intervention comprises counseling and motivational techniques designed to facilitate behavioural change, aiding students identified as current smokers in overcoming their addiction to smoking. The intervention is based on 5A (Ask, Advice, Assess, Assist, Arrange) and 5R technique (Relevance, Risk, Rewards, Roadblocks, Repetition).

Students who engage in smoking are required to participate in a minimum of three intervention sessions annually. The aim is to continuously motivate them until they are prepared to set a quit date and make an attempt to quit smoking. In cases where we are unable to achieve this, students will be referred to school counsellors for additional support and management. This programme's cycle will continue in this manner on an annual basis.

SCREENING OF THE SCHOOLCHILDREN FROM 2016 UNTIL 2023

The percentage of schoolchildren who underwent smoking screenings increased from 2016 to 2019. In 2016, 78.9% of primary schoolchildren were screened, while by 2019, this figure had risen to 99.36%. Likewise, for secondary schoolchildren, the screening prevalence was 75.27% in 2016 and increased to 97.43% in 2019. This trend decreased significantly in 2020 and 2021 due to school closures during the COVID-19 pandemic. In 2021, screening was conducted solely for students who visited the dental clinic during that specific year. Nevertheless, in 2023, the screening rates increased as schools resumed regular sessions, with 96.81% of primary schoolchildren and 91.90% of secondary schoolchildren being screened (**Figure 8.8**).

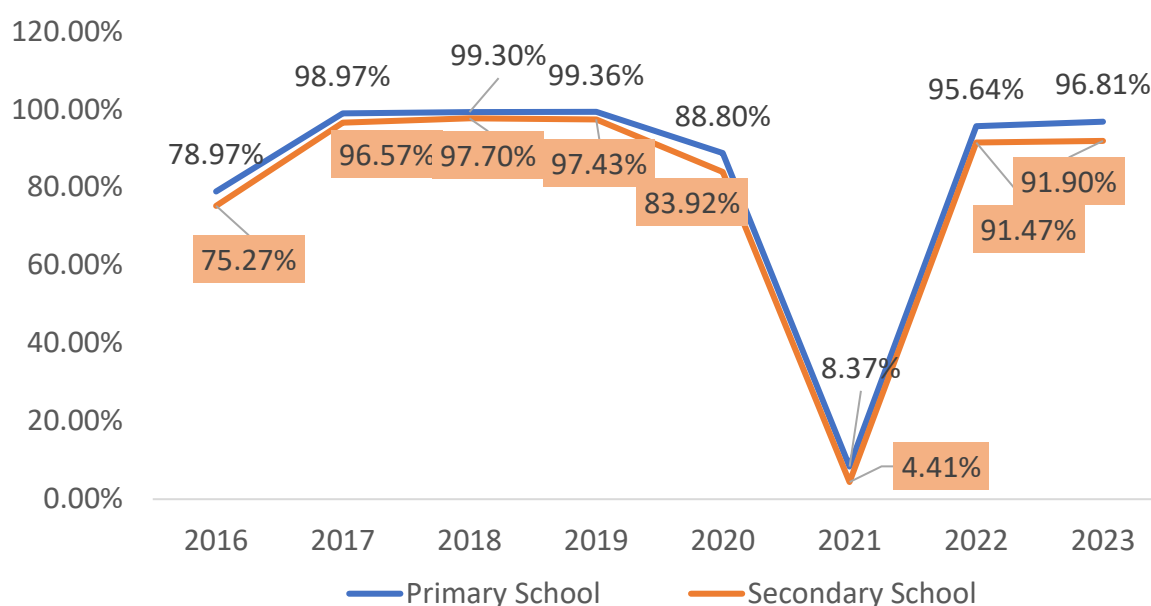


Figure 8.8: The Percentage of Primary and Secondary Schoolchildren Who Underwent Smoking Screenings, 2016 - 2023

Source: OHP MOH

Total schoolchildren screened in the year 2023 is as in **Table 8.2** below.

Table 8.2: Total of Primary and Secondary Schoolchildren Screened, 2023

School	Enrolment (D)	Number of Schoolchildren Screened (N)	Percentage (%)
Primary School	2,493,277	2,413,761	96.81%
Secondary School	1,675,690	1,540,035	91.90%

Source: OHP MOH

DETECTION OF ACTIVE SMOKERS

Both groups of schoolchildren showed general downward trends in the percentage of active smokers over an 8-year duration (2016 – 2023). (**Table 8.3**).

Table 8.3: The Percentage of Active Smokers Schoolchildren, 2016 - 2023

Year School	2016	2017	2018	2019	2020	2021	2022	2023
Primary School	2,425 (0.11%)	1,671 (0.06%)	1,105 (0.04%)	1,249 (0.05)	317 (0.03%)	12 (0.01%)	341 (0.02%)	429 (0.02%)
Secondary School	63,881 (4.07%)	72,888 (3.85%)	68,321 (3.66%)	63,763 (3.35%)	31,821 (3.46%)	974 (1.92%)	43,019 (3.25%)	45,180 (2.93%)

Source: OHP MOH

The number of active smokers among schoolchildren in 2023 by state is as below, which shows Kelantan has the highest number of active smokers among primary schoolchildren, while Sarawak has the highest number of active smokers among secondary schoolchildren (**Table 8.4**).

Table 8.4: Active Smokers According to States, 2023

State/ Institution	Primary School	Secondary School
Perlis	1	234
Kedah	24	2,598
Pulau Pinang	2	360
PPKK & ILKKM	1	6
Perak	4	2,419
Selangor	45	3,656
FT KL & Putrajaya	3	1,320
Negeri Sembilan	2	2,034
Melaka	7	1,634
Johor	33	3,908
Pahang	18	3,835
Kelantan	122	5,172
Terengganu	80	4,904
Sabah	16	4,538
Sarawak	70	8,267
FT Labuan	1	295
Malaysia	429	45,180

Source: OHP MOH

INTERVENTION FOR ACTIVE SMOKERS

Following the screening and prevention activities for all categories of student, the primary focus is on providing intervention to the identified smokers and encouraging schoolchildren to at least set a quit date. **Table 8.5** shows the number of primary and secondary school students identified as active smokers who underwent intervention in 2023.

Table 8.5: Students Identified as Active Smokers and Underwent Intervention, 2023

State/ Institution	Primary School		Secondary School	
	Active Smokers	Number of Active Smokers Who Underwent Intervention	Active Smokers	Number of Active Smokers Who Undergone Intervention
Perlis	1	1	234	215
Kedah	24	24	2,598	2,173
Pulau Pinang	2	1	360	227
PPKK & ILKKM	1	0	6	6
Perak	4	1	2,419	2,171
Selangor	45	43	3,656	3,366
FT KL & Putrajaya	3	2	1,320	1,076

State/ Institution	Primary School		Secondary School	
	Active Smokers	Number of Active Smokers Who Underwent Intervention	Active Smokers	Number of Active Smokers Who Undergone Intervention
Negeri Sembilan	2	2	2,034	1,909
Melaka	7	5	1,634	1,284
Johor	33	28	3,908	3,479
Pahang	18	17	3,835	3,421
Kelantan	122	119	5,172	4,787
Terengganu	80	76	4,904	4,604
Sabah	16	9	4,538	3,303
Sarawak	70	45	8,267	5,708
FT Labuan	1	1	295	281
Malaysia	429	374	45,180	38,010

Source: OHP MOH

In 2023, 374 of 429 active smokers among primary schoolchildren (87.18%) had undergone intervention, and 79.68% of them had set a quit date. **(Table 8.6)**

Table 8.6: Primary School Students Who Underwent Intervention and Had Quit Date, 2023

State/ Institution	Active Smokers	Number of Active Smokers Who Underwent Intervention	Had Quit Date	Percentage (%)
Perlis	1	1	1	100.00
Kedah	24	24	20	83.33
Pulau Pinang	2	1	1	100.00
PPKK & ILKKM	1	0	0	0.00
Perak	4	1	1	100.00
Selangor	45	43	25	58.14
FT KL & Putrajaya	3	2	2	100.00
Negeri Sembilan	2	2	1	50.00
Melaka	7	5	5	100.00
Johor	33	28	23	82.14
Pahang	18	17	15	88.24
Kelantan	122	119	102	85.71
Terengganu	80	76	57	75.00
Sabah	16	9	5	55.56
Sarawak	70	45	40	88.89
FT Labuan	1	1	0	0.00
Malaysia	429	374	298	79.68

Source: OHP MOH

SMOKERS AMONG PRIMARY SCHOOLCHILDREN WHO QUIT SMOKING AFTER INTERVENTION

Smokers among primary schoolchildren were monitored after six months of post-smoking intervention. Monitoring is based on cohort of every six months. For the year 2023, smokers

among primary schoolchildren who stopped smoking are shown in **Table 8.7** which shows all smokers among primary schoolchildren in Perlis, FT Kuala Lumpur & Putrajaya, Melaka, and Sabah had stopped smoking habits.

Table 8.7: Smokers among Primary Schoolchildren who Stopped Smoking, 2023

State/ Institution	Number of Active Smokers Who Underwent Intervention	Number of Smokers Stopped Smoking	Percentage (%)
Perlis	1	1	100.00
Kedah	45	21	46.67
Pulau Pinang	20	5	25.00
PPKK & ILKKM	0	0	0.00
Perak	13	12	92.31
Selangor	13	11	84.62
FT KL & Putrajaya	8	8	100.00
Negeri Sembilan	9	8	88.89
Melaka	1	1	100.00
Johor	17	7	41.18
Pahang	10	4	40.00
Kelantan	129	33	25.58
Terengganu	30	10	33.33
Sabah	5	5	100.00
Sarawak	36	1	2.78
FT Labuan	1	0	0.00
Malaysia	338	127	37.57

Source: OHP MOH

IKON GIGI (IGG)

The iGG programme is a volunteer programme introduced to increase community involvement in oral health promotion activities. The main role of iGG is to educate the public on the importance of oral health, which hopefully can increase awareness and self-care in oral health. This empowerment programme utilises the peer-to-peer influence principle in delivering oral health information to the community. From 2016 until 2021, the number of new iGG appointed increased, from 32 to 423, but decreased to 211 in 2022 and increased by just 14 to 225 iGG in 2023 (**Figure 8.9**).

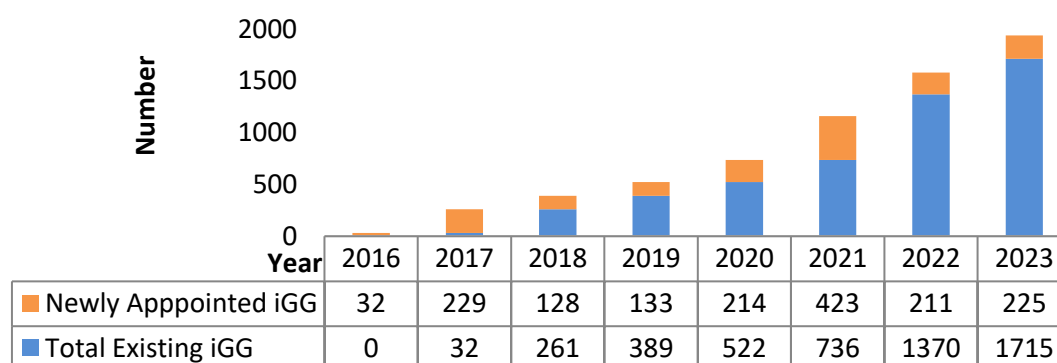


Figure 8.9: Number of iGG, 2016 - 2023

Source: OHP MOH

In 2023, there were 1,715 iGG in total but only 887 were active (51.7%) (**Table 8.8**).

Table 8.8: Number of Active iGG by States, 2023

States	No. of Active iGG	Total No. of iGG
Perlis	18	42
Kedah	112	200
Pulau Pinang	29	59
Perak	82	230
FT KL & Putajaya	21	119
Selangor	75	182
N. Sembilan	71	134
Melaka	45	75
Johor	93	150
Pahang	92	165
Terengganu	48	99
Kelantan	64	89
Sabah	81	94
Sarawak	48	66
FT Labuan	8	11
Malaysia	887	1,715

Source: OHP MOH

In order to ensure the active participation of iGG, the State Oral Health Division actively involves them in oral health promotion initiatives. To monitor the effort by the State Oral Health Division on the involvement of iGG in oral health promotion initiatives, a Key Performance Indicator (KPI) is set. The KPI is "Percentage of Districts/Divisions/Areas/Zones that Carry Out at Least Five Activities Involving the Ikon Gigi (iGG) Within a Year." The KPI successfully met its target ($\geq 75\%$) in 2023 (**Figure 8.10**).

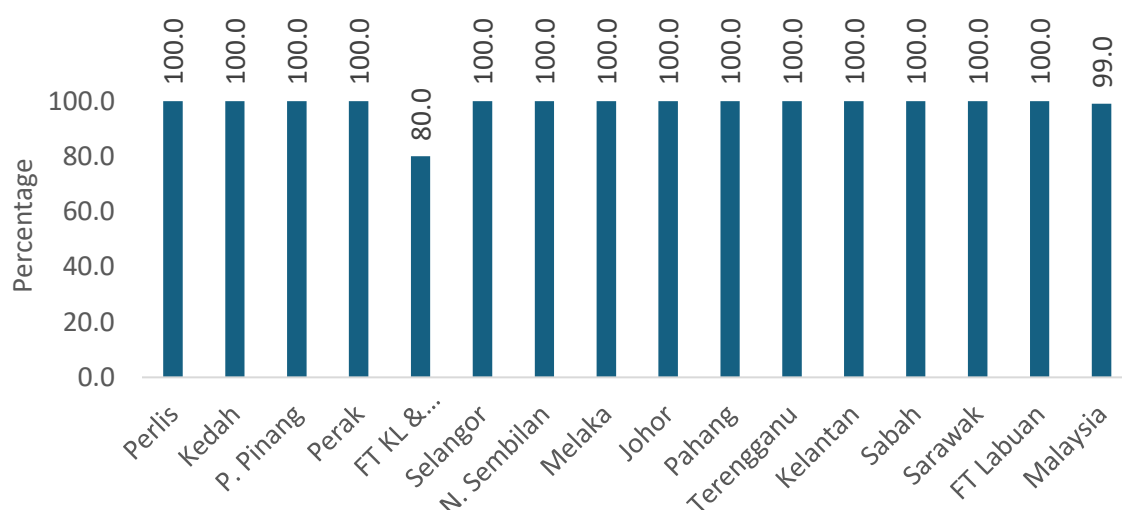


Figure 8.10: Percentage of Districts/ Divisions/ Areas/ Zones that Carry Out at Least Five (5) Activities Involving the Ikon Gigi (iGG) Within a Year, 2023

Source: OHP MOH

KLINIK PERGIGIAN MESRA PROMOSI (KPMP)

KPMP is a selected dental clinic which was modified in order to actively carry out oral health promotion and education activities to improve the patient's oral health status. The aim is to establish dental clinics as centres for promotion, education and prevention of oral diseases. As of December 2023, there are 97 dental clinics with KPMP components in the country (Figure 8.11).

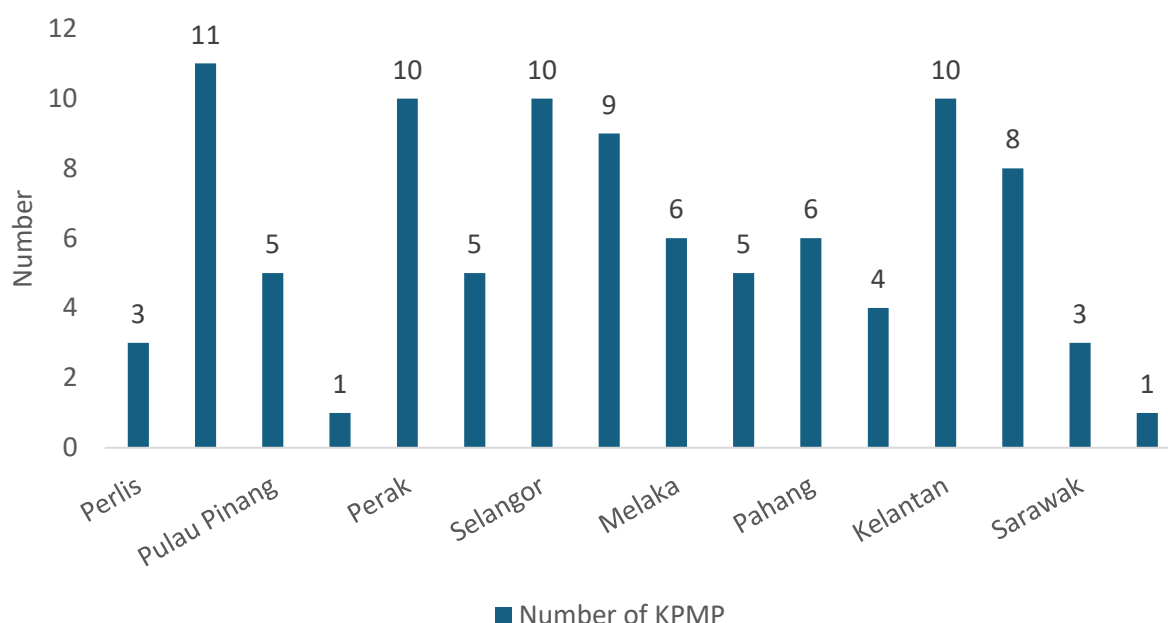


Figure 8.11: Number of KPMP by States, 2023

Source: OHP MOH

TRANSFORMATION WITH ONE SMILE TOGETHER (TW1ST): ORAL HEALTH PROMOTION ACTIVITIES FOR COMMUNITY COLLEGE STUDENTS

The Community College Oral Health Programme, also known as TW1ST, aims to enhance knowledge and awareness of the importance of oral health among students and staff in community colleges throughout Malaysia. TW1ST was launched in September 2017 by YAB Dato' Seri Dr Ahmad Zahid bin Hamidi, Deputy Prime Minister of Malaysia, and the signing 'Memorandum of Understanding' ceremony was held to symbolise the collaboration between the OHP MOH and the Community College Education Department of the Ministry of Higher Education, Malaysia. Community College students are one of the groups of young adults targeted by MOH to ensure the continuity of oral healthcare services from schoolchildren to young adults. Of all 95 community colleges in the country, 94 (99.0%) have been covered in 2023. It is noted that the FT Kuala Lumpur & Putrajaya and FT Labuan do not have community colleges. In 2023, a total of 6,695 activities were conducted, and 33,151 trainee teachers participated in this programme (Table 8.9).

Table 8.9: Number of Activities and Participants in TW1ST Programme, 2023

State/ Institution	No. of Activities	No. of Participants
Perlis	9	990
Kedah	307	2,016
Pulau Pinang	83	1,398
PPKK & ILKKM	0	0
Perak	975	4,563
Selangor	1606	3,989
FT KL & Putrajaya	0	0
Negeri Sembilan	610	2,129
Melaka	639	1,888
Johor	1142	5,129
Pahang	525	4,253
Terengganu	148	1,793
Kelantan	428	2,164
Sabah	184	1,573
Sarawak	39	1,266
FT Labuan	0	0
Malaysia	6,695	33,151

Source: OHP MOH

Number of community colleges covered by state is shown below in **Figure 8.12**.

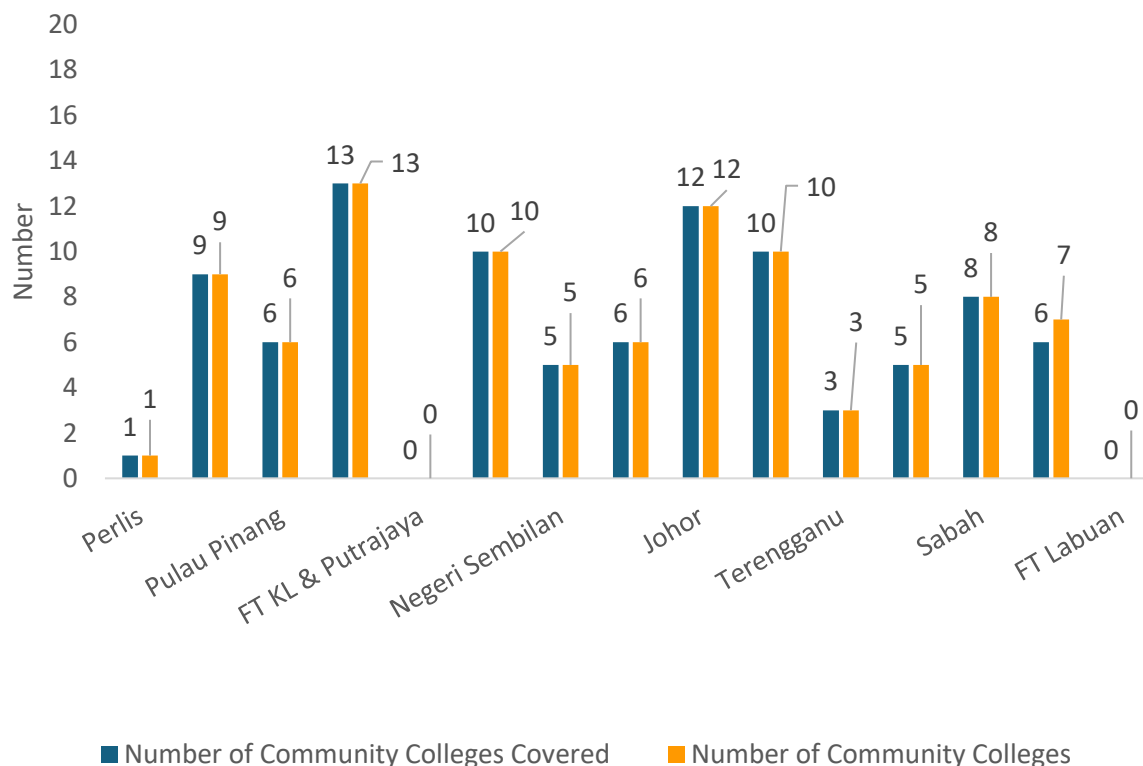


Figure 8.12: Number of Community College Covered by States, 2023

Source: OHP MOH

CELEBRATION OF WORLD ORAL HEALTH DAY (WOHD) 2023 AND LAUNCHING OF THE NATIONAL ORAL HEALTH POLICY

Themed *Be Proud of Your Mouth: Look After Your Oral Health for a Lifetime of Smiles, Laying Foundation for Better Oral Health*, World Oral Health Day (WOHD) was celebrated on 20 March 2023, at Sasana Kijang, Bank Negara Malaysia. The event was officiated by YAB Dato' Sri Haji Fadillah bin Haji Yusof, Deputy Prime Minister and Minister of Agriculture & Commodities, who also launched the National Oral Health Policy. The newly published National Oral Health Policy serves as a framework that unifies all stakeholders and aligns strategies to deliver better dental health services, thereby improving the health and quality of life of the Malaysian population. This celebration received strategic cooperation from various agencies such as the Malaysian Dental Association (MDA), the Health Services Division (Dental Branch) of the Malaysian Armed Forces (ATM), the Malaysian Dental Students' Association (MDSA), the Malaysian Dental Deans' Council, Haleon and Mars Wrigley, who contributed to the success of the program. The event also received media coverage from various television networks, radio stations, and online newspapers.



Image 8.9: The Atmosphere in the Auditorium During the Opening Ceremony



Image 8.10: The Honourable Dato' Sri Haji Fadillah bin Haji Yusof, Deputy Prime Minister, Officiated the Ceremony



Image 8.11: The Honourable Guests Graced the Opening Ceremony



Image 8.12: The Deputy Prime Minister's Interview Session with Media Representatives

ORAL HEALTH PROMOTION ACTIVITIES AT WELLNESS HUB

There are four (4) main thrusts in the ANMS, and the Wellness Hub (WH) is an initiative under Thrust 2. The aim of development of WH is to increase access to wellness facilities and services for the public. WH is managed by the Health Education Division, MOH. Oral health promotion and education activities are encouraged to be held at WH. In 2023, a total of 5,393 activities were conducted at the WH, with a total of 25,809 participants (**Table 8.10**).

Table 8.10: Number of Activities and Participants at the Wellness Hub, 2023

State	No. of Wellness Hub	No. of Activities	No. of Participants
Perlis	1	1,093	2,469
Kedah	2	156	3,102
Pulau Pinang	3	252	865
Perak	1	24	727
Selangor	3	455	1,048
FT KL & Putrajaya	1	2,599	5,861
Negeri Sembilan	2	453	1,140
Melaka	2	25	321
Johor	2	57	1,146
Pahang	2	97	3,626
Terengganu	2	102	4,379
Kelantan	2	46	289
Sabah	4	31	804
Sarawak	1	3	32
FT Labuan	0	0	0
Malaysia	28	5,393	25,809

Source: OHP MOH

ORAL HEALTH PROMOTION ACTIVITIES AT *JELAJAH AGENDA NASIONAL MALAYSIA SIHAT* (ANMS)

The Malaysian National Health Agenda roadshow, known as *Jelajah* ANMS, was launched to promote the ANMS to the public. The OHP MOH was also involved in the roadshow to encourage oral health promotion and education activities, including oral health screenings. In 2023, a total of 731 activities were conducted at 290 *Jelajah* ANMS events with 15,000 participants (**Table 8.11**).

Table 8.11: Number of Activities and Participants at *Jelajah* ANMS, 2023

State	No. of Jelajah ANMS organised by State Health Department	No. of Activities	No. of Participants	No. of Dental Check Up done
Perlis	5	5	745	580
Kedah	26	61	3,104	674
Pulau Pinang	12	35	1,431	827
Perak	18	19	3,610	898
Selangor	56	56	4,573	2,154
FT KL & Putrajaya	1	2	128	68
Negeri Sembilan	57	117	3,574	1,129
Melaka	1	40	1,241	106
Johor	90	190	16,644	4,816
Pahang	1	1	80	21
Terengganu	1	7	3,988	172
Kelantan	1	1	1,228	113
Sabah	10	16	1,081	207
Sarawak	5	175	1,129	387
FT Labuan	5	6	1,293	84
Malaysia	290	731	43,849	12,236

Source: OHP MOH

ORAL HEALTH PROMOTION ACTIVITIES AT *JOM HEBOH!* EVENT

The OHP MOH established collaboration with TV3 Media Prima Sdn. Bhd. by participating in *Jom Heboh!* event in four (4) locations as follows:

- Perkarangan Stadium Shah Alam, Selangor on 2 – 4 June 2023
- Perkarangan Stadium Negeri Pulau Pinang, Batu Kawan on 28 – 30 July 2023
- RTC Tunjong, Kota Bharu, Kelantan on 7 – 9 September 2023
- Dataran Angsana Mall, Johor Bahru Johor on 27 - 29 October 2023

Among the promotional activities done were attractive exhibition, interactive games, dental buskers, puppet shows and rhythmic tooth brushing drills. In total, 36,121 activities were carried out by the states involved, involving 39,549 participants through *Jom Heboh!* events.

Table 8.12 shows details of participants and activities at each event location.

Table 8.12: Number of Activities and Participants at the *Jom Heboh!* Events, 2023

States	No. of Activities	No. of Participants	No. of Participants Underwent Dental Check Up
Johor	16,812	18,039	1,229
Penang	8,394	9,347	953
Selangor	4,787	5,652	856
Kelantan	6,128	6,511	383
Total	36,121	39,549	3,421

Source: OHP MOH

ORAL HEALTH PROMOTION WEEK OR *MINGGU PROMOSI KESIHATAN PERGIGIAN* (MPKP)

The MPKP is an initiative by the OHP MOH to raise awareness of oral health through promotional activities. This initiative was launched in 2018 and involves a week of activities aimed at educating the public about oral health. In 2023, the MPKP with the theme *Mulut Sihat Pilihan Saya* was successfully held from 3 to 9 July 2023. The MPKP was launched by the Minister of Health through MOH Facebook Live on 3 July 2023. The event for the launching was a collaboration between the OHP MOH and the Melaka State Oral Health Division.



Image 8.13: Announcement Poster of the MPKP Launching

Various competitions were held in conjunction with MPKP, such as *Anugerah Kampung Angkat Pergigian Terbaik*, *Battle of Buskers*, *Pertandingan Mencipta Poster*, *Pertandingan Bercerita Kesihatan Pergigian*, *Pertandingan Video Pendek TikTok* and also Virtual Run 50,000 Steps. **Table 8.13** below shows details of events and participants.

Table 8.13: Number of Participants Based on Types of Competitions

Types of Competitions	Category	No. of Participants
<i>Pertandingan Bercerita Kesihatan Pergigian</i>	Primary School (Aged between 7 and 9 years)	449
	Primary School (Aged between 10 and 12 years)	931
<i>Pertandingan Mencipta Poster Kesihatan Pergigian</i>	Secondary School (Aged between 12 and 17 years)	863
<i>Pertandingan Video Pendek TikTok</i>	Public	27
	Dental Personnel in Government or Private Setting including Dental Students	205
	MOH Staff	58
Battle of Buskers	Dental Buskers Group	32
<i>Anugerah Kampung Angkat Pergigian Terbaik</i>	Community	28

Source: OHP MOH

A total of 30,682 activities were carried out during the MPKP, involving 341,727 participants (Table 8.14).

Table 8.14: Number of Activities and Participants in the MPKP According to States, 2023

State	No. of Activities	No. of Participants
Perlis	2,164	8,733
Kedah	2,138	15,501
Pulau Pinang	1,516	26,172
PPKK & ILKKM	28	884
Perak	3,598	28,616
Selangor	743	26,887
FT KL & Putrajaya	2,078	30,188
Negeri Sembilan	1,572	5,437
Melaka	1,295	26,370
Johor	5,757	24,665
Pahang	1,219	28,107
Terengganu	4,336	37,830
Kelantan	791	43,995
Sabah	778	19,827
Sarawak	877	15,741
FT Labuan	1,792	2,774
Malaysia	30,682	341,727

Source: OHP MOH

MyBrushHour2023 Activity

During the MPKP 2023, the MyBrushHour2023 activity took place simultaneously for an hour nationwide on 15 June 2023. This involved live broadcasts via Facebook Live by MOH in collaboration with six states namely Kedah, Kelantan, Selangor, Johor, Sabah and Melaka as hosts. The activity aimed to promote toothbrushing practices as a preventive measure against oral diseases while maintaining optimal oral health. The event successfully engaged 1,225 government and private facilities, with participation from 83,289 individuals nationwide.



Image 8.14: Announcement Poster of MyBrushHour2023 Activity



Image 8.15: Students at the Sekolah Menengah Pendidikan Khas Vokasional Indahpura, Johor Participated in a Toothbrushing Demonstration



Image 8.16: Children Participating in The MyBrushHour2023 Activity



Image 8.17: Members of Malaysian Fire and Rescue Department Performing Mouth Self Examinations

CAMPAIGN FOR ANNUAL DENTAL CHECK-UP OR *KEMPEN PEMERIKSAAN PERGIGIAN SEKURANG-KURANGNYA SEKALI SETAHUN (PEPS1S)*

PEPS1S continued in 2023 to increase the utilisation of oral health services by aiming at specific target groups, namely young adults, adults and the elderly. In total, 1,020,824 activities were carried out nationwide, involving 2,803,991 participants in 2023 (**Table 8.15**).

Table 8.15: Number of Activities and Participants in the PEPS1S Campaign by States, 2023

State	No. of Activities	No. of Participants
Perlis	61,851	144,954
Kedah	43,266	97,328
Pulau Pinang	75,582	253,075
PPKK & ILKKM	2	55
Perak	60,556	178,924
Selangor	44,690	205,501
FT KL & Putrajaya	17,595	193,235
Negeri Sembilan	204,220	337,655
Melaka	20,355	115,495
Johor	281,912	478,237
Pahang	38,869	80,044
Terengganu	24,040	312,267
Kelantan	120,102	343,428
Sabah	465	9,612
Sarawak	479	24,067
FT Labuan	26,840	30,114
Malaysia	1,020,824	2,803,991

Source: OHP MOH

KESIHATAN ORAL DAN AGAMA (KOA)

KOA is a collaborative effort between the OHP MOH and religious institutions in Malaysia. The objective of this programme is to deliver oral health messages through religious activities, increase awareness, and inculcate good oral health practices among the devotees. In 2023, 11,207 activities were conducted, and 73,524 participants were involved (**Table 8.16**).

Table 8.16: Number of Activities and Participants in KOA Programme, 2023

Religion	Total of Activities	Total of Participants
Islam	5,813	44,653
Buddha	2,230	11,668
Hindu	1,032	6,663
Christian	1,500	8,496
Others	632	2,044
Total	11,207	73,524

Source: OHP MOH

ORAL HEALTH PROGRAMME FOR TRAINEE TEACHERS

This oral health promotion initiative is designed for trainee teachers at *Institut Pendidikan Guru Kampus* (IPGK). The objective of the initiative is to empower trainee teachers with good oral health practices so that they can be role models and help to improve students' oral health status. All 26 IPGKs in the country were covered (100%) in 2023. It is noted that the FT Labuan does not have an IPGK (**Figure 8.13**).

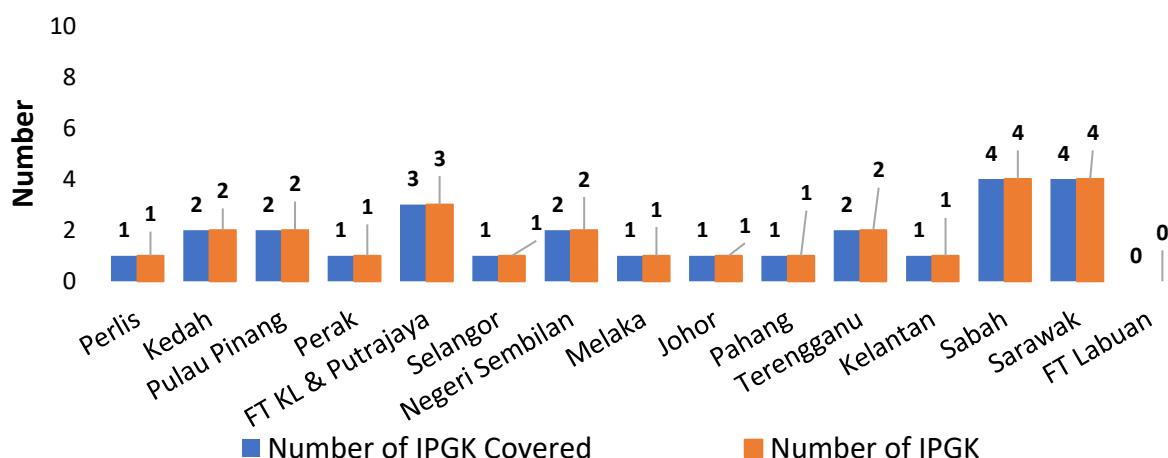


Figure 8.13: Number of *Institut Pendidikan Guru Kampus* (IPGK) Covered by State, 2023

Source: OHP MOH

In 2023, a total of 4,816 activities were conducted with 29,747 trainee teachers (**Table 8.17**).

Table 8.17: Number of Activities and Participants in IPGK Programme by States, 2023

State	No. of Activities	No. of Participants
Perlis	268	1,862
Kedah	114	2,174
Pulau Pinang	18	836
PPKK & ILKKM	0	0
Perak	1,593	5,351
Selangor	536	1,040
FT KL & Putrajaya	107	3,616
Negeri Sembilan	24	1,451
Melaka	272	1,043
Johor	11	3,300
Pahang	4	949
Terengganu	5	1,199
Kelantan	0	0
Sabah	1,533	3,784
Sarawak	331	3,142
FT Labuan	0	0
Malaysia	4,816	29,747

Source: OHP MOH

ORAL HEALTH PROMOTION ACTIVITIES IN SOCIAL MEDIA

Social media quickly emerged as a valuable tool for delivering OHE, as it allows providers to reach a large audience with minimal resources. Among the factors that contributed to the increase in the number of followers were the regular publication of OHE materials and the launch of virtual events. As people spent more time online, they were more likely to come across OHE content and follow OHE accounts. This can be observed when there was a significant increase in the number of followers on both official OHP MOH Facebook and Instagram from 19,968 and 1,208 in 2019 to 34,598 and 6,432, respectively in 2023 (**Figure 8.14**).

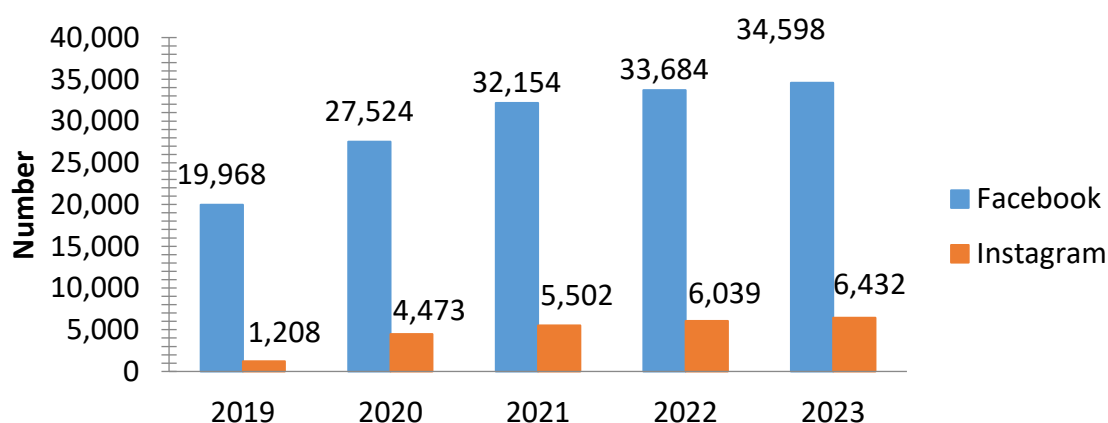


Figure 8.14: Achievement Trend in the Number of Follower

Source: OHP MOH

The total number of oral health education materials produced and uploaded at the national level in 2023 is shown in **Table 8.18** below.

Table 8.18 Number of OHE Materials Produced and Uploaded, 2023

Types of OHE Material	Number of OHE Materials
Poster/ Infographic	67
Short Video	54
Festive Greetings	17
Total	138

Source: OHP MOH

The Oral Health Division in each state also has its own social media account, and the number of OHE materials disseminated throughout the year is shown below in **Figure 8.15**, involving 555 materials in total.

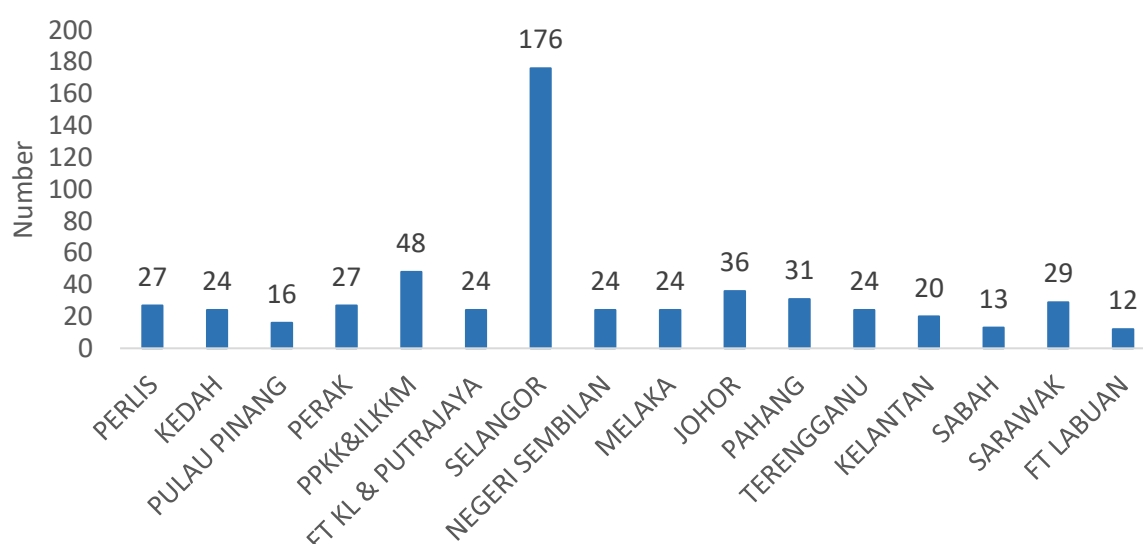


Figure 8.15: Number of OHE Materials Disseminated through Official State Oral Health Division Social Media Accounts

Source: OHP MOH

PRIMARY ORAL HEALTHCARE SECTION

*Penjagaan kesihatan pergigian perkhidmatan diberi
Oleh anggota dengan penuh dedikasi
Kolaborasi bersama hala tuju terkini
Kesihatan rakyat Malaysia keutamaan kami*



From left to right :

Seated: Dr. Sofiah binti Mat Ripen UG56, Dr. Lily Laura binti Azmi UG54

Standing: Dr. Siti Masnira binti Jamian UG54, Ms. Noormalia binti Harun U36

PRIMARY ORAL HEALTHCARE

The OHP MOH is committed in providing equal access to oral healthcare for all Malaysians, regardless of their age, socioeconomic status, or special needs. The OHP MOH provides a range of services to all age groups, including:

- i. Infants and children (0 to 4 years old)
- ii. Preschool children (5 to 6 years old)
- iii. School children (7 to 17 years old)
- iv. Special needs population
- v. Antenatal mothers
- vi. Adults (18 to 59 years old)
- vii. The elderly (60 years and above)

In line with technological advancements, dental information management systems have been upgraded whereby the patient's data and workload of dental personnel are reported through Gi-RET 2.0 system. This system enables reports to be generated at various levels with real-time access to data and was fully implemented in all primary oral healthcare settings starting in 2023. Overall, there was an increment in the utilisation of primary oral healthcare services in MOH from 2022 until 2023.

Figure 9.1 shows the number of patients who have used the MOH's primary oral healthcare services over the years, by target group. The number of patients utilising MOH's primary oral healthcare services has increased steadily over the years. This is likely due to a number of factors, including increased awareness of the importance of oral health, improved access to dental care, and the expansion of OHP MOH.

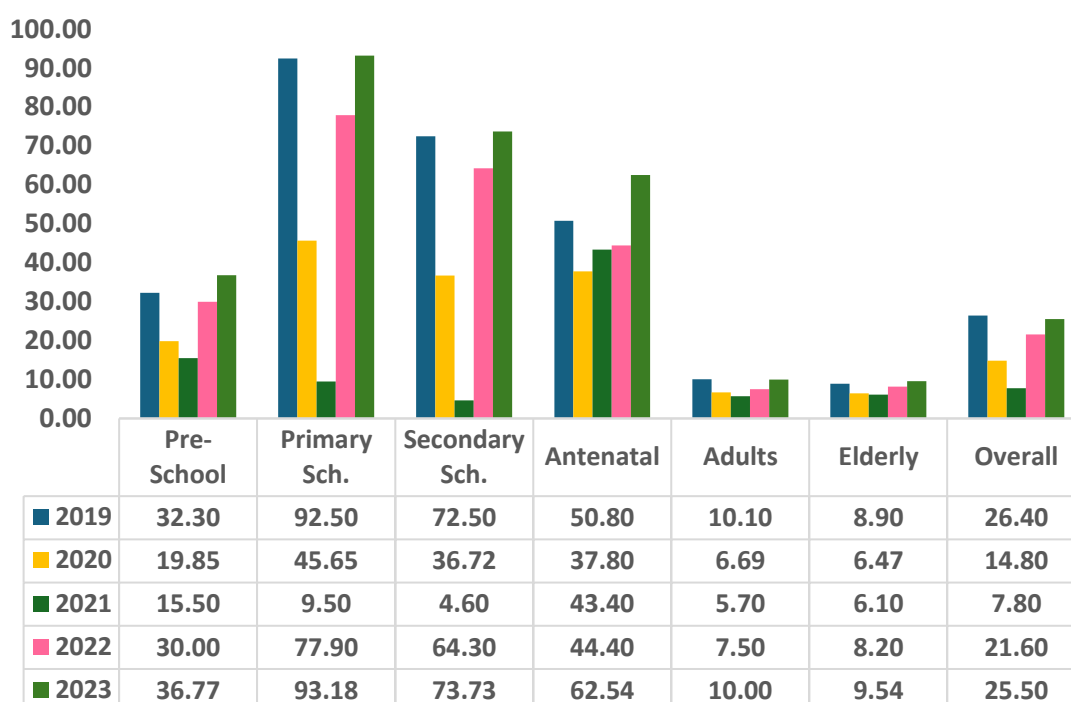


Figure 9.1: Percentage Utilisation of Primary Oral Healthcare Services, MOH 2019 - 2023

Source: PG211 Rekod Kehadiran Bulanan Pesakit Warganegara/ Bukan Warganegara, 2023

Table 9.1 shows the number of patients who utilised the OHP MOH's primary oral healthcare services by target group from 2019 to 2023.

Table 9.1: Utilisation of Primary Oral Healthcare by Category of Patients, 2019 - 2023

Year	Preschool	Primary School	Secondary School	Antenatal	Adults	Elderly	Overall
2019	1,218,595	2,890,267	1,948,194	272,179	2,036,601	317,007	8,523,311
2020	710,199	1,376,852	974,604	189,687	1,331,228	226,471	4,847,085
2021	553,704	287,975	121,466	217,691	1,133,934	212,200	2,541,346
2022	1,027,332	2,433,888	1,579,868	212,031	1,441,410	287,423	7,047,808
2023	1,243,208	2,900,879	1,946,615	232,054	2,046,727	359,535	8,496,964

Note: Preschool refers to 0 to 6 years old

Source: PG211 Rekod Kehadiran Bulanan Pesakit Warganegara/ Bukan Warganegara, 2023

EARLY CHILDHOOD ORAL HEALTHCARE FOR TODDLERS

In 2023, a total of 485,003 toddlers (20.6%) received primary oral healthcare services, which is an increase of 4.0% from 2022 as shown in **Table 9.2**. One of the services provided was the cursory examination of toddlers' oral health cavity using the 'lift-the-lip' technique. These services were provided in settings such as childcare centres and Maternal and Child Health Clinics.

Table 9.2: Coverage of Toddlers, 2019 - 2023

Year	Toddlers Estimated Population (0-4 Years Old)	No. of Toddler Seen	Percentage of Toddler Seen (%)
2019	2,729,700	476,934	17.47
2020	2,542,000	285,951	11.25
2021	2,542,000	344,236	13.54
2022	2,387,300	396,968	16.63
2023	2,345,800	485,003	20.68

Source: TOD 02 Pin. 1/2022 Laporan Bulanan Hasil Kerja Pegawai Pergigian dan Jururawat Pergigian bagi Toddler, 2023

This increment was also contributed by the collaboration initiative between MOH with external agencies and stakeholders which started in 2021 with the aim to improve oral healthcare in toddlers. Various agencies were engaged throughout the implementation, including private dental practitioners, the Malaysian Dental Association, public and private universities, the Social Welfare Department, Persatuan Pengasuh TASKA, the Malaysian Armed Forces and industry players (**Image 9.1** and **Image 9.2**).

Garis Panduan Perkhidmatan Kesihatan Pergigian Toddler: Kolaborasi Bersama Agensi Luar (G-TOD) is the guidelines to outline the roles and responsibilities of all stakeholders, and it provides a framework for the delivery of high-quality oral healthcare to toddlers.



Image 9.1: Dental Practitioner Visit to a Private TASKA



Image 9.2: Johor Toddler Oral Health Festival on 24 October 2023 – To engage more external agencies to collaborate in G-TOD programme

In 2023, 186 external agencies engaged with state Oral Health Divisions to be trained and discuss the best way to implement this initiative to improve the oral healthcare of toddlers. Of these, 124 agencies completed the biannual visits to private TASKA and this was a significant increase from the year 2022 (47 agencies).

Perlis had the highest number of toddlers covered in 2023, with 44.2% of toddlers in the state receiving oral healthcare services and followed by Pahang, with 43.0% of toddlers in the state receiving dental treatment (**Figure 9.2**).

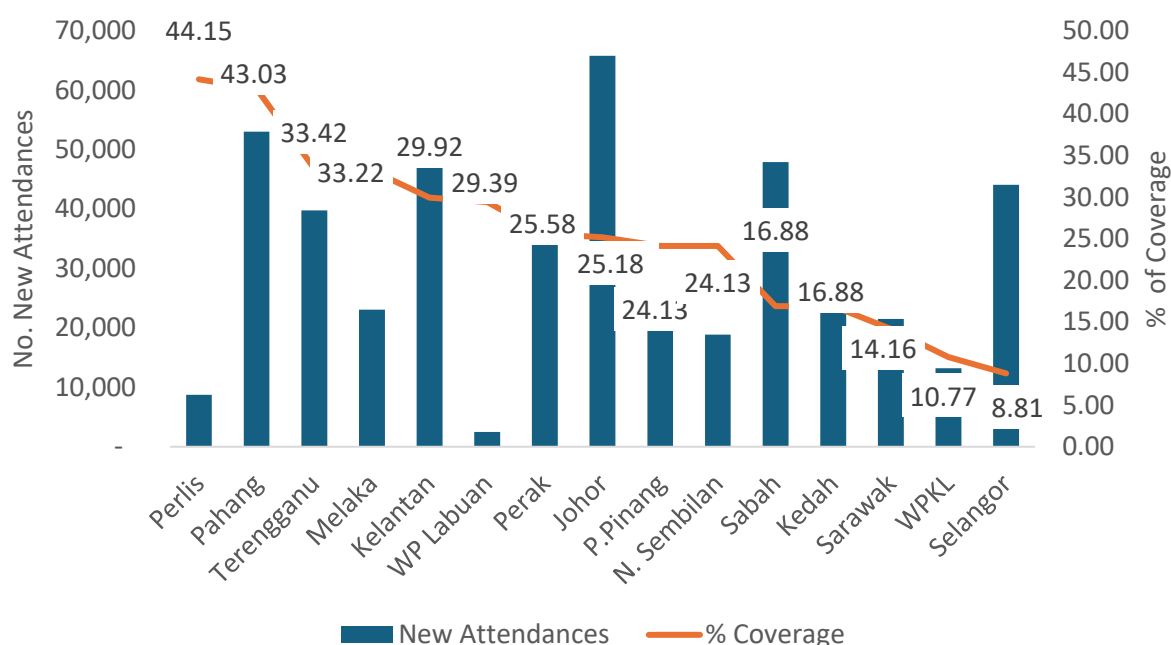


Figure 9.2 Toddlers Receiving Primary Oral Healthcare by State, 2023

Source: TOD 02 Pin. 1/2022 Laporan Bulanan Hasil Kerja Pegawai Pergigian dan Jururawat Pergigian bagi Toddler, 2023

The public private partnership initiative is a positive step towards improving oral healthcare for toddlers in Malaysia. The initiative is expected to continue to make a positive impact on oral health status, thereby improving the quality of life of the future population.

ORAL HEALTHCARE FOR ANTENATAL MOTHERS

Oral healthcare providers continue to place efforts and implement strategies to enhance knowledge and awareness among antenatal mothers regarding the importance of oral healthcare. Continuous referrals from Maternal and Child Health Clinics and health clinics ensured that all antenatal mothers receive oral health examination and education during antenatal period. As they are considered as agents of change, they should receive essential oral health awareness and be rendered orally-fit. In 2023, there was a slight decrease in the number of antenatal mothers receiving oral healthcare services (**Figure 9.3**). This decrease was due to the updated definition on new attendance of antenatal mother's which was aligned with medical counterparts.

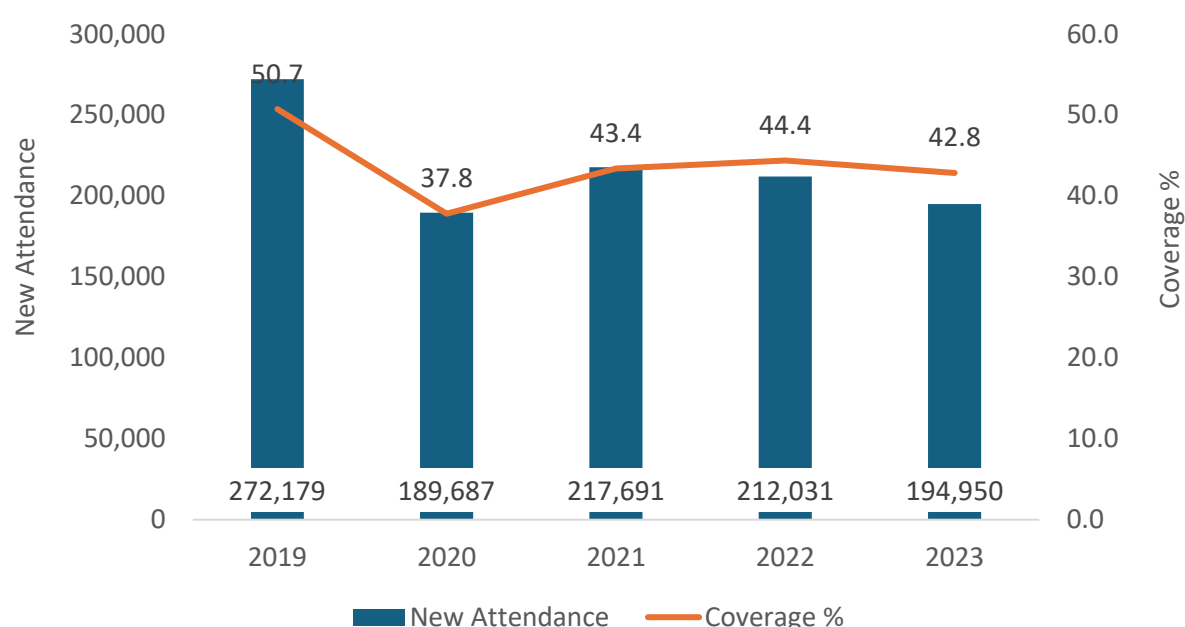


Figure 9.3: Coverage of Antenatal Mothers, 2019 - 2023

Source: 1. PG207 Laporan Bulanan Hasil Kerja Pegawai Pergigian Bagi Rawatan Am /Ibu Mengandung, 2023
2. Estimated Antenatal Population from Health Informatic Centre, MOH, 2023

Among states, Pahang had the highest coverage of antenatal mothers, with 61.5% received oral healthcare, followed by Johore with 56.9% of coverage (**Figure 9.4**).

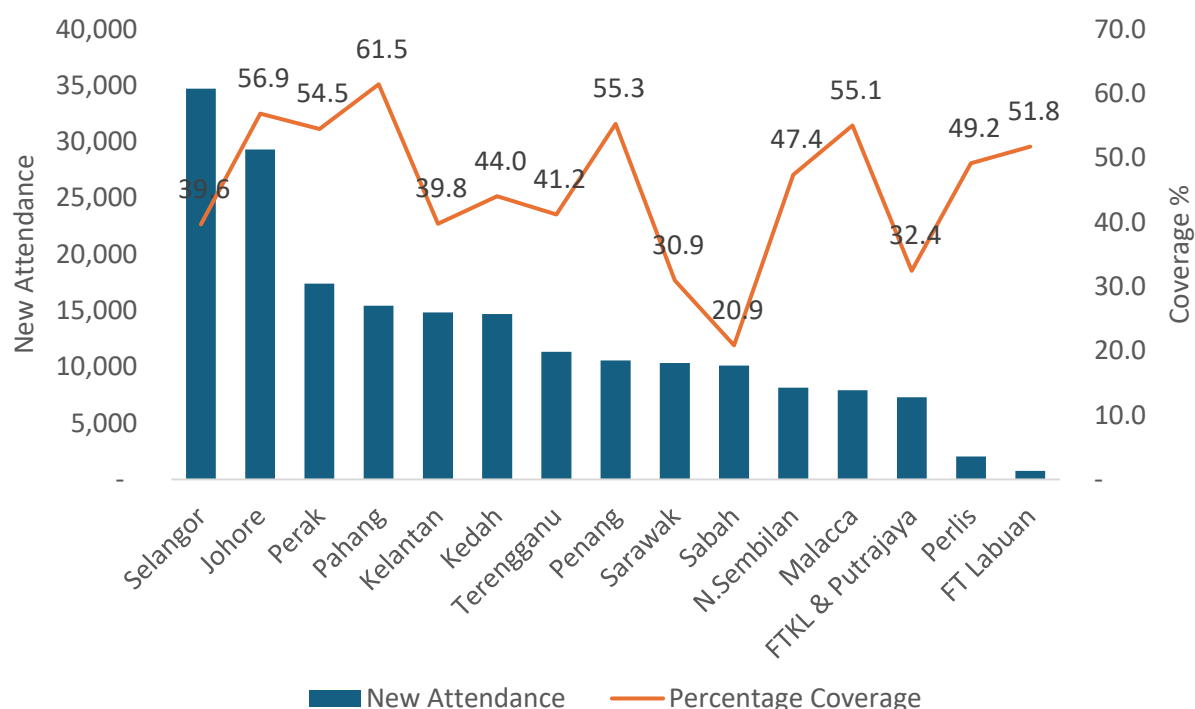


Figure 9.4: Antenatal Mothers Receiving Primary Oral Healthcare by State, 2023

Source: 1. PG207 Laporan Bulanan Hasil Kerja Pegawai Pergigian Bagi Rawatan Am /Ibu Mengandung, 2023
2. Estimated Antenatal Population from Health Informatic Centre, MOH, 2023

ORAL HEALTHCARE FOR ADULTS (18 TO 59 YEARS OLD)

Majority adults received oral healthcare service through outpatient service in dental clinics, as promoted in *Pemeriksaan Pergigian Sekurang-Kurangnya Sekali Setahun* dan *Ingat Hari Jadi, Ingat Doktor Gigi* campaign. In 2023, trend shows a further increase of adult patients receiving oral healthcare services (9.8% of the total adult population), which could be translated as increased oral health awareness among the adult population (**Figure 9.5**).

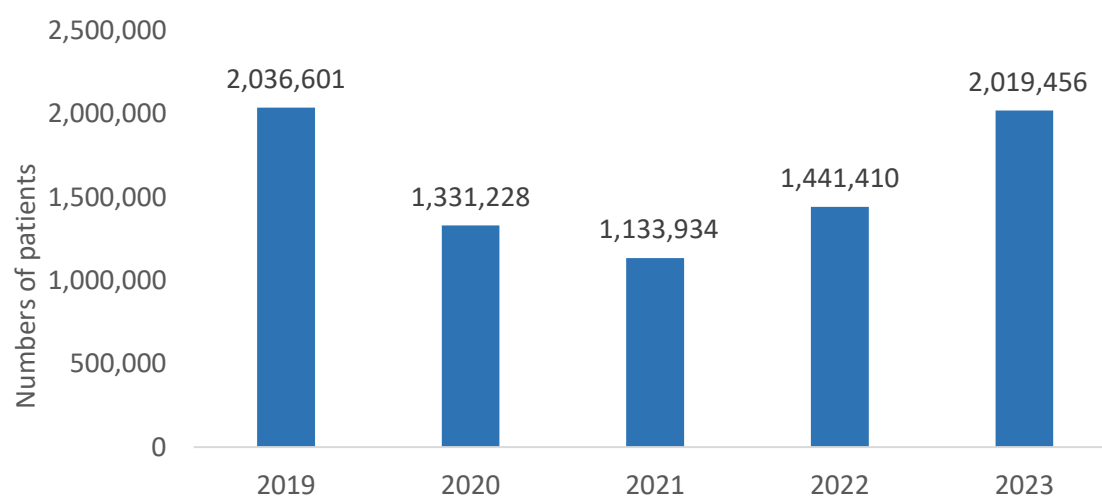


Figure 9.5: Adults Receiving Primary Oral Healthcare, 2019 - 2023

Source: PG207 Laporan Bulanan Hasil Kerja Pegawai Pergigian, 2023

During the first oral health examination, adults above 18 years old were screened for periodontal health status using Basic Periodontal Examination (BPE) tools for early detection of periodontal disease. This intervention started in 2018 as one of the efforts to preserve the teeth, thus ensuring their quality of life is sustained. In 2023, among adults screened for BPE, the highest score was 2, indicating gingival bleeding with presence of calculus (**Figure 9.6**). Patients with BPE scores 1 and 2 were managed accordingly in primary dental clinics through, oral health education, diet counselling, and scaling with polishing, whereby patients with scores 3 and 4 will be referred to specialist oral healthcare clinics as they require intensive periodontal care.

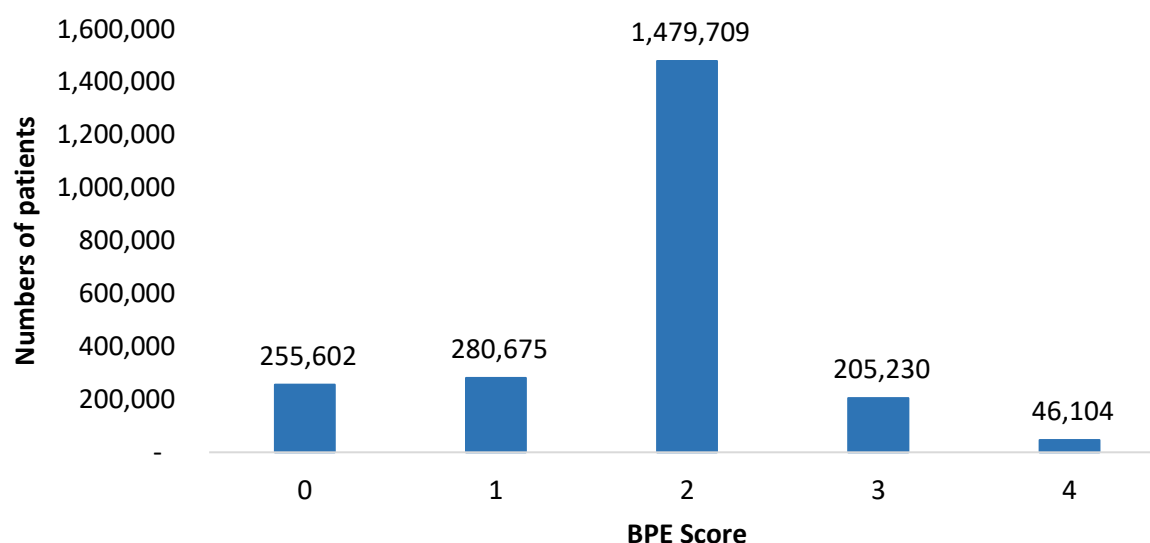


Figure 9.6 Adults Screened for Periodontal Health Status using BPE, 2023

Source: Reten Bulanan Untuk Basic Periodontal Examination (BPE) Dan Pencartaan Poket Implan

KLINIK PERGIGIAN ENDODONTIK PRIMER (KEPP)

Klinik Pergigian Endodontik Primer (KEPP) is an extension of the primary oral healthcare service that was established in 2012 to reduce the number of endodontic case referrals from primary dental clinics to restorative specialist clinics. KEPPs are staffed by trained dental officers who can manage non-complex endodontic cases referred by the primary dental clinics using rotary instruments. In 2023, a total of 57 KEPPs are operating with 1,709 completed endodontic cases including retreatment (**Table 9.3**).

Table 9.3: Completed Endodontic Cases in KEPP, 2019 - 2023

Year	Number of Completed Endodontic Cases				Total Cases
	Anterior	Premolar	Molar	Retreatment	
2019	578	459	1,762	63	2,862
2020	269	235	741	15	1,245
2021	409	367	1,349	36	2,125
2022	526	473	1,522	52	2,573
2023	271	303	1,081	54	1,709

Source: Laporan Perkhidmatan Pergigian Endodontik di KP Primer, 2023

ORAL HEALTHCARE FOR THE ELDERLY

In 2023, 359,980 (9.6%) of the elderly population received MOH primary oral healthcare services, which shows the trend increasing (**Figure 9.7**).

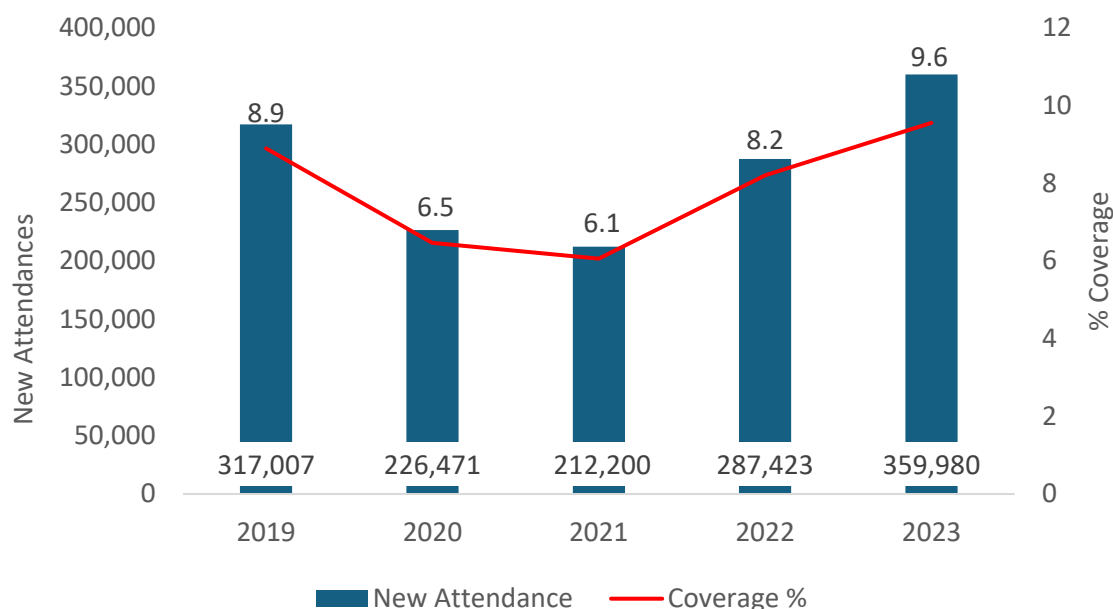


Figure 9.7: Elderly Population Receiving Primary Oral Healthcare, 2019 - 2023

Source: PG 214 Laporan Bulanan Pesakit Baru Warga Emas Warganegara Dan Bukan Warganegara

Perlis has the highest coverage of the elderly, with 19.2% of the elderly population receiving oral healthcare services, followed by Malacca (16.7%) and Negeri Sembilan (15.8%), as shown in **Figure 9.8**.

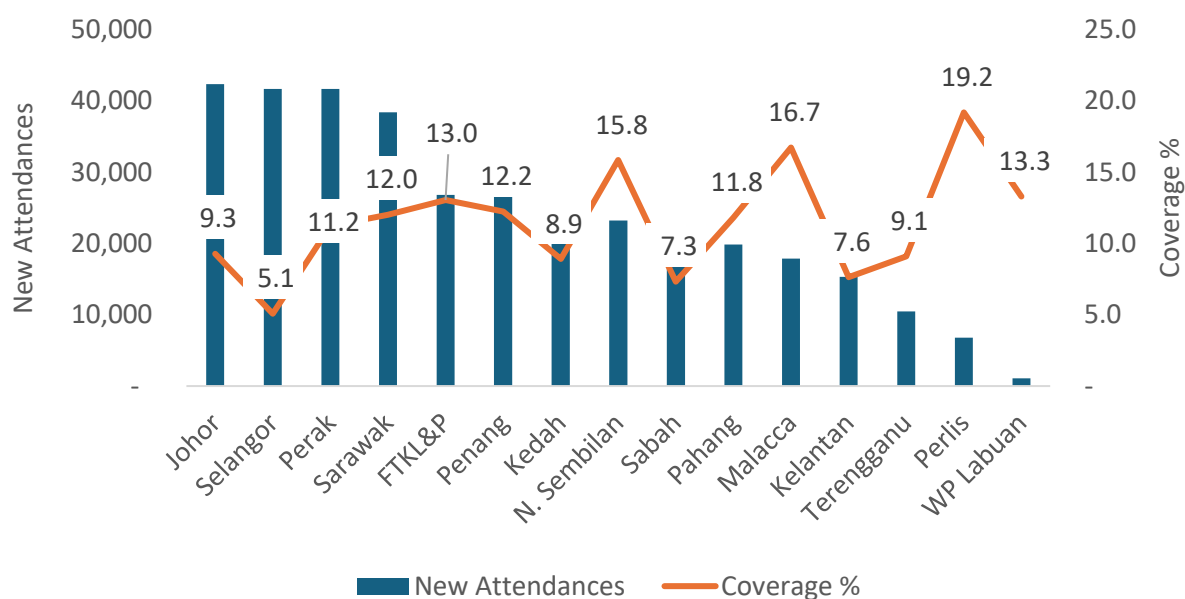


Figure 9.8: Elderly Population Receiving Primary Oral Healthcare by State, 2023

Source: PG 214 Laporan Bulanan Pesakit Baru Warga Emas Warganegara Dan Bukan Warganegara

In 2023, the oral health status of elderly patients remains unsatisfactory, even as population coverage increases by years. There is no significant change in the average number of teeth present while the percentage of edentulous teeth has slightly increased from previous years (**Table 9.4**). Only 31.7% of elderly people (aged 60 and above) have 20 or more teeth, and the percentage shows a further decrease as the age increases (**Figure 9.9**). The National Oral Health Strategic Plan 2022-2030 has set a target of at least 50% of elderly people aged 60 and above having 20 or more teeth by 2030. This target is hoped to be achieved through a number of initiatives, including increased access to dental care, education about oral health, and support for preventive measures.

Table 9.4: Oral Health Status of the Elderly, 2019 to 2023

Age Group (Years)	Average No. of Teeth Present					Edentulous (%)				
	2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
60	16.3	16.1	16.3	16.3	14.2	7.1	6.7	6.7	7.1	21.9
65	14.7	14.6	14.4	14.5	13.8	9.3	9.1	9.4	9.9	16.2
75 and above	10.8	10.6	10.8	10.4	10.0	19.4	18.8	18.0	19.7	24.7

Source: PG 214 Laporan Bulanan Pesakit Baru Warga Emas Warganegara Dan Bukan Warganegara

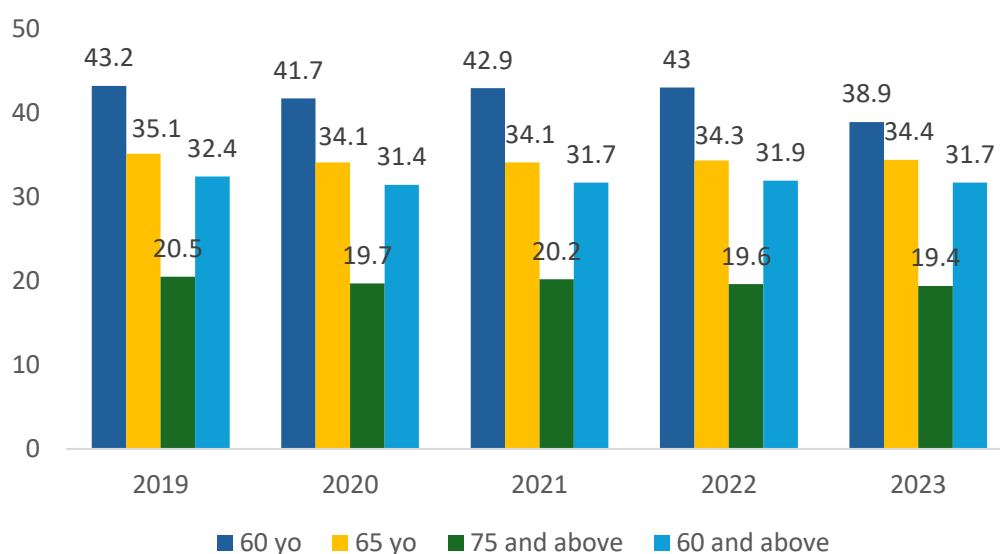


Figure 9.9: Percentage of Elderly with More Than 20 Teeth, 2023

Source: PG 214 Laporan Bulanan Pesakit Baru Warga Emas Warganegara Dan Bukan Warganegara

WORKLOAD OF DENTAL HEALTHCARE PROVIDERS

In line with technological advancements, dental information management systems have also been upgraded, whereby the information required are reported through the Gi-RET 2.0 system. This system enables reports generated at various levels and real-time access to data. Report format has also been improved with oral health status of patients and data on the workload of dental providers to monitor performance and to plan for future improvements in

the oral healthcare delivery system. The following were some of the basic dental procedures carried out by dental officers and dental therapists in 2023 (**Table 9.5**).

Table 9.5: Workload of Dental Officers and Dental Therapists by Dental Procedure, 2023

Dental Procedure	Dental Officer	Dental Therapist	Total
Fissure Sealant	90,063	163,959	254,022
Fluoride Varnish	16,122	363,288	379,410
Restoration	1,807,732	1,236,406	3,044,138
Scaling	1,061,221	256,068	1,317,289
Periodontal Cases	2,784	NA	2,784
Tooth Extraction	1,542,357	360,829	1,903,186
Surgical Tooth Extraction include minor oral surgery	24,630	NA	24,630
Abscess Management	90,162	NA	90,162
Endodontic	21,365	NA	21,365
Crown & Bridges	481	NA	481
Partial Denture	88,518	NA	88,518
Full Denture	68,810	NA	68,810
Total	4,814,245	2,380,550	7,194,795

Source: 1. PG 207 Laporan Bulanan Individu/Klinik/Daerah/ Negeri Hasil Kerja Pegawai Pergigian, 2023
2. PG 206 Laporan Bulanan Individu/Klinik/Daerah/Negeri Hasil Kerja Juruterapi Pergigian, 2023

In conclusion, overall achievement of primary oral healthcare services increased in 2023, except for a certain target group. Oral Health Programme is committed to improve the quality of service delivery in line with the Health White Paper to reform the nation's health system in order to respond to the nation's health challenges and to ensure greater equitability, sustainability and resilience of the health system.

SPECIALIST ORAL HEALTHCARE SECTION

*Berganding tangan dengan si dia
Ke taman bunga si rama-rama
Dengan Pakar Pergigian kami setia
Setiap cabaran ditempuhi bersama*



From left to right :

Ms. Umi Khairul binti Abdul Kadir U32, Dr. Rapeah binti Mohd Yassin UG56,

Dr. Navissha Devi a/p Thivyakumar UG52, Dr. Nurul Hayati binti Dato' Hj.

Anwar UG54, Dr. Azwani Hanim binti Ghazali UG54

SPECIALIST ORAL HEALTHCARE

DENTAL SPECIALIST SERVICES IN THE MOH

The Ministry of Health (MOH) Malaysia has nine (9) dental specialties, categorized into Hospital Based and Non-Hospital Based Dental Specialties. In 2023, there were 475 dental specialists within the MOH Malaysia (**Table 10.1**).

Table 10.1: Number of Dental Specialists in MOH, 2017-2023

Specialty	2017	2018	2019	2020	2021	2022	2023
Hospital Based Dental Specialties							
Oral and Maxillofacial Surgery	75	77	81	84	90	99	106
Paediatric Dentistry	38	45	46	49	54	58	60
Oral Pathology and Oral Medicine	15	14	15	15	17	19	19
Special Care Dentistry	4	5	6	7	7	7	8
Forensic Dentistry	1	1	2	3	3	3	6
Non-Hospital Based Dental Specialties							
Orthodontics	64	69	70	80	81	90	89
Periodontics	36	42	44	49	58	67	73
Restorative Dentistry	28	31	37	40	46	49	48
Dental Public Health	90	85	80	72	71	70	66
Total	351	369	381	399	427	462	475

Note: Not inclusive of specialist undergoing gazettement and Contract Dental Specialist

Source: OHP MOH, 2023

Specialist services were mapped to ensure specialists were distributed appropriately based on needs, available posts, and facilities, as well as to identify future training requirements. In 2023, the expansion of four dental specialties was implemented across five dental facilities (**Table 10.2**).

Table 10.2: New Dental Specialty Services Established in 2023

Specialty	Facility
Oral and Maxillofacial Surgery (OMFS)	Pusat Jantung Sarawak
Special Care Dentistry (SCD)	Pusat Jantung Sarawak
Forensic Dentistry (FOD)	Hospital Tengku Ampuan Afzan, Pahang
Orthodontics (ORTHO)	Klinik Pergigian Kuah, Langkawi Klinik Pergigian Labuan

Source: OHP MOH, 2023

DENTAL SPECIALIST MEETINGS

The Dental Specialist Meetings are organized annually involving all nine (9) specialty disciplines to discuss their annual plan of action, achievements, current issues pertaining to each specialty, key performance indicators and patient safety indicators. In 2023, three (3) Dental Specialist Meetings were held virtually and physically (**Table 10.3**).

Table 10.3: Dental Specialist Meetings Organized in 2023

Meetings	Date
Non-Hospital Based Dental Specialist Meeting	16 March 2023
Hospital Based Dental Specialist Meeting	13 February 2023
Multidisciplinary Dental Specialist (MDS) Meeting	10-11 July 2023

Source: OHP MOH, 2023

HOSPITAL BASED DENTAL SPECIALTIES

ORAL AND MAXILLOFACIAL SURGERY (OMFS)

In 2023, both the number of new patients and total attendance have increased compared to 2022. The number of new patients increased from 97,531 in 2022 to 114,242 in 2023. This represents an increase of 16,711 patients, or about 17.13%. The total attendance rose significantly from 300,653 in 2022 to 349,318 in 2023. This is an increase of 48,665 patients, or approximately 16.19% (**Figure 10.1**).

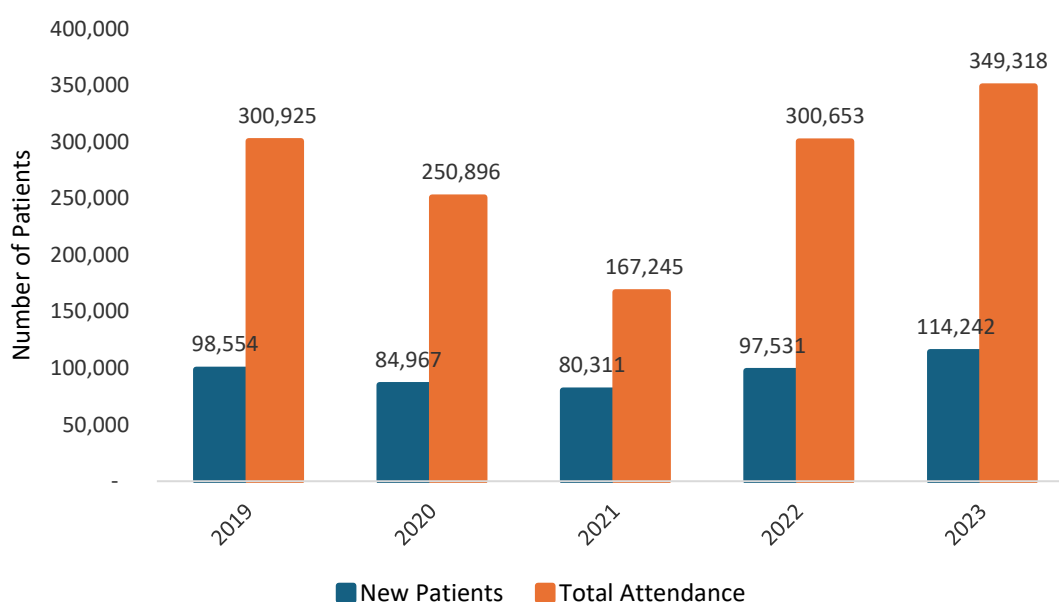


Figure 10.1: Number of Patients Seen by Oral and Maxillofacial Surgery, 2019-2023

Source: OHP MOH, 2023

In 2023, there was a significant increase in the type of cases seen by OMFS specialty compared to previous years. Benign cases jumped to 1,580 from 970 in 2022. Malignant cases saw a dramatic rise to 2,978, up from 564 in 2022. Other pathological cases also surged, reaching 85,745, a substantial increase from 56,917 in 2022. Trauma cases experienced a notable rise, hitting 61,980 compared to 35,302 in 2022. This year-to-year comparison highlights 2023 as a year of remarkable growth in all categories, indicating a significant increase in the overall number of cases managed, with malignant and other pathological cases showing particularly steep increases (**Figure 10.2**). New and total attendances of OMFS by states in 2023 are shown in **Table 10.4**.

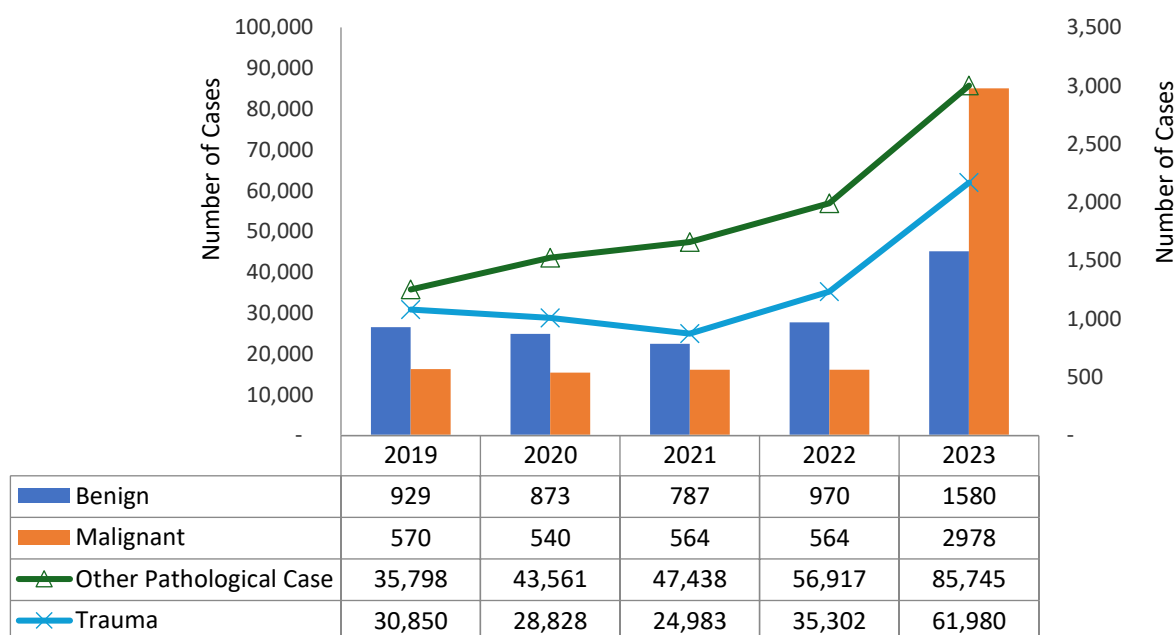


Figure 10.2: Type of Cases Seen by Oral and Maxillofacial Surgery, 2019-2023

Source: OHP MOH, 2023

Table 10.4: New Patients and Total Attendances of Oral & Maxillofacial Surgery, 2023

State	New Patients	Total Attendance
Perlis	1,697	6,739
Kedah	7,796	21,823
Pulau Pinang	8,179	21,038
Perak	7,997	26,160
Selangor	22,944	79,247
FT KL & Putrajaya*	9,366	27,698
Negeri Sembilan	4,582	11,435
Melaka	4,022	11,221
Johor	16,577	55,042
Pahang	5,568	16,982
Terengganu	3,530	9,221
Kelantan	5,098	13,733
Sabah	7,011	23,460
Sarawak	9,817	25,455
FT Labuan	58	64
Total	114,242	349,318

Note: * Includes data from National Cancer Institute, Ministry of Health

Source: OHP MOH, 2023

The four (4) main treatments performed by OMFS include minor oral surgeries, trauma management, major oral surgeries and insertion of implants. The focus on 2023 reveals a significant rise in trauma cases (71.66%) and major oral surgery cases (72.07%) (**Figure 10.3**).

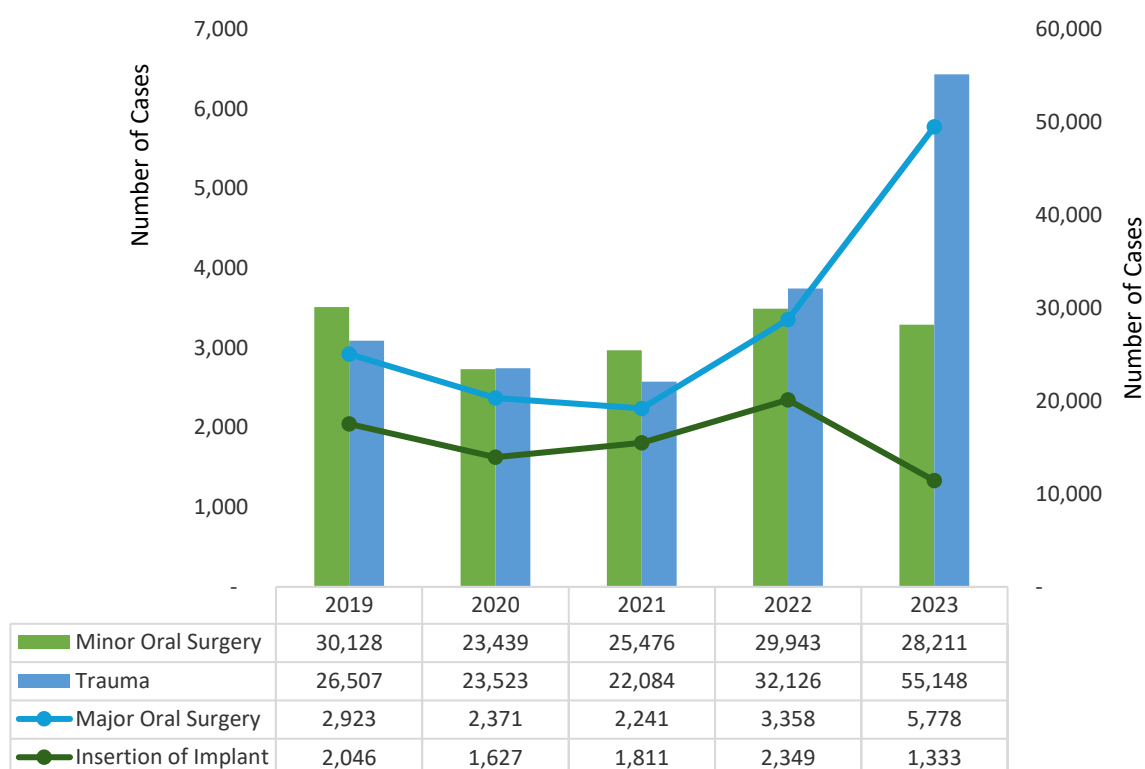


Figure 10.3: Number of Treatments Performed by Oral and Maxillofacial Surgery, 2019-2023

Source: OHP MOH, 2023

ORAL AND MAXILLOFACIAL SURGERY (OMFS) CLUSTER SERVICES

The OMFS cluster services was implemented since 2019 in Hospital Batu Gajah (Perak), Hospital Alor Gajah and Hospital Jasin (Melaka), Hospital Mersing (Johor) dan Hospital Semporna and Hospital Kunak (Sabah). However, in 2023 the cluster service at Hospital Alor Gajah was discontinued due to upgrading project of operation theatre. There are three (3) additional new OMFS cluster services starting in 2023 in which the non-lead hospitals are Hospital Kuala Kangsar, Hospital Parit Buntar in Perak and Klinik Pergigian Guar Cempedak in Kedah. Overall, in 2023, the number of patients seen in these hospitals increased within the range of 3.0 % to 204.0% compared to year 2022. The highest number of patients seen was at Hospital Kuala Kangsar (872) followed by Hospital Bukit Mertajam (710) and KP Guar Cempedak in Kedah (259) (**Figure 10.4**).

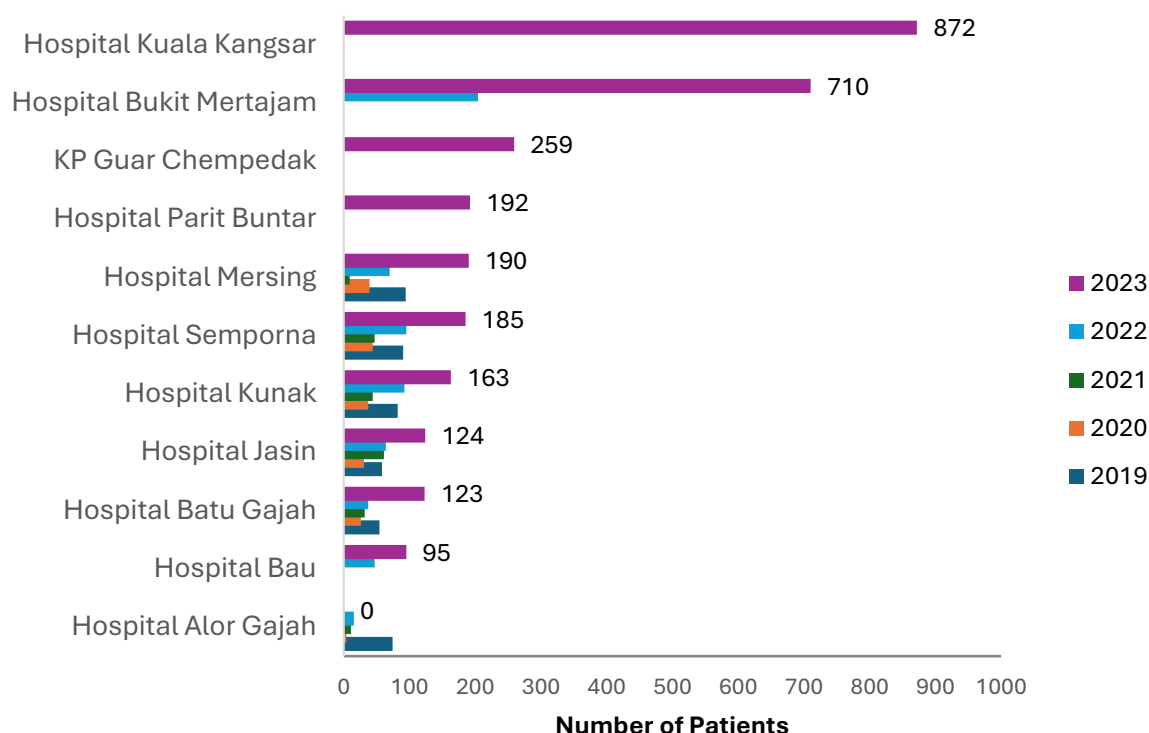


Figure 10.4: Number of Patients Seen from Oral and Maxillofacial Surgery Cluster Service, 2019-2023

Source: OHP MOH, 2023

PAEDIATRIC DENTISTRY (PDEN)

In 2023, the total attendance for PDEN, which treats children under 17, rose by 22.14% to 157,342 from the previous year, as illustrated in **Figure 10.5**. **Table 10.5** details the new and total attendances for PDEN by state. The number of new patients seen also increased by 22.14% from 2022 to 2023.

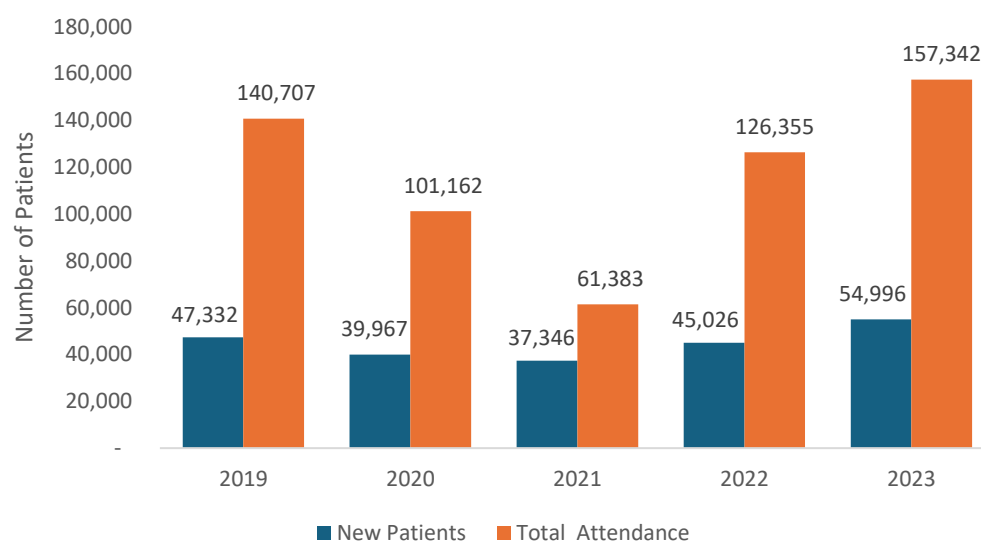


Figure 10.5: Number of Patients Seen by Paediatric Dentistry, 2019-2023

Source: OHP MOH, 2023

Table 10.5: New Patients and Total Attendances of Paediatric Dentistry, 2023

State	New Patients	Total Attendance
Perlis	883	2,768
Kedah	3,336	8,543
Pulau Pinang	2,426	6,520
Perak	6,225	18,850
Selangor	10,936	31,193
FT KL & Putrajaya	3,326	8,452
Negeri Sembilan	1,730	5,109
Melaka	2,018	5,142
Johor	5,884	17,440
Pahang	3,216	10,381
Terengganu	1,956	5,359
Kelantan	3,438	8,948
Sabah	6,383	19,106
Sarawak	3,239	9,532
Total	54,996	157,342

Source: OHP MOH, 2023

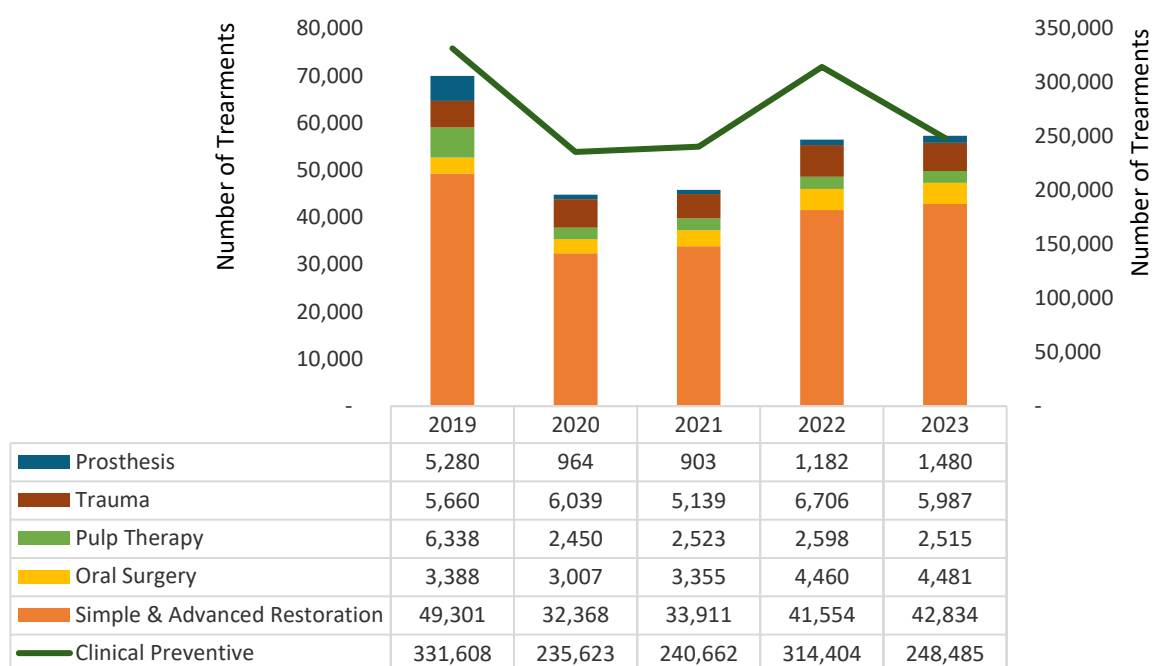


Figure 10.6: Treatment Rendered by Paediatric Dentistry, 2019-2023

Source: OHP MOH, 2023

Comparing with previous year, prosthesis treatments increased by approximately 25.2% (from 1,182 to 1,480). Trauma cases decreased by around 10.7% (from 6,706 to 5,987). Pulp Therapy experienced a slight decrease of about 3.2% (from 2,598 to 2,515). Oral Surgery treatments had a marginal increase of approximately 0.5% (from 4,460 to 4,481). Simple & Advanced Restoration procedures increased by about 3.1% (from 41,554 to 42,834). Conversely, Clinical Preventive treatments saw a significant decrease of approximately 20.9% (from 314,404 to 248,485) (**Figure 10.6**).

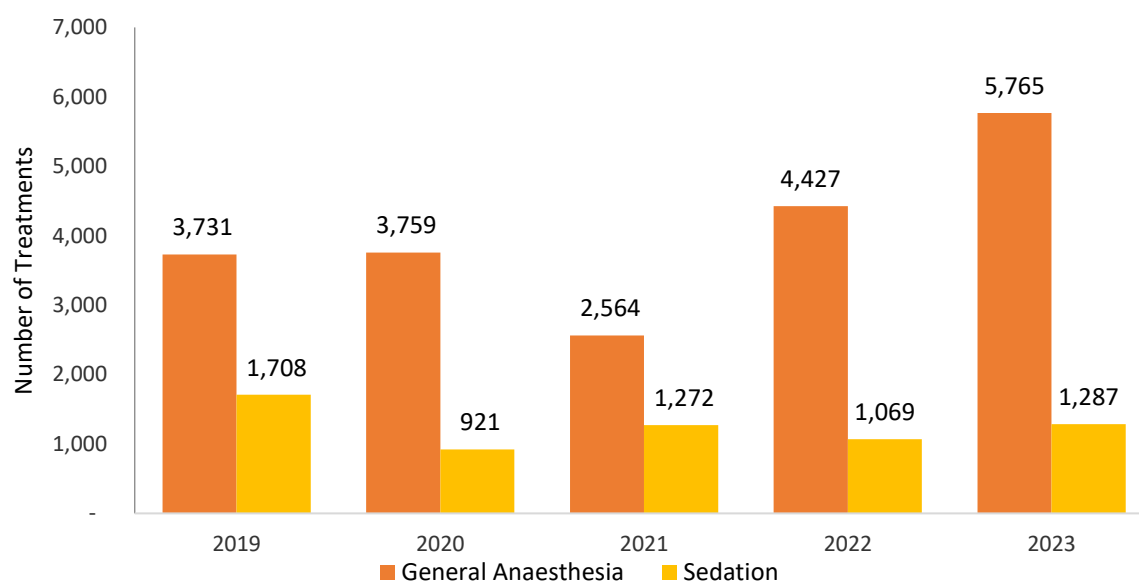


Figure 10.7: Treatment Rendered by Sedation and General Anaesthesia, 2019-2023

Source: OHP MOH, 2023

In 2023, treatment rendered under general anaesthesia increased significantly by approximately 30.22%, rising from 4,427 in 2022 to 5,765 in 2023. Treatment under sedation also saw a notable increase, growing by about 20.39% from 1,069 in 2022 to 1,287 in 2023 (**Figure 10.7**).

PAEDIATRIC DENTISTRY (PDEN) CLUSTER SERVICES

Paediatric Dentistry (PDEN) cluster service was implemented since 2019 in Hospital Batu Gajah (Perak), Hospital Alor Gajah (Melaka), Hospital Besut (Terengganu) and Hospital Semporna and Hospital Kunak (Sabah). In 2023, the service was expanded to 10 Non-Lead Hospital involving state of Kedah, Perak, Negeri Sembilan, Johor, Kelantan and Sarawak. The highest number of patients treated was in Hospital Kuala Kangsar, Perak (287) followed by KP Gua Musang (220), Hospital Pasir Mas (215), Hospital Kunak (191) and Hospital Alor Gajah (190) (**Figure 10.8**).

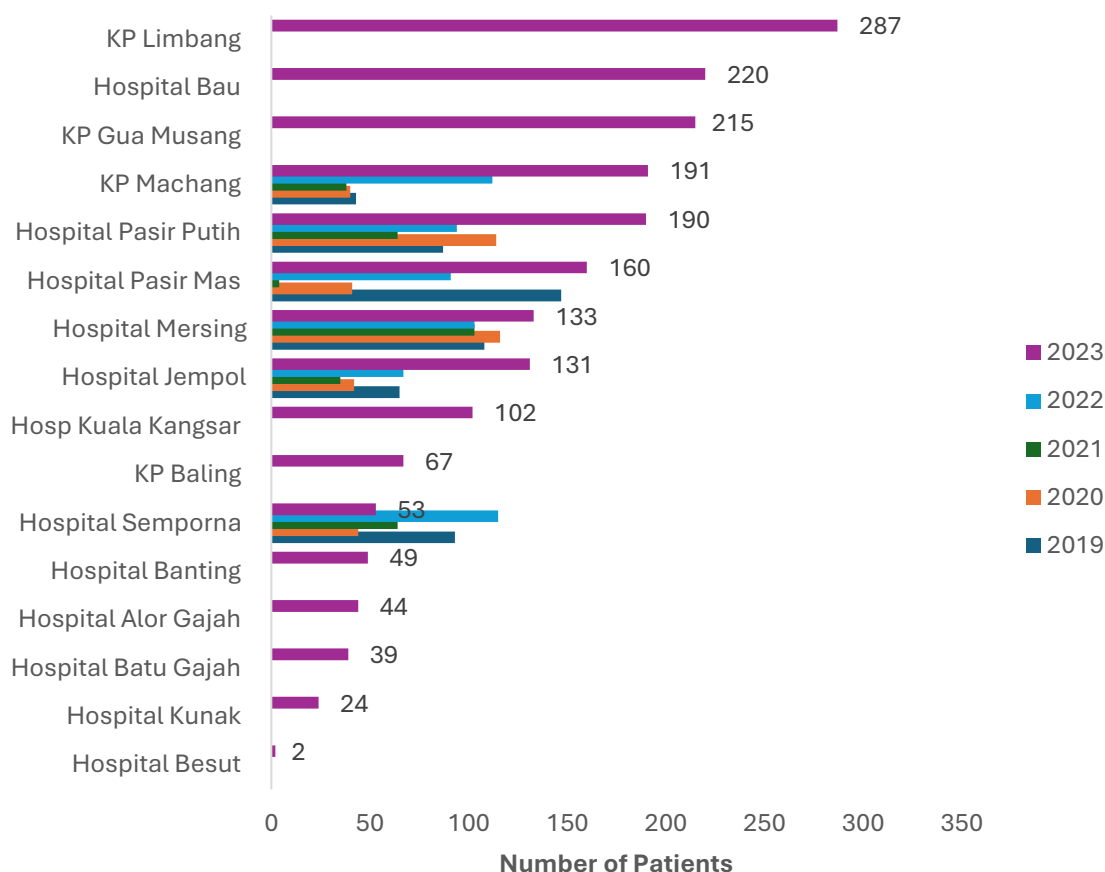


Figure 10.8: Number of Patients attending Paediatric Dentistry Cluster Service, 2019-2023

Source: OHP MOH, 2023

ORAL PATHOLOGY AND ORAL MEDICINE (OPOM)

Total attendance of patients seen by OPOM increased by 8.2% in 2023 (15,762) as compared to 2022 (14,567) (**Figure 10.9**). New and total attendances of OPOM by states depicted in **Table 10.6**.

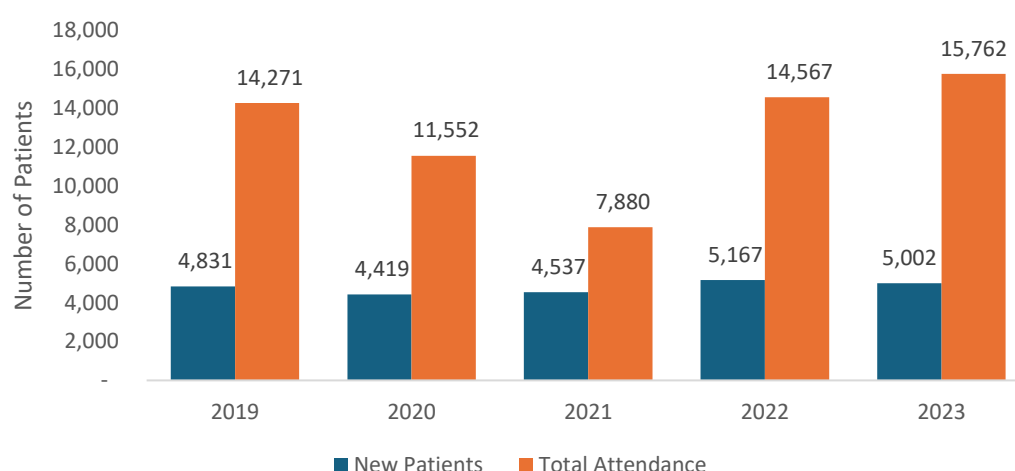


Figure 10.9: Patients' Attendances of Oral Pathology and Oral Medicine, 2019-2023

Source: OHP MOH, 2023

Table 10.6: New Patients and Total Attendances of Oral Pathology and Oral Medicine, 2023

State	New Patients	Total Attendance
Kedah	302	2,252
Pulau Pinang	293	808
Perak	808	2,173
Selangor	139	385
FT KL & Putrajaya	467	1,516
Johor	615	1,938
Pahang	336	843
Terengganu	545	1,977
Kelantan	644	1,378
Sabah	541	1,492
Sarawak	312	1,000
Total	5,002	15,762

Source: OHP MOH, 2023

In 2023, the number of oral medicine cases, slides seen, and reports issued by OPOM increased by approximately 4.07%, 4.27%, and 14.43% respectively, compared to 2022. **(Figure 10.10).**

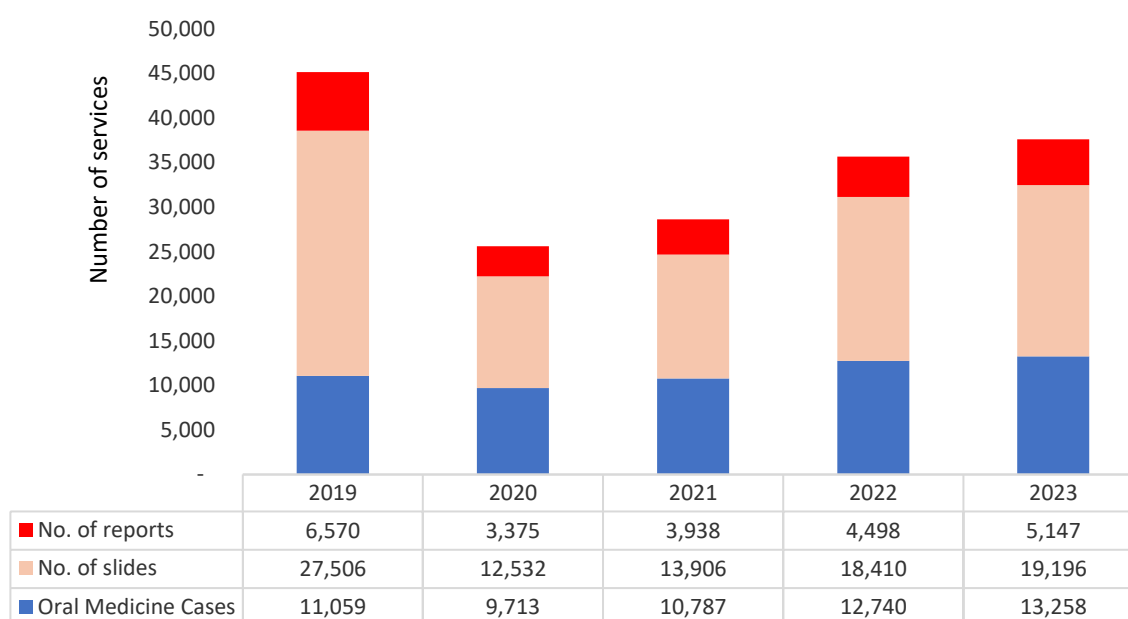


Figure 10.10: Type of services by Oral Pathology and Oral Medicine, 2019-2023

Source: OHP MOH, 2023

In 2023, the number of cases pertaining to salivary gland pathology and precancerous conditions increased by approximately 83.65% and 10.54%, respectively, compared to 2022. However, cases of oro-facial pain, mucosal lesions, and neoplasms decreased by approximately 7.66%, 14.95%, and 33.79%, respectively, compared to 2022. **(Figure 10.11).**

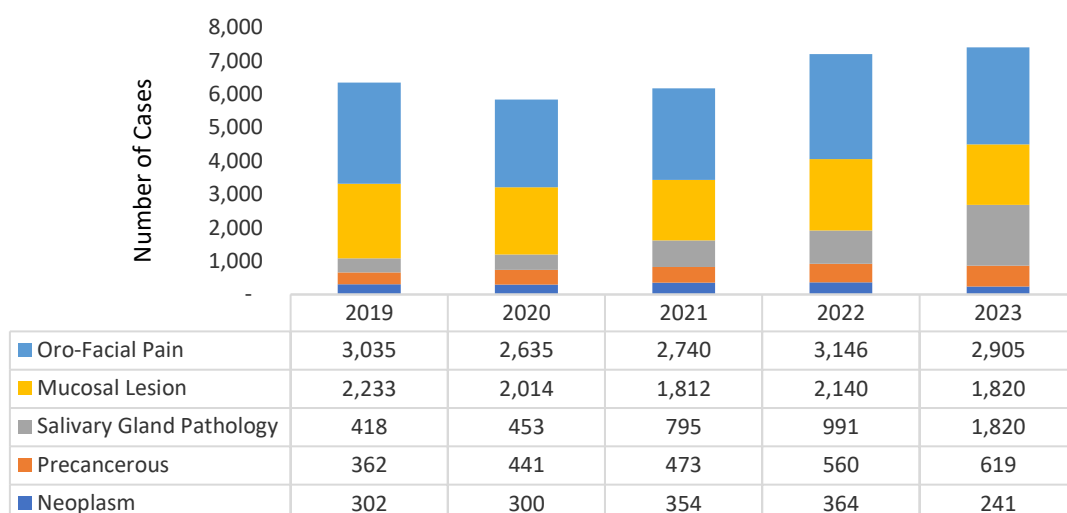


Figure 10.11: Type of cases seen by Oral Pathology and Oral Medicine, 2019-2023

Source: OHP MOH, 2023

SPECIAL CARE DENTISTRY (SCD)

The total attendance of patients increased by 29.40% in 2023 (10,560) compared to 2022 (8,162) (**Figure 10.12**). New and total attendances of SCD by states are shown in **Table 10.7**.

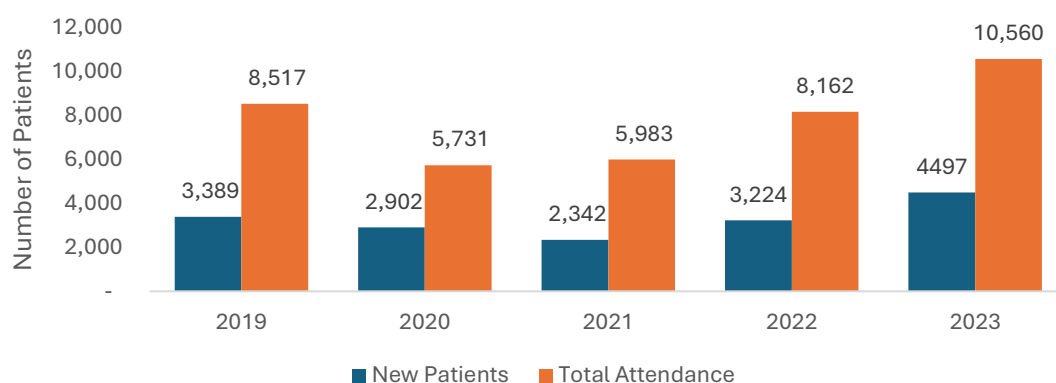


Figure 10.12: Number of Patients Seen by Special Care Dentistry, 2019-2023

Source: OHP MOH, 2023

Table 10.7: New Patients and Total Attendances of Special Care Dentistry by State 2023

Hospital	New Patients	Total Attendance
Hospital Kuala Lumpur	1,454	2,566
Hospital Queen Elizabeth	791	2,027
Hospital Kajang	743	1,894
Hospital Raja Perempuan Zainab II	476	1,438
Hospital Rehabilitasi Cheras	1,829	3,637
Hospital Seberang Jaya	561	1,381
Hospital Umum Sarawak	86	168
Hospital Labuan	11	15
Total	4,497	10,560

Source: OHP MOH, 2023

In 2023, SCD observed an upward trend in various types of cases, including domiciliary visits (190.63%), conscious sedation (15.44%), and non-pharmacological approaches (124.06%) compared to 2022 (**Figure 10.13**).

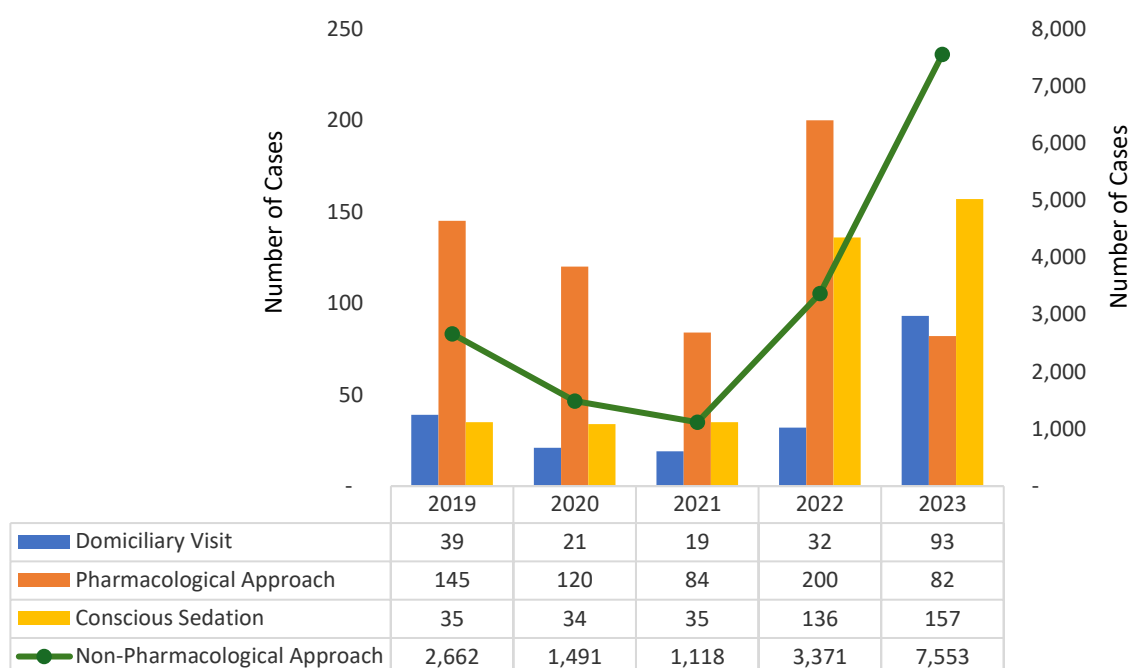


Figure 10.13: Type of Cases Seen by Special Care Dentistry 2019-2023

Source: OHP MOH, 2023

FORENSIC ODONTOLOGY (FOD)

In 2023, five (5) MOH facilities offered services for FOD nationwide. The total number of cases seen in 2023 increased by 56.9% compared to 2022 (**Figure 10.14**).

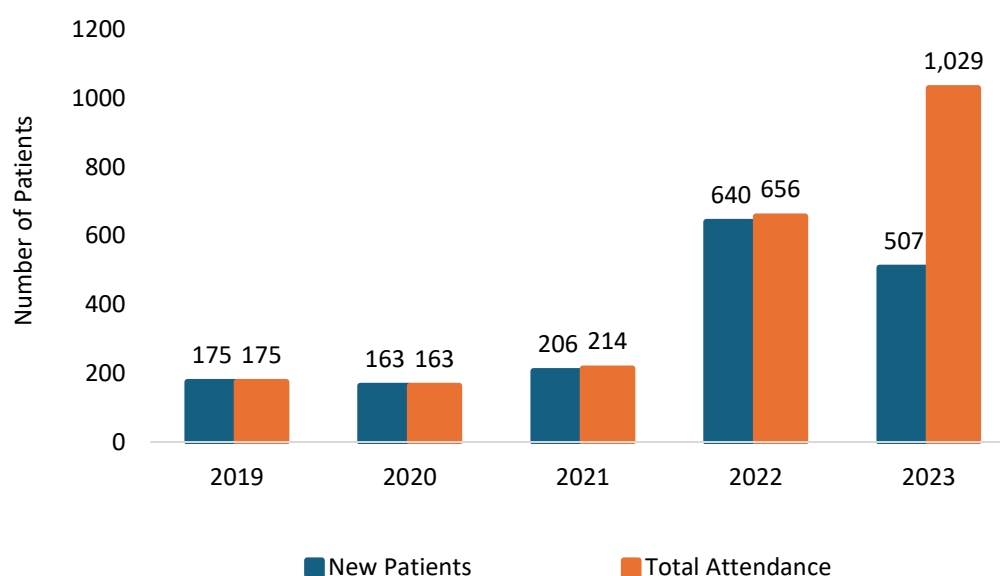


Figure 10.14: Number of Cases Seen by Forensic Odontology Specialists, 2019-2023

Source: OHP MOH, 2023

New and total attendances of FOD by hospital are detailed in **Table 10.8**. Dental evidence plays a critical role in dental records for swift identification and precise interpretation. It is vital to chart dental records accurately from intra-oral examinations to avoid discrepancies. Errors in dental charting can lead to delays in identifying and releasing victims, as it may require relying on other methods for positive identification.

Table 10.8: New Patients and Total Attendances of Forensic Odontology, 2023

Hospital	New Patients	Total Attendance
Hospital Kuala Lumpur	248	261
Hospital Pulau Pinang	64	64
Hospital Tengku Ampuan Afzan	82	82
Hospital Umum Sarawak	44	45
Hospital Queen Elizabeth	69	70
Total	507	522

Source: OHP MOH, 2023

Type of cases seen by FOD are age estimation, post-mortem profiling, bite mark, identification and disaster victim identification (DVI). Cases of DVI increased by 27.03% from 2022 to 2023. (Figure 10.15).

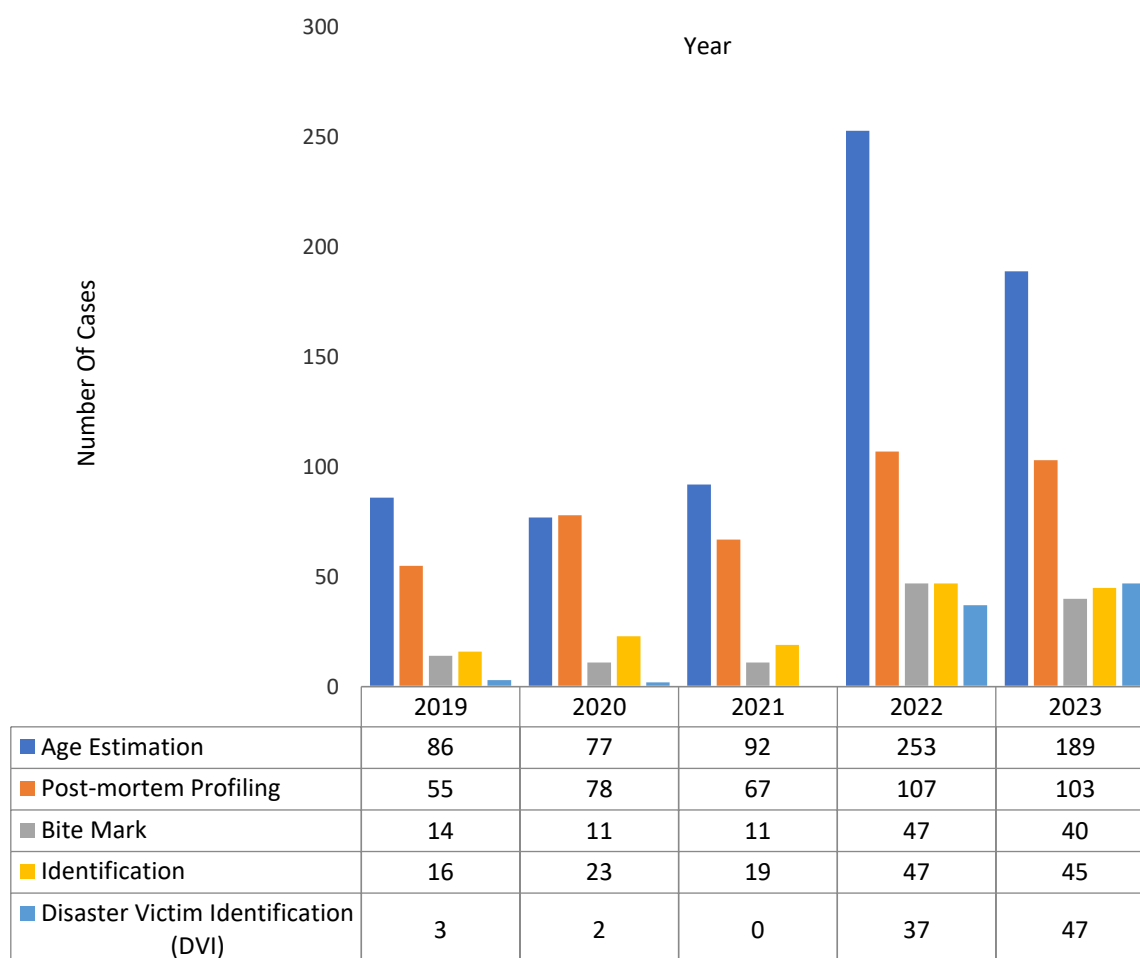


Figure 10.15: Type of Cases Seen by the Forensic Odontology, 2019-2023

Source: OHP MOH, 2023

NON-HOSPITAL BASED DENTAL SPECIALTIES

ORTHODONTICS (ORTD)

The number of new patients increased by approximately 3.32%, rising from 58,673 in 2022 to 60,625 in 2023. Total attendance showed an increase, growing by about 5.37% from 243,303 in 2022 to 256,370 in 2023 (**Figure 10.16**). New and total attendances of ORTD by states depicted in 2023 (**Table 10.9**).

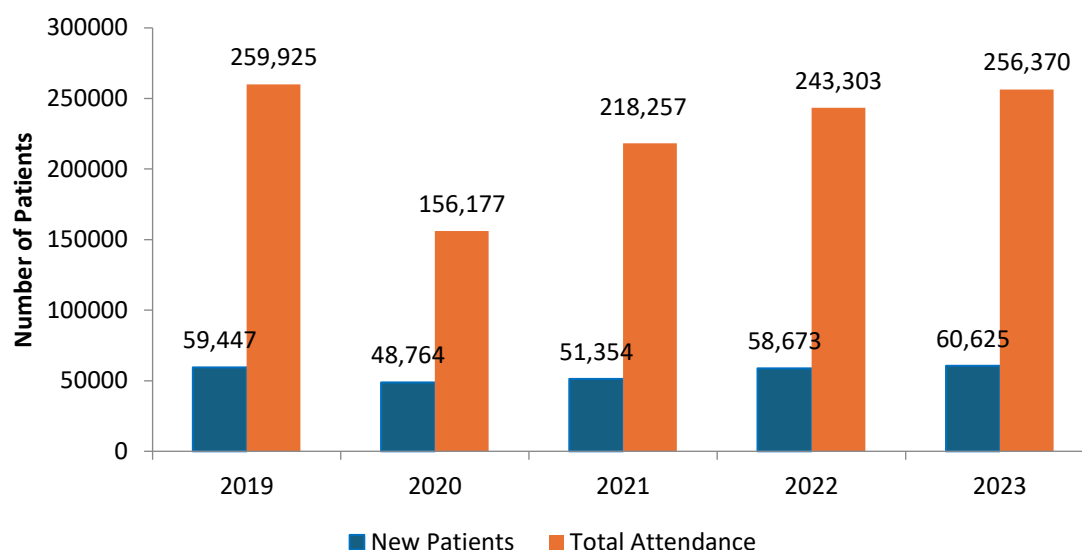


Figure 10.16: Number of Patients Seen by Orthodontics, 2019-2023

Source: OHP MOH, 2023

Table 10.9: New Patients and Total Attendances of Orthodontics, 2023

State	New Patients	Total Attendance
Perlis	366	1,447
Kedah	3,933	17,601
Pulau Pinang	4,376	20,200
Perak	5,175	21,907
Selangor	8,436	29,020
FT KL & Putrajaya	5,469	22,568
Negeri Sembilan	3,289	15,209
Melaka	3,698	16,128
Johor	7,326	29,746
Pahang	3,262	15,971
Terengganu	2,892	12,329
Kelantan	5,723	26,585
Sabah	3,159	13,543
Sarawak	3,318	13,068
FT Labuan	203	1,048
Total	60,625	256,370

Source: OHP MOH, 2023

From 2022 to 2023, there was a noticeable increase in consultations (Category I: 16.78%, Category II: 15.92%), and a significant increase in the number of patients for fix appliances (5.24%). The number of active treatment cases increased slightly by 2.76% (**Table 10.10**).

Table 10.10: Type of Services by Orthodontics, 2019-2023

Service Categories		2019	2020	2021	2022	2023
Consultation	I	13,753	7,498	9,862	13,450	15,707
	II	9,277	4,955	7,548	8,718	10,105
Removable Appliances	No. of Patients	9,084	5,287	8,291	16,655	15,771
Fixed Appliances	No. of Patients	10,418	5,846	9,209	15,939	16,775
No. of active treatment cases		37,186	33,914	34,665	37,047	38,069
Active treatment completed		6,501	3,549	5,968	6,713	6,016

Source: OHP MOH, 2023

The types of orthodontic cases treated at Orthodontic Specialist clinics include malocclusion, interceptive orthodontics, surgical/adjunctive cases and cleft lip and palate cases. From 2022 to 2023, there was an increase in most categories, malocclusion rose by 15.96%, interceptive orthodontics by 27.93% and surgery/adjunctive by 33.15% (**Figure 10.17**).

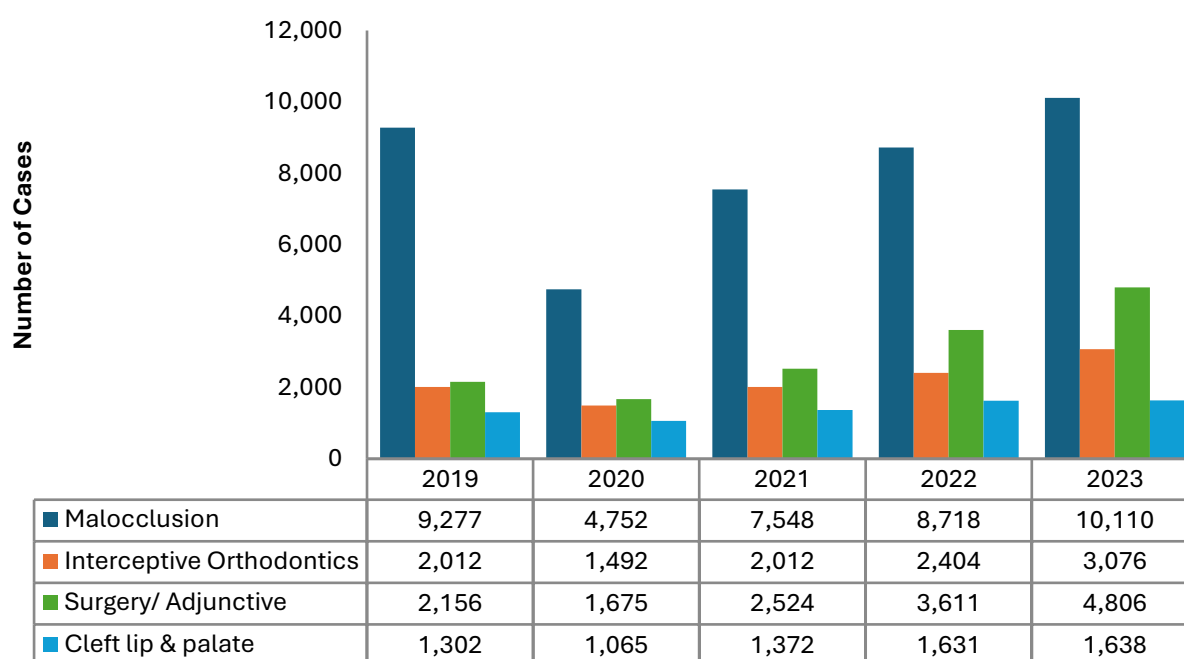


Figure 10.17: Types of Cases Seen by Orthodontics, 2019-2023

Source: OHP MOH, 2023

Relative to type of malocclusion, the highest number of malocclusion cases treated in 2023 was Class II Division 1 (4,673), followed by Class III (2,585), Class I (2,183), and Class II Division II (669). Overall, in 2023, all malocclusion cases showed an increase within the range of 2.20% to 41.14% when compared to 2022 (**Figure 10.18**).

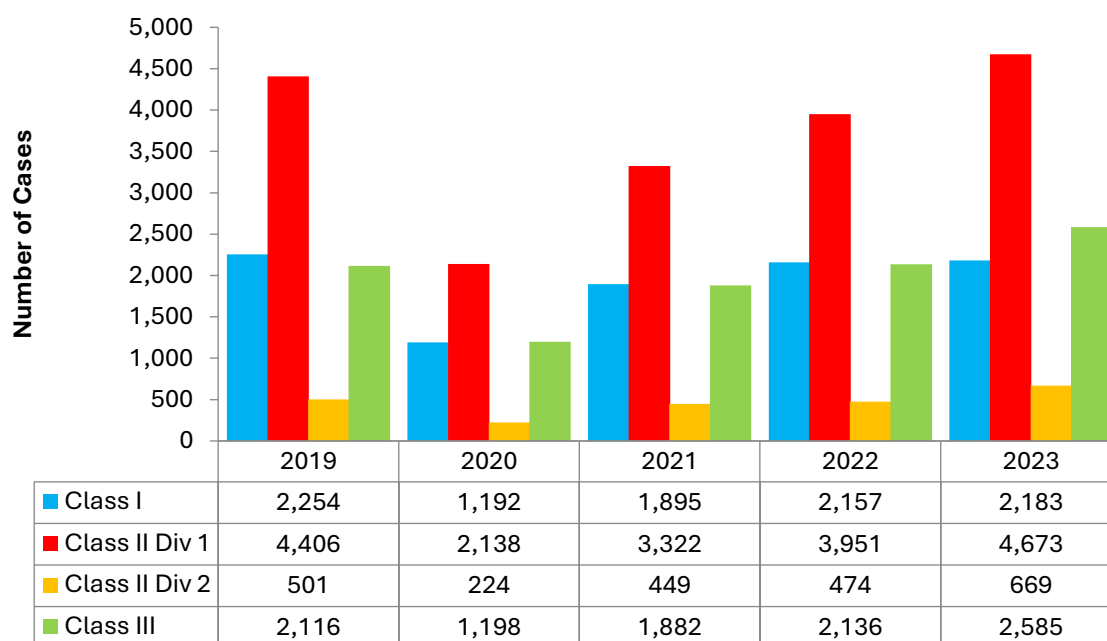


Figure 10.18: Types of Malocclusions among Orthodontic Patients, 2019-2023

Source: OHP MOH, 2023

From 2022 to 2023, there was a 5.30% decrease in removable appliance cases, while fixed appliance cases increased by 5.24% (**Figure 10.19**).

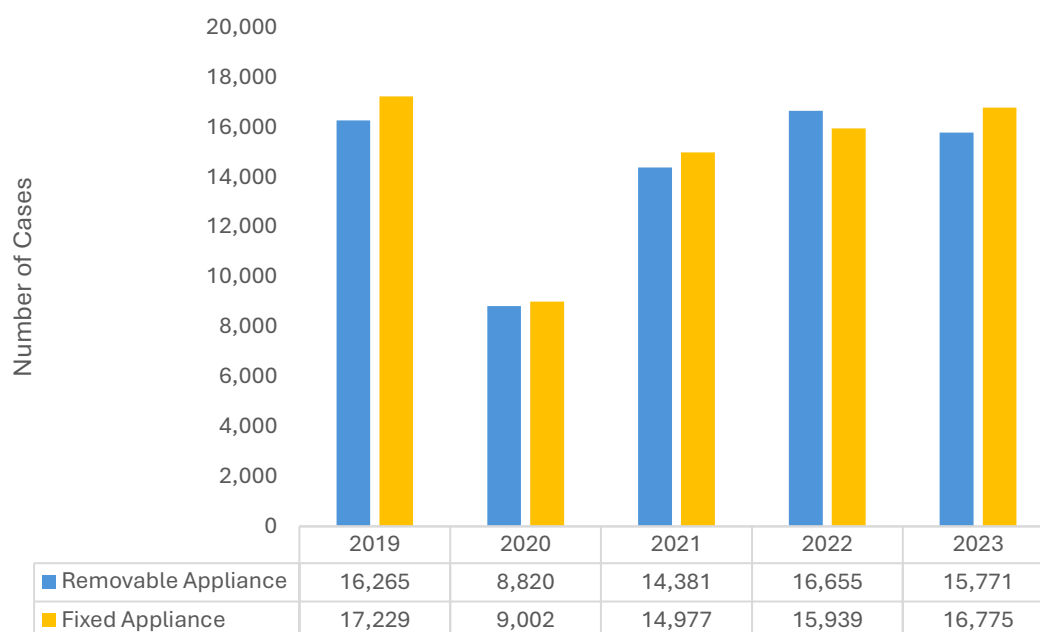


Figure 10.19: Orthodontic Appliances Cases, 2019-2023

Source: OHP MOH, 2023

The most commonly used removable appliances for orthodontic treatment in 2023 were retainers (14,393), followed by functional appliances (1,129) and active appliances (1,041) (**Figure 10.20**).

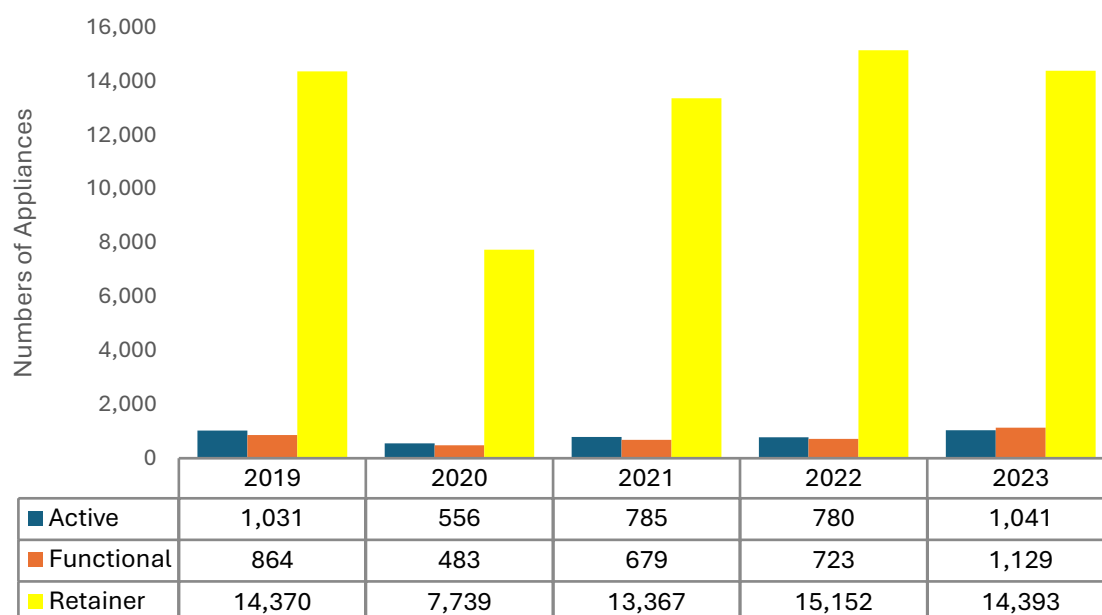


Figure 10.20: Types of Removable Orthodontic Appliances Used, 2019-2023

Source: OHP MOH, 2023

In 2023, band and bond were the most fixed orthodontic appliances used (13,290). This was followed by anchorage devices, (2,644), expanders/traction devices (365), and retainers, (350) (Figure 10.21).

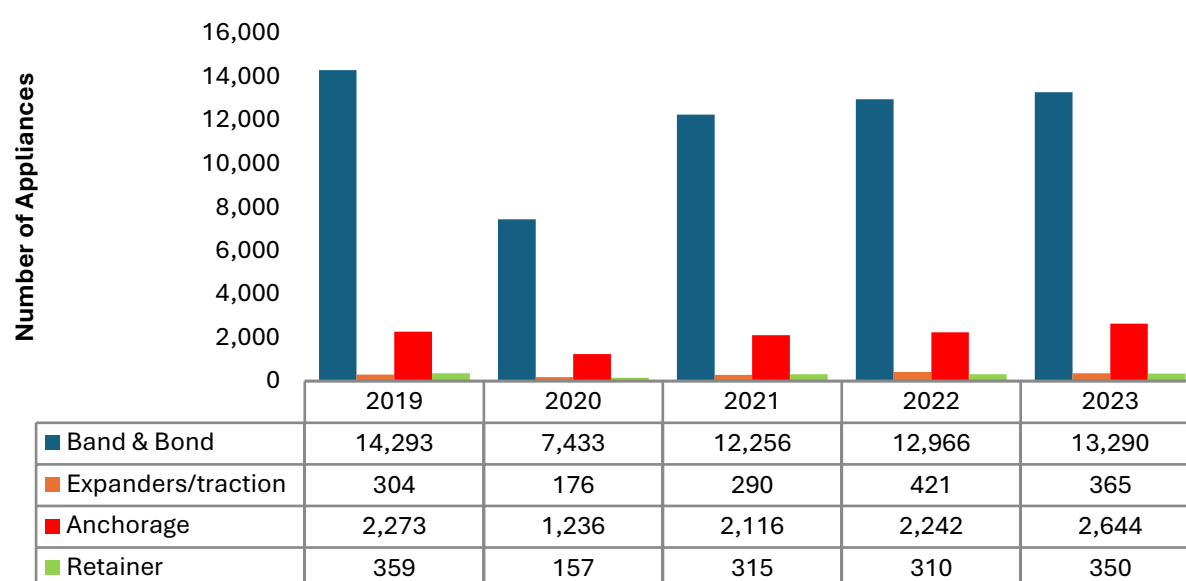


Figure 10.21: Types of Fixed Orthodontic Appliances Used, 2019-2023

Source: OHP MOH, 2023

PERIODONTICS (PER)

From 2022 to 2023, PER showed a significant increase in both new patients and total attendance. The number of new patients rose by 4,376, representing a 23.33% increase, from 18,752 in 2022 to 23,128 in 2023. Similarly, total attendance grew by 15,263, a 22.26%

increase, from 68,567 in 2022 to 83,830 in 2023 (**Figure 10.22**). New and total attendances of PER by states depicted in **Table 10.11**.

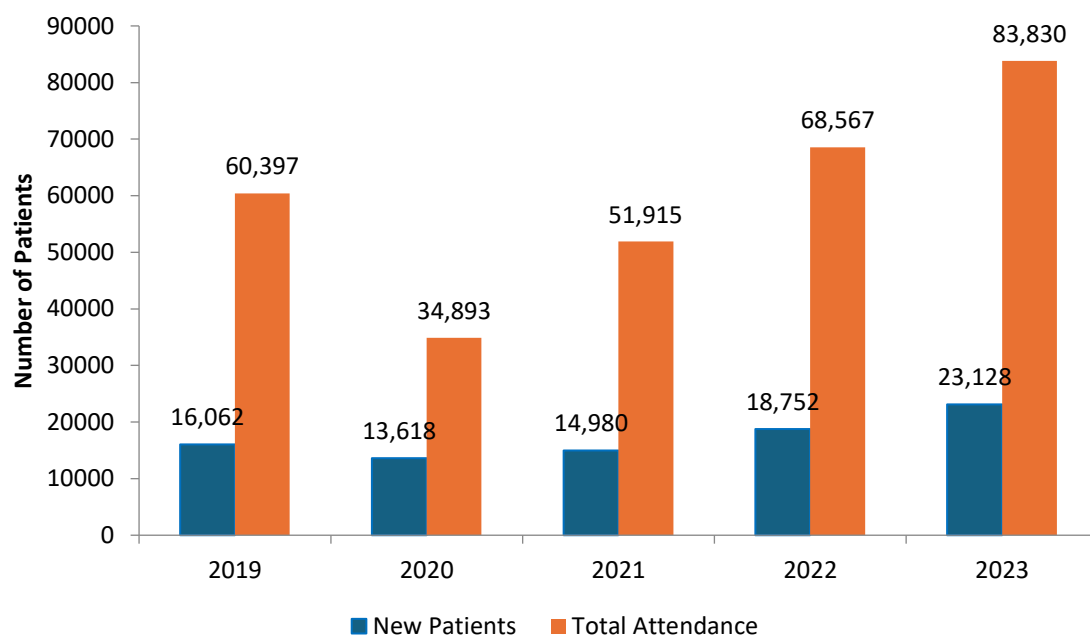


Figure 10.22: Number of Patients Seen by Periodontics, 2019-2023

Source: OHP MOH, 2023

Table 10.11: New Patients and Total Attendances of Periodontics by States, 2023

State	New Patients	Total Attendance
Perlis	337	1,173
Kedah	1,298	4,838
Pulau Pinang	1,681	5,783
Perak	3,021	10,868
Selangor	1,838	6,960
FT KL & Putrajaya	2,843	8,747
Negeri Sembilan	1,289	5,057
Melaka	2,054	7,456
Johor	2,183	7,669
Pahang	1,854	7,264
Terengganu	1,235	4,873
Kelantan	1,060	4,902
Sabah	894	3,321
Sarawak	1,541	4,919
Total	23,128	83,830

Source: OHP MOH, 2023

From 2022 to 2023, for "Completed Active Periodontal Treatment," the number of treatments increased from 3,011 in 2022 to 3,636 in 2023. This represents an increase of 20.76%. For the "Maintenance Phase," the number of treatments increased from 8,705 in 2022 to 12,050 in 2023. This represents a substantial increase of 38.36% (**Figure 10.23**).

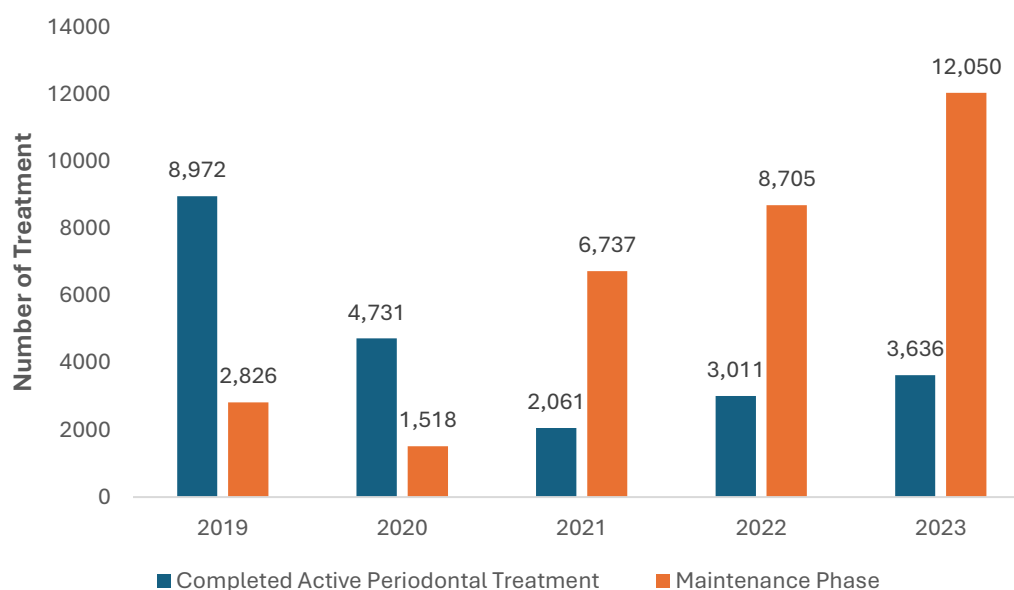


Figure 10.23: Number of Completed Cases and Maintenance Phase, 2019-2023

Source: OHP MOH, 2023

In 2023, non-surgical periodontal treatments showed significant increases compared to 2022, with scaling rising by 438.38% and subgingival debridement increased by 41.81% (**Figure 10.24**).

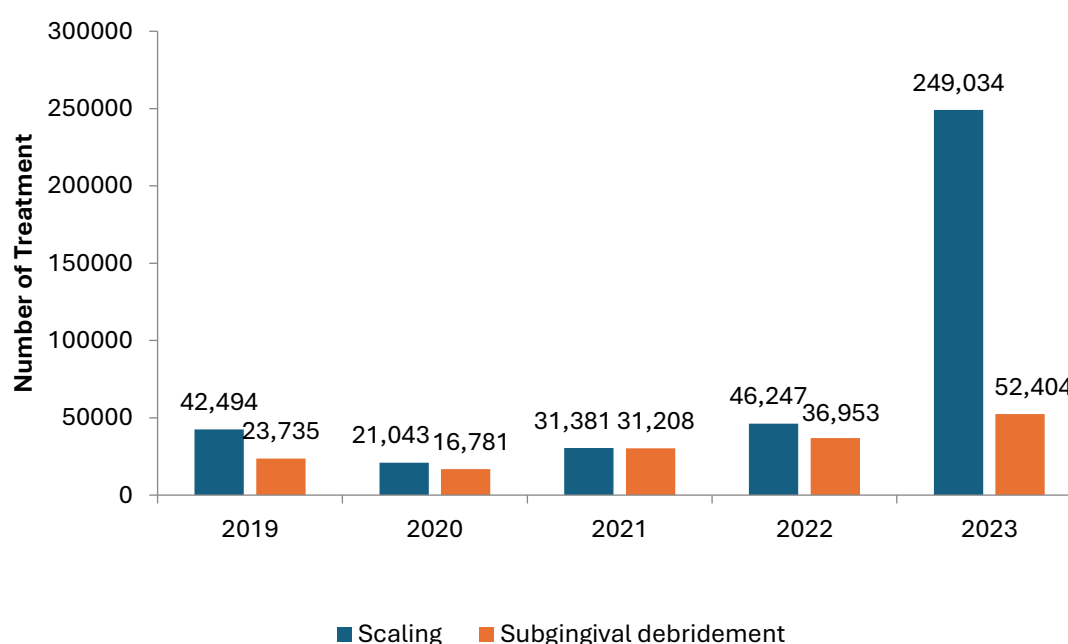


Figure 10.24: Types of Non-Surgical Periodontal Treatment, 2019-2023

Source: OHP MOH, 2023

In 2023, types of surgical periodontal treatments increased within the range of 1.20% to 73.80% as compared to the year 2022. The three (3) commonest surgical treatments done were flap surgery (3,492), followed by grafts (2,308) and regenerative therapy (1,271) (**Table 10.12**).

Table 10.12: Types of Surgical Periodontal Treatments, 2019-2023

Year	2019	2020	2021	2022	2023
Flap	2,259	1,241	2,126	2,976	3,492
Gingivectomy	1,015	507	815	1,002	1,014
Graft	966	557	1,036	1,328	2,308
Frenectomy	208	121	189	240	274
Amputation/ Hemisection	65	34	49	51	48
Regenerative Therapy	586	398	844	1,047	1,271
Crown lengthening	427	166	241	342	428
Dental Implant	349	175	310	466	403

Source: OHP MOH, 2023

PERIODONTICS (PER) CLUSTER SERVICES

In 2023, the PER cluster service was expanded to five (5) non-lead dental clinics which are Klinik Pergigian (KP) Port Dickson, KP Tampin, KP Kota Belud, KP Lahat Datu, and KP Semporna. Number of patients increased 33.54% for Klinik Pergigian Sitiawan, Perak and decreased 8.33% for Klinik Pergigian Padang Matsirat, Langkawi respectively as compared to 2022 (**Figure 10.25**).

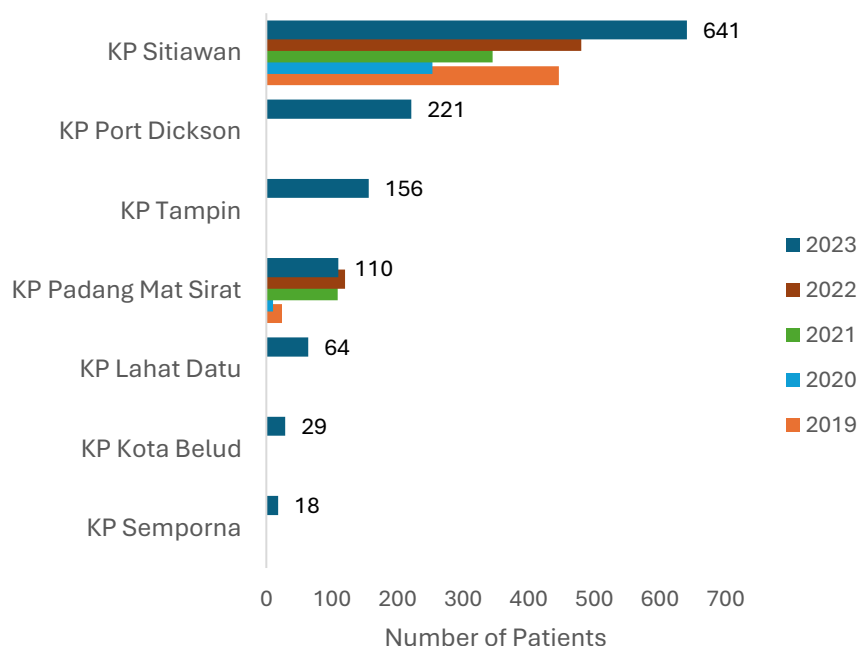


Figure 10.25: Number of Patients Seen from Periodontics Cluster Service, 2019-2023

Source: OHP MOH, 2023

RESTORATIVE DENTISTRY (RESD)

The total attendance for RESD increased by 17.22% in 2023 (58,873) when compared to 2022 (50,226). The number of new patients rose from 17,195 in 2022 to 19,898 in 2023,

representing an increase of 2,703 patients, or 15.72% (**Figure 10.26**). New and total attendances of RESD by states depicted in **Table 10.13**.

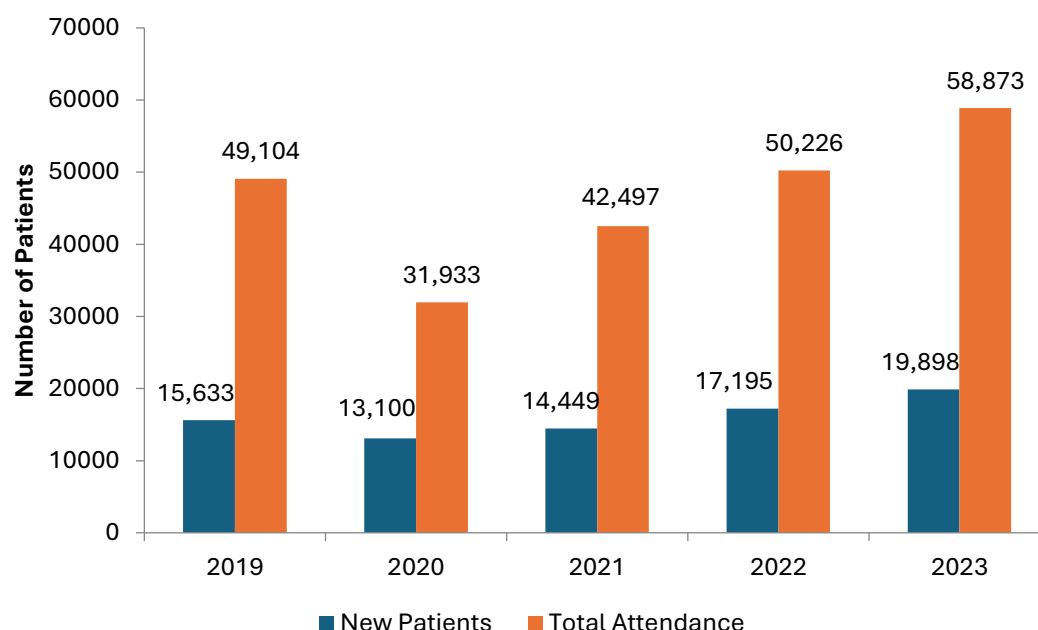


Figure 10.26: Number of Patients Seen by Restorative Dentistry, 2019-2023

Source: OHP MOH, 2023

Table 10.13: New Patients and Total Attendances of Restorative Dentistry by State, 2023

State	New Patients	Total Attendance
Perlis	361	1,032
Kedah	775	2,434
Pulau Pinang	1,462	4,405
Perak	1,858	5,492
Selangor	2,539	7,548
FT KL & Putrajaya	2,668	7,464
Negeri Sembilan	1,398	3,748
Melaka	1,288	3,288
Johor	1,469	4,707
Pahang	1,134	3,982
Terengganu	824	2,634
Kelantan	1,226	3,088
Sabah	1,297	4,118
Sarawak	1,599	4,933
Total	19,898	58,873

Source: OHP MOH, 2023

In 2023, there was an overall increase in all types of intra-coronal restorations done in relation to the year 2022. Tooth colored restoration was the most used restorative material in 2023 (21,739) as compared to the year 2022 (20,490) (**Figure 10.27**).

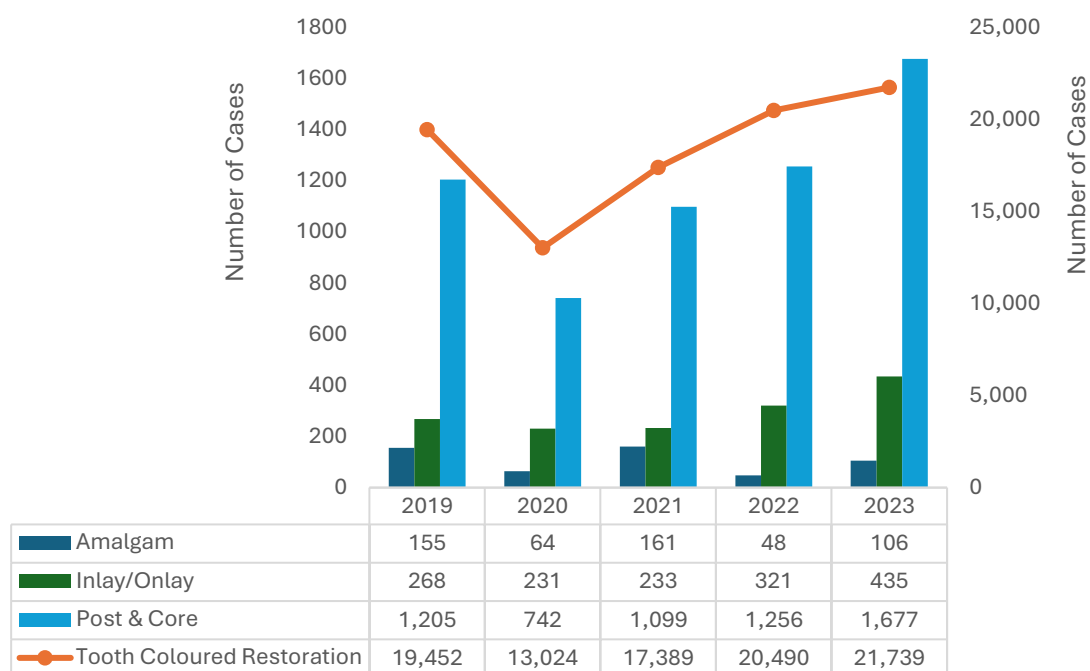


Figure 10.27: Types of Intra-Coronal Restorations Cases Done, 2019-2023

Source: OHP MOH, 2023

The most common extraoral restoration done was full ceramic crown (1,698) followed by conventional bridge (1,293) and porcelain fused with metal crown (1,059) (**Figure 10.28**).

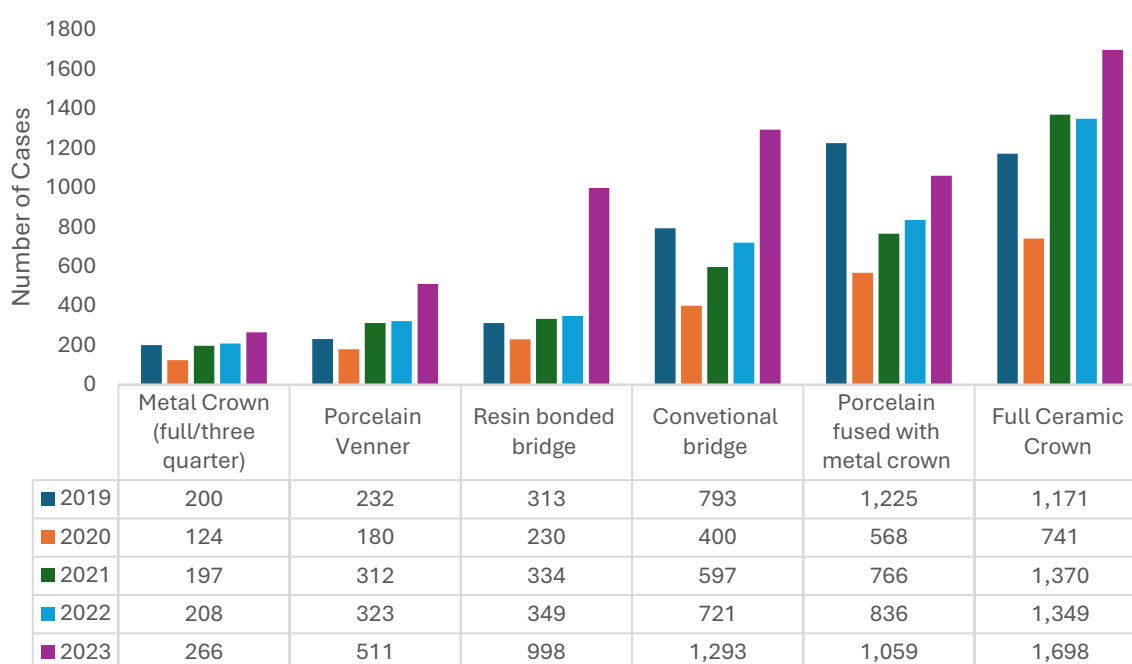


Figure 10.28: Types of Extra-Coronal Restorations Cases Done, 2019-2023

Source: OHP MOH, 2023

In 2023, the highest number of endodontic treatments done were newly obturated anterior and posterior teeth (9,794) with 132.78% increase as compared to year 2022 (4,208) (**Figure 10.29**).

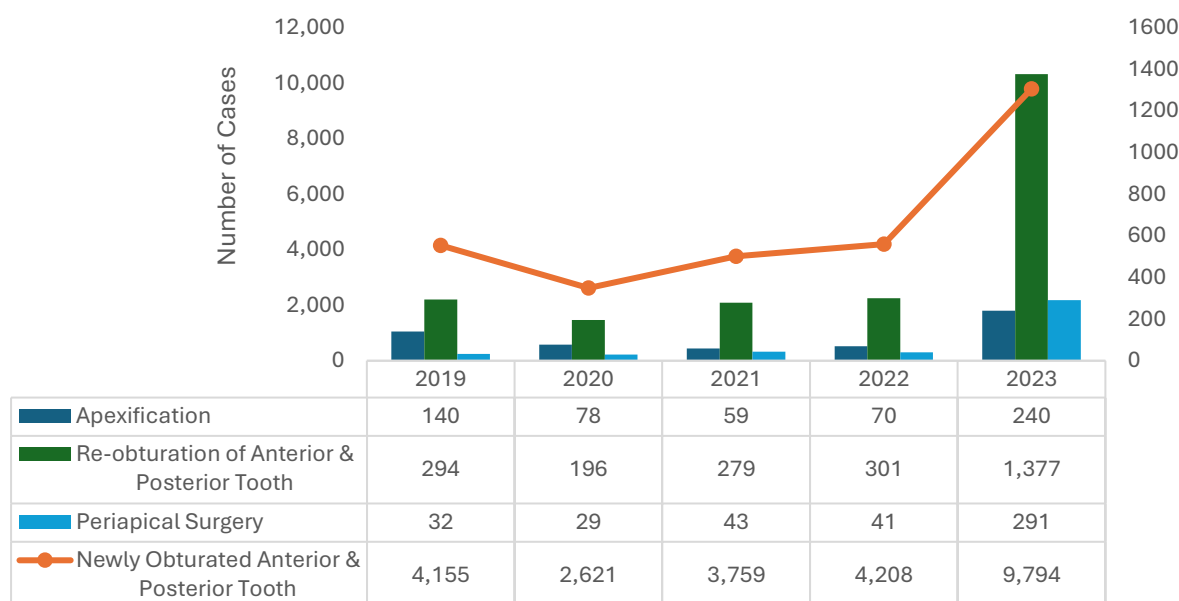


Figure 10.29: Types of Endodontic Treatments, 2019-2023

Source: OHP MOH, 2023

From 2022 to 2023, surgical implant placement cases increased by approximately 477.11%, and Prosthesis cases increased by approximately 77.73% (**Figure 10.30**).

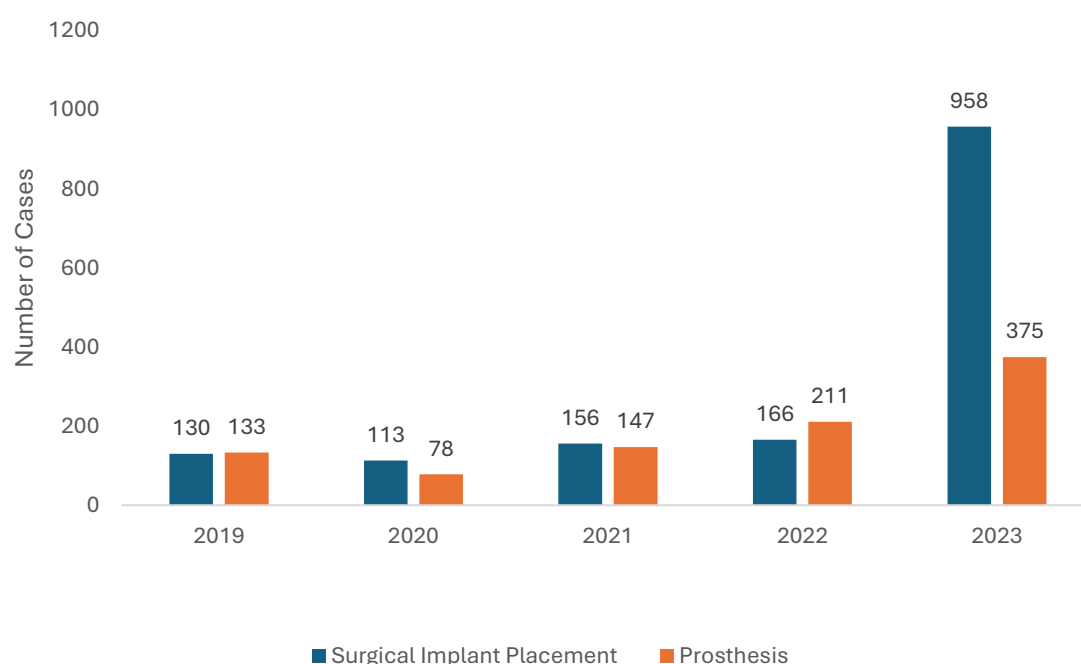


Figure 10.30: Number of Surgical Implant Placement and Prosthesis, 2019-2023

Source: OHP MOH, 2023

The highest number of prostheses done by RESD in 2023 was acrylic partial dentures (1,546). Overall, there were increasing trends in all types of prosthesis compared to the year 2022 (**Figure 10.31**).

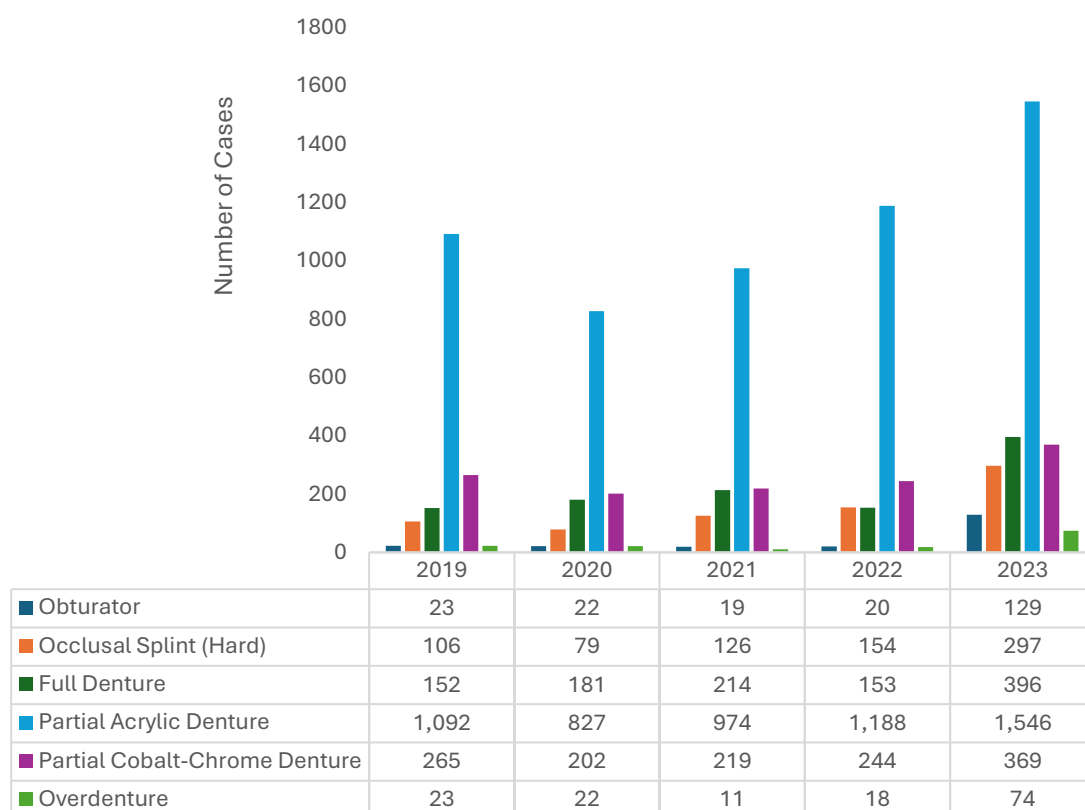


Figure 10.31: Types of Prosthesis Produced by Restorative Dentistry, 2019-2023

Source: OHP MOH, 2023

RESTORATIVE DENTISTRY (RES D) CLUSTER SERVICES

In 2023, the RESD cluster service was expanded to one (1) non-lead dental clinics which are KP Baling, Kedah. Number of patients decreased 23.68 % for KP Semporna, Sabah respectively as compared to 2022. For KP Sandakan, cluster service was discontinued as permanent Restorative Dentistry Specialist was placed at this clinic in 2022. (Figure 10.32).

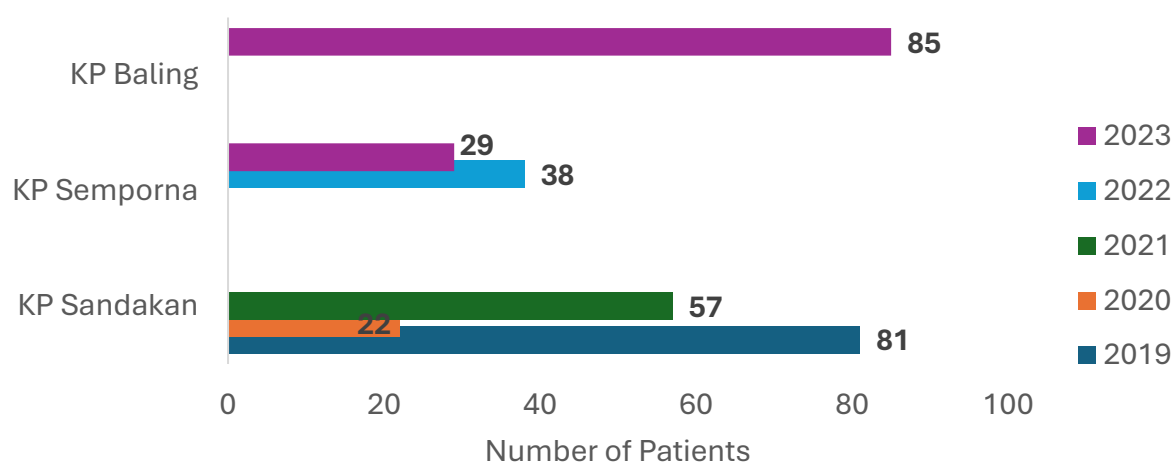


Figure 10.32: Number of Patients Seen from Restorative Dentistry Cluster Service, 2019-2023

Source: OHP MOH, 2023

DENTAL PUBLIC HEALTH (DPH)

Dental Public Health Specialists (DPHS) in MOH Malaysia are instrumental in shaping and implementing public health policies, managing programs, conducting research, and advocating for legislative changes. They work to improve the oral health of populations through education, collaboration, and leadership, ensuring high standards of care and addressing the broader social determinants of health.

Oral health awareness is crucial for the overall health and well-being of individuals and communities. Good oral health contributes to a person's appearance and self-esteem, which can positively affect social interactions and mental health. Awareness campaigns can engage communities in oral health initiatives, fostering a sense of ownership and collective action towards better health outcomes.

The continuous evolution of clinical prevention and oral health promotion aspects within the DPHS role is embodied in the Dental Public Health Specialist Unit (DPHSU), which was initiated in 2021. The DPHSU extended its services by having DPHS visit three (3) facilities: Klinik Pakar Pergigian Kota Setar (Kedah), Klinik Pergigian Bandar Botanik (Selangor), and Klinik Pergigian Kuala Sungai Baru (Melaka). At present, the number of DPHS available for permanent placement at the DPHSU is very limited.

In 2023, at Klinik Pakar Pergigian Kota Setar, there was a decrease in patients from 313 in 2022 to 238 in 2023, a reduction of 75 patients, or 23.96% compared to 2022. Klinik Pergigian Bandar Botanik saw a slight decrease from 216 patients in 2022 to 213 in 2023, a drop of 3 patients, or 1.39%. Conversely, Klinik Pergigian Kuala Sungai Baru experienced an increase in patients from 125 in 2022 to 138 in 2023, an increase of 13 patients, or 10.40%, as shown in **Figure 10.33**.

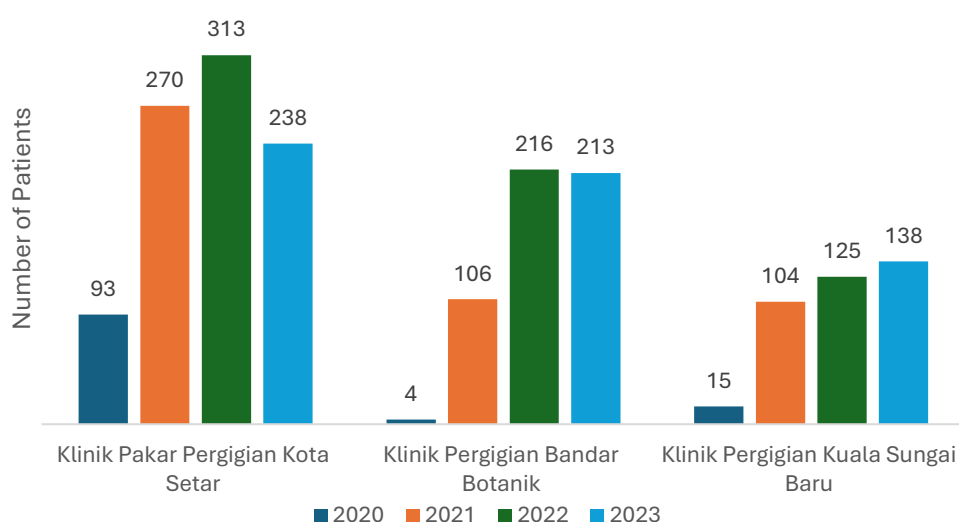


Figure 10.33: Total Attendance of Patients at Dental Public Health Specialist Unit, 2020-2023

Source: OHP MOH, 2023

From 2022 to 2023, there was significant increase in various types of dental treatments. Management of risky habits showed a modest increase of approximately 8.86%. Clinical prevention treatments rose by about 48.83%, while curative procedures increased by 42.03%. Behaviour modification treatments experienced a substantial rise of approximately 137.92%. The most significant growth was observed in risk assessment treatments, which surged by approximately 167.68%. Oral health education also saw a notable increase of 103.15% (**Figure 10.34**).

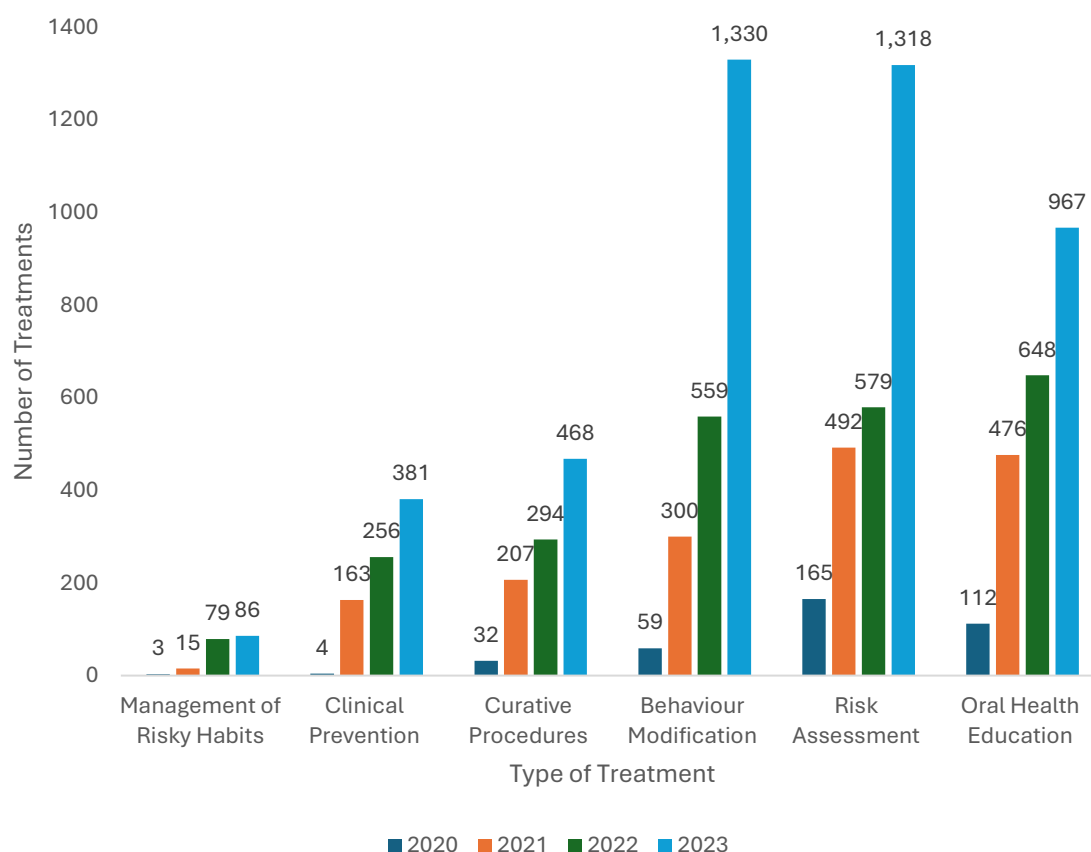


Figure 10.34: Type of Treatments Done at Dental Public Health Specialist Unit, 2020-2023

Source: OHP MOH, 2023

COMMUNITY ORAL HEALTHCARE SECTION

*Klinik Pergigian Bergerak meluncur megah
Membawa perkhidmatan kepada rakyat
Penyakit pergigian boleh dicegah
Kekal sihat sepanjang hayat*



From left to right:

Ms. Masni binti Ishak U36, Dr. Siti Nur Fatimah binti Abdul Halim UG52

Dr. Nuryastri binti Mustafa UG54, Dr. Ku Amirah binti Ku Haris UG52

COMMUNITY ORAL HEALTHCARE

FLUORIDATION OF PUBLIC WATER SUPPLY

POPULATION COVERAGE

Water fluoridation of public water supplies is the controlled addition of fluoride compounds to the public water supply to achieve optimal concentration for dental caries prevention. The purpose of water fluoridation is to achieve mass prevention in reducing and controlling dental caries in large populations. Water fluoridation is a safe and effective public health intervention for caries prevention and has been implemented as a government policy since 1972. This programme has brought marked improvement in the oral health status of school children and adults in Malaysia. In 2023, 75.00% of the population received fluoridated water, and 25.03% of the population did not benefit from this programme (**Figure 11.1**). However, the percentage was lower compared to 2022 due to cessation of water fluoridation in Perlis in 2023.

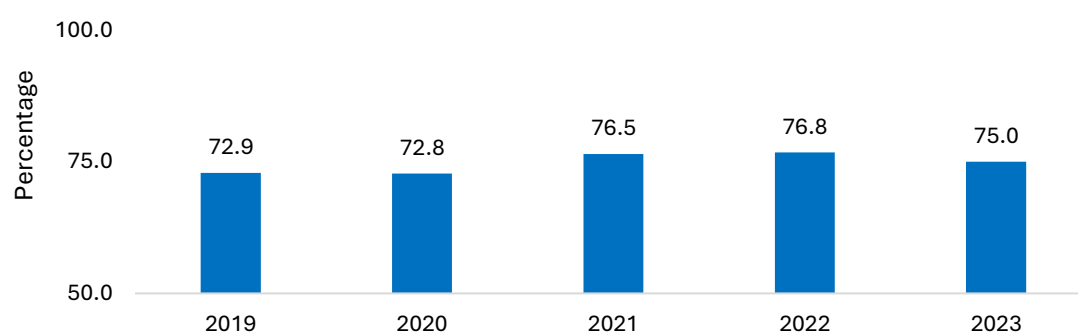


Figure 11.1: Population Coverage for Water Fluoridation Programme, 2019 to 2023

Source: OHP MOH, 2023

In most states, more than 90.00% of their population received fluoridated water except Sarawak (56.65%), Kelantan (16.26%), Sabah (6.75%), Pahang (0.00%) and Perlis (0.00%) (**Figure 11.2**).

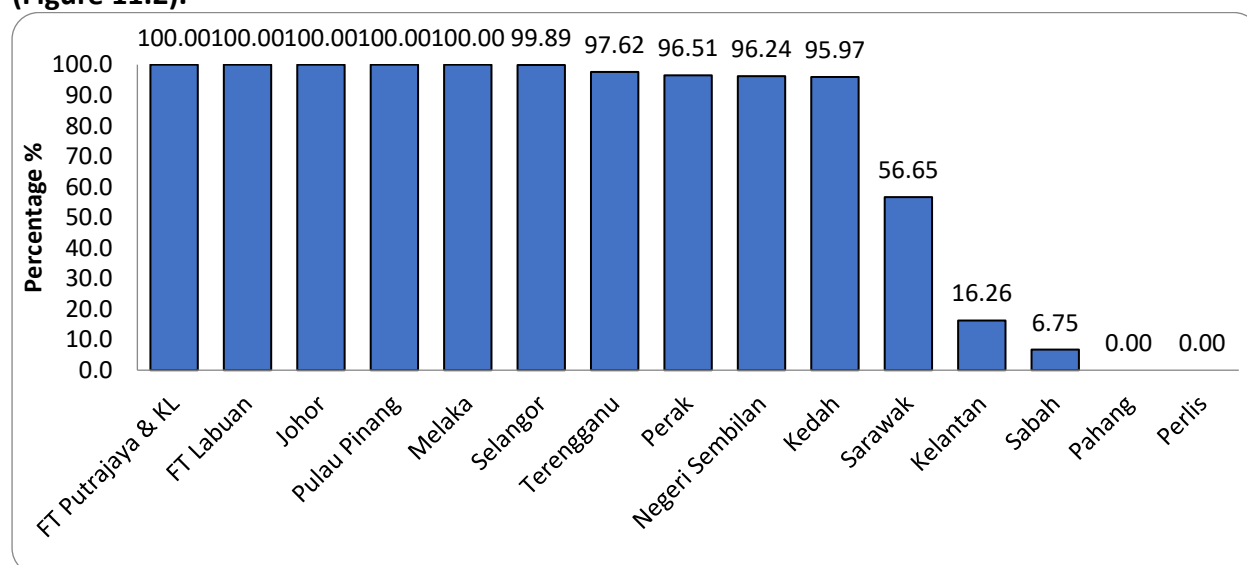


Figure 11.2: Percentage of Population Receiving Fluoridated Water by State, 2023

Source: OHP MOH, 2023

WATER TREATMENT PLANT (WTP)

At present, there are a total of 511 water treatment plants in Malaysia, of which 198 (38.74%) are owned by the government, and 313 (61.25%) by private companies. WTPs owned by the government are in Perak, Sabah, Sarawak and FT Labuan (**Table 11.1**).

Table 11.1: Water Treatment Plant by Sector, 2023

State	Government	Private	Total WTP
Perlis	0	3	3
Kedah	0	36	36
Pulau Pinang	0	8	8
Perak	40	5	45
Selangor	0	30	30
FT KL & Putrajaya	0	3	3
Negeri Sembilan	0	21	21
Melaka	0	11	11
Johor	0	47	47
Pahang	0	74	74
Terengganu	0	13	13
Kelantan	0	43	43
Sabah	70	14	84
Sarawak	84	4	88
FT Labuan	4	1	5
Malaysia	198	313	511

Source: OHP MOH, 2023

A total of 322 (63.01%) WTPs had fluoride feeders installed (**Table 11.2**). Among those with feeders, only 238 (73.91%) are functioning, while 84 (26.09%) are not functioning due to poor condition of fluoride feeders that require repairs or replacement causing cessation of water fluoridation programme in the states. States such as Pulau Pinang, FT Kuala Lumpur and Putrajaya, Melaka, and Johor produced 100.00% fluoridated water as all the WTPs were installed with fluoride feeders. However, in Terengganu the coverage was not 100% although all WTPs are installed with functioning fluoride feeder. In Perlis, water fluoridation ceased in June 2023, which impacted the coverage of population receiving fluoridated water.

Table 11.2: WTP with Fluoride Feeders by State, 2023

State	No. of WTP	WTP with Fluoride Feeder		WTP with Active Fluoride Feeder		WTP Producing Fluoridated Water
		No.	Percentage (%)	No.	Percentage (%)	Percentage (%)
Perlis	3	3	100.00	0	0.00	0.00
Kedah	36	34	94.44	32	94.12	88.89
Pulau Pinang	8	8	100.00	8	100.00	100.00
Perak	45	44	97.78	44	100.00	97.78
Selangor	30	30	100.00	29	96.67	96.67
FT KL & Putrajaya	3	3	100.00	3	100.00	100.00

State	No. of WTP	WTP with Fluoride Feeder		WTP with Active Fluoride Feeder		WTP Producing Fluoridated Water
		No.	Percentage (%)	No.	Percentage (%)	Percentage (%)
Negeri Sembilan	21	19	90.48	11	57.89	52.38
Melaka	11	11	100.00	11	100.00	100.00
Johor	47	47	100.00	47	100.00	100.00
Pahang	74	49	66.22	0	0.00	0.00
Terengganu	13	12	92.31	12	100.00	92.31
Kelantan	43	8	18.60	5	62.50	11.63
Sabah	84	14	16.67	13	92.86	15.48
Sarawak	88	36	40.91	22	61.11	25.00
FT Labuan	5	4	80.00	1	25.00	20.00
Malaysia	511	322	63.01	238	74.84	46.58

Source: OHP MOH, 2023

MAINTAINING FLUORIDE LEVELS IN PUBLIC WATER SUPPLY

Maintenance of fluoride levels within the optimal range of 0.4 – 0.6 ppm is important to achieve maximum benefit for control and prevention of dental caries while ensuring health and safety. In 2023, 78.90% of readings at reticulation points conformed to the recommended range. The percentage of conformance in the readings was higher in 2023 compared to 2022 and 2021, however it was lower compared to 2019 and 2020 (**Figure 11.3**).

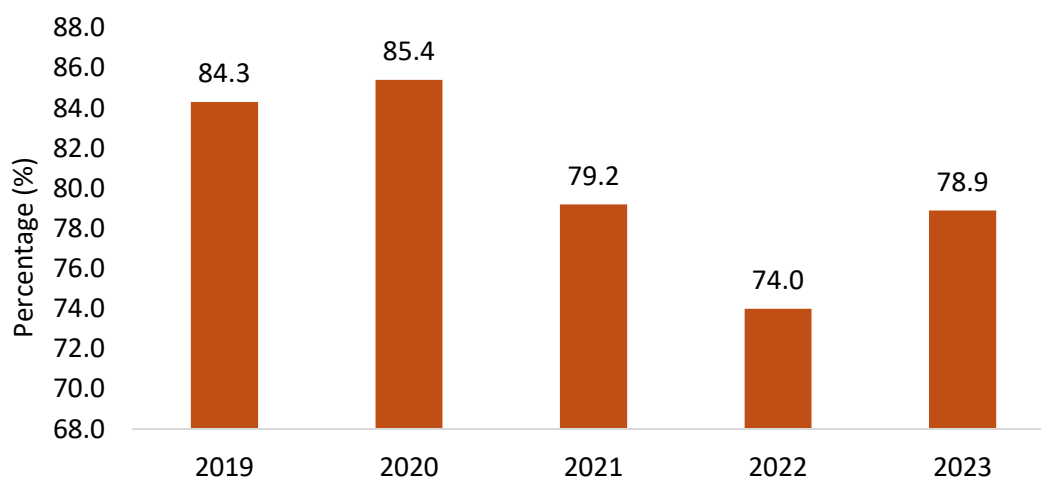


Figure 11.3: Percentage of Conformance of Fluoride Level in Public Water Supplies to the Recommended Range (0.4-0.6ppm), 2019 to 2023

Source: OHP MOH, 2023

In 2023, the percentage of fluoride readings of more than 0.6 ppm was very small (0.65%) and none of the states exceeded the standard set in the National Indicator Approach. While, for the lower limit the standard was set at not more than 25.00% of the readings were below 0.4 ppm. However, only 11 states complied with the standard except Perlis (100.00%), Pahang (98.98%), Kelantan (83.33%), Sarawak (61.84%) and Terengganu (38.10%) (**Table 11.3**).

Table 11.3: Fluoride Level at Reticulation Points by State, 2023

State	Reticulation Points						
	Total Readings	Fluoride Readings					
		0.4 - 0.6 ppm		< 0.4 ppm		> 0.6 ppm	
		No.	%	No.	%	No.	%
Perlis	64	0	0.00	64	100.00	0	0.00
Kedah	1,007	923	91.65	76	7.55	8	0.79
Pulau Pinang	388	383	98.71	5	1.29	0	0.00
Perak	1,009	964	95.54	44	4.36	1	0.10
Selangor	736	736	100.00	0	0.00	0	0.00
FT KL & Putrajaya	142	142	100.00	0	0.00	0	0.00
Negeri Sembilan	462	462	100.00	0	0.00	0	0.00
Melaka	516	515	99.81	0	0.00	1	0.19
Johor	1,128	1,127	99.91	1	0.09	0	0.00
Pahang	686	7	1.02	679	98.98	0	0.00
Terengganu	567	345	60.85	216	38.10	6	1.05
Kelantan	114	18	15.79	95	83.33	1	0.88
Sabah	598	545	91.14	52	8.70	1	0.16
Sarawak	705	234	33.19	436	61.84	35	4.97
FT Labuan	79	68	86.08	11	13.92	0	0.0
Malaysia	8,201	6,469	78.88	1,679	20.47	53	0.65

Source: OHP MOH, 2023

CLINICAL PREVENTION FOR CARIES

FLUORIDE VARNISH PROGRAMME FOR TODDLERS

Fluoride varnish (FV) program aims to reduce the prevalence and severity of dental caries among toddlers. For maximum impact, FV is applied four (4) times with an interval of six (6) months for each application. Therefore, the identified toddler will complete this programme within two (2) years. **Figure 11.4** shows the number of toddlers that received the first up to four applications for both cohorts (2020 and 2021).

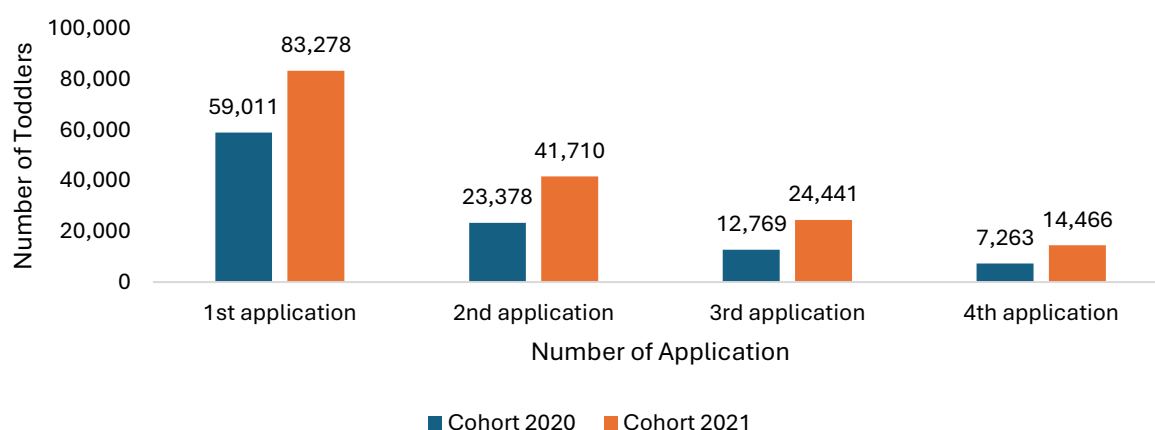


Figure 11.4 FV Application and Compliance Rate for 2020 and 2021 Cohort

Source: OHP MOH, 2023

For cohort 2021, only 14,466 (17.37%) toddlers received four (4) times FV application (**Table 11.4**). Whilst for cohort 2020, 7,263 (12.31%) toddlers received four (4) times FV application (**Table 11.5**). The percentage of toddlers that received four times application has increased in cohort 2021 compared to 2020.

Table 11.4: FV Application and Compliance Rate for 2021 Cohort

State	1 st Application		2 Times Application		3 Times Application		4 Times Application	
	No.	%	No.	%	No.	%	No.	%
Perlis	1,224	99.59	575	46.98	310	25.33	183	14.95
Kedah	3,089	100.00	1,025	33.18	509	16.48	238	7.70
Pulau Pinang	4,423	100.00	1,776	40.23	837	18.96	486	11.01
Perak	4,065	100.00	1,434	35.28	1,125	27.68	898	22.09
Selangor	3,178	100.00	2,373	74.67	1,839	57.87	1,388	43.68
FT KL & Putrajaya	1,948	99.85	915	46.97	460	23.61	199	10.22
Negeri Sembilan	2,334	100.00	1,231	52.74	825	35.35	456	19.54
Melaka	6,367	98.99	2,525	39.66	1,221	19.18	526	8.26
Johor	1,651	93.49	735	44.52	409	24.77	218	13.20
Pahang	14,218	99.01	11,168	78.55	7,550	53.10	5,439	38.25
Terengganu	11,854	100.00	4,546	38.35	2,152	18.15	802	6.77
Labuan	249	100.00	103	41.37	42	16.87	36	14.46
Kelantan	11,098	92.79	5,398	48.64	2,850	25.68	1,258	11.34
Sabah	15,796	99.33	7,698	48.73	4,288	27.15	2,338	14.80
Sarawak	1,784	98.51	208	11.66	24	1.35	1	0.06
Malaysia	83,278	98.43	41,710	50.09	24,441	29.35	14,466	17.37

Source: OHP MOH, 2023

Table 11.5: FV Application and Compliance Rate for 2020 Cohort

State	1 st Application		With 2 times application		With 3 times application		With 4 times application	
	No.	%	No.	%	No.	%	No.	%
Perlis	1,117	99.64	453	40.56	227	20.32	166	14.86
Kedah	3,182	85.35	795	24.98	342	10.75	173	5.44
Pulau Pinang	3,029	100.00	768	25.35	271	8.95	125	4.13
Perak	5,037	98.78	1,179	23.41	443	8.79	132	2.62
Selangor	1,921	99.90	1,133	58.98	911	47.42	711	37.01
FT KL & Putrajaya	787	96.21	225	28.59	88	11.18	27	3.43
Negeri Sembilan	2,726	100.00	715	26.23	447	16.40	256	9.39
Melaka	4,450	97.78	1,669	37.51	812	18.25	397	8.92
Johor	1,714	88.39	677	39.50	434	25.32	286	16.69
Pahang	8,947	96.82	4,886	54.61	3,441	38.46	2,283	25.52
Terengganu	10,522	100.00	3,874	36.82	1,637	15.56	702	6.67
Labuan	4	100.00	0	0.00	0	0.00	0	0.00
Kelantan	7,569	81.27	3,717	49.11	1,867	24.67	845	11.16

State	1 st Application		With 2 times application		With 3 times application		With 4 times application	
	No.	%	No.	%	No.	%	No.	%
Sabah	6,980	100.0	3,206	45.93	1,835	26.29	1,171	16.78
Sarawak	915	99.13	52	5.68	3	0.33	0	0.00
Malaysia	59,011	95.13	23,378	39.62	12,769	21.64	7,263	12.31

Source: OHP MOH, 2023

FISSURE SEALANT PROGRAMME

The school-based fissure sealant programme is part of school dental service. Sealant is a professionally applied material on the pits and fissures of occlusal, buccal and lingual surfaces of posterior teeth to prevent caries initiation and arrest caries progression by providing a physical barrier that inhibits microorganisms and collection of food particles in pits and fissures. In 2023, fissure sealants were rendered to 118,449 of schoolchildren under the school-based Fissure Sealant Programme (**Figure 11.5**).

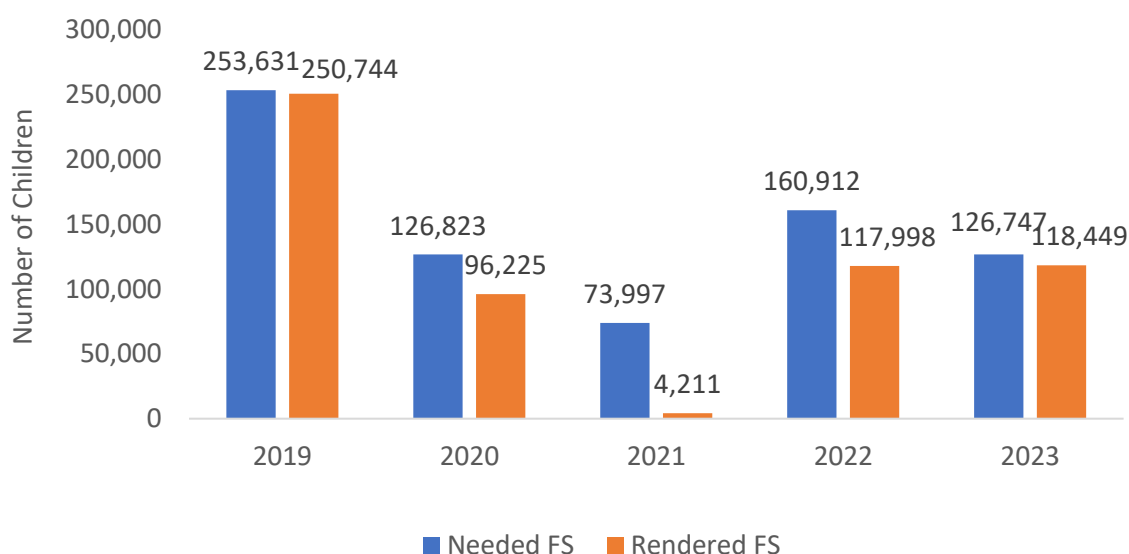


Figure 11.5: Treatment Need and Fissure Sealants Rendered, 2019 to 2023

Source: OHP MOH, 2023

In 2023, a total of 270,262 teeth required fissure sealants, of which 95.13% were fissure-sealed. **Table 10.6** shows number of children and number of teeth needed and rendered FS by state.

Table 11.6: Provision of Fissure Sealants by States, 2023

State	No. of Children			No. of Teeth		
	Needed FS	Rendered FS		Needed FS	Rendered FS	
	No.	No.	Percentage (%)	No.	No.	Percentage (%)
Perlis	1,051	1032	98.19	1,764	1,739	98.58
Kedah	3,188	2,966	93.04	5,440	5,156	94.78
Pulau Pinang	1,459	1,456	99.79	2,397	2,404	100.29

State	No. of Children			No. of Teeth		
	Needed FS	Rendered FS		Needed FS	Rendered FS	
	No.	No.	Percentage (%)	No.	No.	Percentage (%)
Perak	4,744	4,645	97.91	8,246	8,033	97.42
Selangor	5,937	5,765	97.10	10,082	10,057	99.75
FT KL & Putrajaya	1,656	1,542	93.12	2,491	2,339	93.90
Negeri Sembilan	2,135	2,027	94.94	3,611	3,458	95.76
Melaka	6,251	6,192	99.06	12,172	12,116	99.54
Johor	4,048	3,717	91.82	7,061	6,528	92.45
Pahang	14,446	14,644	101.37	28,922	30,075	103.99
Terengganu	6,655	6,148	92.38	10,966	10,334	94.24
Kelantan	37,038	34,985	94.46	92,440	89,256	96.56
PPKK & ILKKM	281	174	61.92	683	333	48.76
Sabah	26,967	23,075	85.57	64,013	56,671	88.53
Sarawak	10,192	9,443	92.65	18,812	17,535	93.21
FT Labuan	699	638	91.27	1,162	1,075	92.51
Malaysia	126,747	118,449	93.45	270,262	257,109	95.13

Source: OHP MOH, 2023

SCHOOL-BASED FLUORIDE MOUTH RINSING PROGRAMME

School-based fluoride mouth rinsing (FMR) programme has been carried out since 2019 at schools among Year One to Year Six school children in the selected schools in low or non-fluoridated areas in Sabah, Sarawak, and Kelantan. In 2023, a total of 70 schools and 4,418 primary school children from Kelantan, Sabah and Sarawak were involved in the FMR programme (**Table 11.7a and b**). There was a reduction in the number of schools participating in this program, due to the introduction of criteria for school selection as stipulated in the revised Manual School-based FMR Programme which started in March 2023. However, Kelantan and Sabah have the highest number of schools participating in the FMR programme in 2023.

Table 11.7a: Schools and Students Participating in Fluoride Mouth Rinsing Programme, 2019 to 2023

State	No. of Schools Participated					Total
	Kelantan	Sabah	Sarawak	Terengganu	Pahang	
2019	24	54	23	0	0	101
2020	32	44	20	0	0	96
2021	0	0	0	0	0	0
2022	33	25	16	0	0	74
2023	29	26	0	4	11	70

Source: OHP MOH, 2023

Table 11.7b: Schools and Students Participating in Fluoride Mouth Rinsing Programme, 2019 to 2023

State	No. of Student Involved					Total
	Kelantan	Sabah	Sarawak	Terengganu	Pahang	
2019	1,293	21,771	3,929	0	0	26,993
2020	2,682	18,250	2,807	0	0	23,739
2021	0	0	0	0	0	0
2022	1,696	10,623	1,111	0	0	13,430
2023	1,270	2,799	0	132	217	4,418

Source: OHP MOH, 2023

COMMUNITY ORAL HEALTH SERVICES

Over the past years, it was reported only a quarter of Malaysian population utilized the MOH oral healthcare services. In an effort to increase accessibility of oral healthcare services to the population, community outreach programmes were introduced to expand oral health services coverage to rural population, marginalized and underprivileged communities in the urban area as well.

Outreach services in the MOH are delivered using mobile dental teams, mobile dental clinics or mobile dental labs. Community outreach services include:

- Urban Transformation Centre (UTC)
- Rural Transformation Centre (RTC)
- Institutions for the elderly
- Institutions for individuals with special needs
- Outreach Services at People's Housing Programme (PPR)
- *Kampung Angkat* (Foster Village) Programme
- Orang Asli & Penan programme
- Other community projects

MOBILE DENTAL CLINIC

In 2023, there were 45 mobile dental clinics (MDCI) equipped with 63 DCCU. A total of 86,864 patients were seen and treated in MDCLs. The information on MDCL is as listed in **Table 11.8**. Three (3) MDCLs in Kedah; 1, Sabah; 1 and Sarawak; 1, were not used in 2023 for outreach services due to breakdown (Sabah and Sarawak) and used at Specialist Dental Clinic which was undergoing renovation (Kedah).

Table 11.8: Information on Mobile Dental Clinic (MDC), 2023

State	Total MDCL	Location in State	Total Dental Chair	No. of Days Operated	Attendance
Perlis	1	Kangar	2	85	2,815
Kedah*	5	Kota Setar (a)	1	19	3,520
		Kota Setar (b)	1	17	

State	Total MDCI	Location in State	Total Dental Chair	No. of Days Operated	Attendance
		Baling	2	38	
		Kulim (a)	1	9	
		Kulim (b)	1	140	
Pulau Pinang	3	Timur Laut	1	76	5,401
		Seberang Perai Utara	2	65	
		Barat Daya	0	36	
Perak	3	Kinta	2	91	8,420
		Hilir Perak	2	93	
		Larut Matang	2	80	
Selangor	3	Gombak	2	3	8,116
		Petaling	2	58	
		Klang	2	43	
FT KL & Putrajaya	2	Kepong	2	36	6,059
		Titiwangsa	2	42	
Negeri Sembilan	2	Kuala Pilah	2	92	6,527
		Seremban	1	59	
Melaka	1	Melaka Tengah	2	52	2,570
Johor	4	Johor Bahru	2	270	14,128
		Muar	1	23	
		Kluang	1	18	
		Batu Pahat	1	56	
Pahang	3	Kuantan	1	87	7,207
		Maran	2	98	
		Kuala Lipis	1	91	
Terengganu*	4	Kuala Terengganu (a)	1	44	4,702
		Kuala Terengganu (b)	1	34	
		Kuala Nerus (a)	1	66	
		Kuala Nerus (b)	1	103	
Kelantan	3	Tanah Merah	1	113	4,599
		Kuala Krai	1	39	
		Kota Bharu	2	86	
FT Labuan	0	-	0	0	0
Sabah	3	Kota Kinabalu	2	67	7,061
		Tawau	2	0	
		Sandakan	2	112	

State	Total MDCl	Location in State	Total Dental Chair	No. of Days Operated	Attendance
Sarawak	8	Kuching	1	49	5,739
		Miri	1	0	
		Samarahan	1	143	
		Sibu	1	2	
		Sarikei	1	7	
		Limbang	1	65	
		Kuching	1	47	
		Bintulu	1	24	
Malaysia	45		63	2,778	86,864

Note: * State with MDCl of one (1) trailer head with two (2) containers

Source: OHP MOH, 2023

MOBILE DENTAL LABORATORY (MDL)

Currently, there are only four (4) mobile dental laboratories (MDLs) available in Malaysia and located in Perak; 1, Kelantan; 2 and Negeri Sembilan; 1. A total of 330 full dentures and 223 partial dentures were produced by MDLs in 2023 (**Table 11.9**).

Table 11.9: Information on Mobile Dental Laboratory, 2023

State	Total MDL	Location in State	No of Days Operated	Attendance		Denture	
				New	Repeat	Full	Partial
Perak	1	Larut Matang & Selama	43	45	6	56	29
Kelantan	2	Gua Musang	209	333	0	78	41
		Tanah Merah	243	98	141	75	66
Negeri Sembilan	1	Seremban	147	117	134	121	87
Malaysia	4	Total	642	593	281	330	223

Source: OHP MOH, 2023

URBAN TRANSFORMATION CENTRE (UTC)

In 2023, there were 22 dental clinics operating at UTCs in the country as listed in **Table 11.10**. A total of 240,279 patients attended UTC dental clinics in 2023 compared to 197,578 in 2022.

Table 11.10: Oral Health Services in Urban Transformation Centres (UTCs), 2019 to 2023

Year	Dental Clinics at UTCs		Patient Attendances
	Total UTC	Location	
2019	22	Ayer Keroh Melaka, Pudu Sentral, Kompleks MBAS Alor Setar, Ipoh, Mini Sentul, Kuantan, Kota Kinabalu, Galeria Johor, Kuching Sarawak, Sungai Petani Kedah, Labuan, Sibu Sarawak, Miri Sarawak, Terengganu, Tawau Sabah, Kota Bharu Kelantan, Keningau Sabah, Kangar Perlis,	378,929

Year	Dental Clinics at UTCs		Patient Attendances
	Total UTC	Location	
		Seremban Negeri Sembilan, Pasir Gudang Johor, Shah Alam Selangor, Keramat	
2020	23	All locations in 2019, Komtar Penang	161,184
2021	23	Same as 2020	120,946
2022	23	Same as 2020	197,578
2023	22	Same as 2020, excluding Keramat	240,279

Source: OHP MOH, 2023

RURAL TRANSFORMATION CENTRE (RTC)

In 2023, there were five (5) RTCs with oral health services component. Compared to 2019, two (2) RTCs no longer provide oral health services due to the establishment of government dental clinics nearby (**Table 11.11**). Patient attendance in 2023 increased to 14,178 compared to 9,924 in 2022.

Table 11.11: Oral Health Services in Rural Transformation Centres (RTCs), 2019 to 2023

Year	Dental Clinics at RTCs		Patient Attendances
	Total RTC	Location	
2019	7	Gopeng, Wakaf Che Yeh, Pekan, Jitra, Sibuti, Mid Layer, Sungai Rambai	14,171
2020	6	Wakaf Che Yeh, Pekan, Jitra, Sibuti, Mid Layer, Sungai Rambai	8,777
2021	5	Wakaf Che Yeh, Sungai Rambai, Pekan, Sibuti, Mid Layer	8,060
2022	5		9,924
2023	5		14,178

Source: OHP MOH, 2023

ORAL HEALTH SERVICES AT ELDERLY AND SPECIAL NEEDS INSTITUTIONS

Outreach Oral Healthcare Programme at elderly and special needs institutions such as *Pusat Pemulihan Dalam Komuniti* (PDK) as well as non-PDK institutions was conducted via mobile dental teams/clinics to provide oral healthcare to these identified groups. A total of 324 elderly institutions were visited and 6,347 patients were seen in 2023. The highest number of institutions visited was in Johor, with 1,074 patients seen at 65 institutions (**Table 11.12**).

Table 11.12: Number of Elderly Patients Seen in Institutions, 2023

State	Government Institution		Private Institution		Total Enrolment	Total Patients Seen
	No. of Institutions	No. of Institutions Visited	No. of Institutions	No. of Institutions Visited		
Perlis	1	1	3	3	153	140
Kedah	3	2	16	16	473	386

State	Government Institution		Private Institution		Total Enrolment	Total Patients Seen
	No. of Institutions	No. of Institutions Visited	No. of Institutions	No. of Institutions Visited		
Pulau Pinang	1	1	32	32	1,181	929
Perak	3	3	68	60	1,188	1,154
Selangor	2	2	45	45	1,248	1,035
FT KL & Putrajaya	0	0	23	15	222	175
Negeri Sembilan	1	1	27	27	450	308
Melaka	2	2	10	8	350	239
Johor	8	8	61	57	1,177	1,074
Pahang	1	1	22	21	372	320
Terengganu	2	2	1	1	172	163
Kelantan	4	2	2	2	168	110
Sabah	2	2	6	6	332	220
Sarawak	2	1	3	3	126	94
FT Labuan	0	0	0	0	0	0
Malaysia	32	28	319	296	7,612	6,347

Source: OHP MOH, 2023

There were 610 special needs institutions visited in 2023, and 11,280 patients were seen. The highest coverage for special needs institutions was in Johor (74) with 1,902 patients seen. (Table 11.13).

Table 11.13 Number of Special Needs Patients Seen in Institutions, 2023

State	PDK		Non-PDK		Total Enrolment	Total Patients Seen
	No. of Institutions	No. of Institutions Visited	No. of Institutions	No. of Institutions Visited		
Perlis	10	10	1	1	291	161
Kedah	43	41	5	5	919	690
Pulau Pinang	22	22	8	8	953	757
Perak	40	40	22	21	1,033	780
Selangor	53	53	6	6	1,844	1,155
FT KL & Putrajaya	14	14	0	0	502	318
Negeri Sembilan	45	45	0	0	836	746
Melaka	17	17	7	7	579	462
Johor	71	70	4	4	2,434	1,902
Pahang	52	52	7	7	939	693

State	PDK		Non-PDK		Total Enrolment	Total Patients Seen
	No. of Institutions	No. of Institutions Visited	No. of Institutions	No. of Institutions Visited		
Terengganu	47	47	1	0	1,274	927
Kelantan	44	44	1	1	735	462
Sabah	32	31	15	13	1,880	1,156
Sarawak	55	48	0	0	1,575	1,036
FT Labuan	2	2	1	1	68	35
Malaysia	547	536	78	74	15,862	11,280

Source: OHP MOH, 2023

OUTREACH SERVICES AT PEOPLE'S HOUSING PROGRAMME (PPR)

This initiative started in 2018, targeting the marginalised population with lower socio-economic status. The oral health services include oral health promotion, prevention and dental treatment. In 2023, a total of 64 PPRs were visited with 3,685 patients received oral healthcare services. The percentage of case completion among these patients was 32.13% (Table 11.14).

Table 11.14: Outreach Services at People's Housing Programme (PPR), 2023

States	No. of PPRs visited	No. of Patients Seen	Percentage Case Completion (%)
Perlis	3	265	24.15
Kedah	6	343	32.07
Pulau Pinang	3	47	25.53
Perak	4	339	46.02
Selangor	4	87	28.74
FT KL & Putrajaya	7	535	42.43
Negeri Sembilan	2	37	13.51
Melaka	3	227	27.31
Johor	3	30	53.33
Pahang	6	226	28.76
Terengganu	1	38	7.89
Kelantan	2	68	36.76
Labuan	0	0	0.00
Sabah	15	1,088	24.17
Sarawak	5	355	42.54
Total	64	3,685	32.13

Source: OHP MOH, 2023

KAMPUNG ANGKAT (FOSTER VILLAGE) PROGRAMME

In 2017, *Kampung Angkat* programme was initiated in Negeri Sembilan to strengthen the oral health promotion activity through community events and home visits. In 2022 it was

implemented nationwide. This programme aims to increase accessibility of oral health services to the rural community. The oral health services provided are oral health promotion, prevention and dental treatment. In 2023, a total of 325 *kampung angkat* were visited and 15,371 patients received dental check-up or treatment. The percentage of case completion among these patients was 31.25% (**Table 11.15**).

Table 11.15: Kampung Angkat by State, 2023

States	No. of Kampung Angkat Visited	No. of Patients Seen	No. of Patients with Case Completion	Percentage Case Completion (%)
Perlis	4	320	118	36.88
Kedah	31	1,555	470	30.23
Pulau Pinang	24	899	285	31.70
Perak	24	1,129	457	40.48
Selangor	23	1,177	417	35.43
FT KL & Putrajaya	5	443	222	50.11
Negeri Sembilan	41	1,034	377	36.46
Melaka	21	1,113	319	28.66
Johor	18	865	319	36.88
Pahang	31	1,355	474	34.98
Terengganu	16	1,228	306	24.92
Kelantan	31	894	245	27.40
Labuan	1	83	17	20.48
Sabah	31	1,878	478	25.45
Sarawak	24	1,398	299	21.39
Total	325	15,371	4,803	31.25

Source: OHP MOH, 2023

ORANG ASLI AND PENAN PROGRAMME

In 2022, coverage of dental services to the Orang Asli and Penan community was identified as one of the Key Performance Indicators of the Ministry of Health's Strategic Plan. The target was set at >15% in 2022. However, in 2023, the oral health coverage of Orang Asli & Penan in Malaysia was 31.33%. Only nine states have Orang Asli community and one state (Sarawak) has Penan community (**Table 11.16**). The oral health services to Orang Asli and Penan are also being provided by NGOs and other agencies such as the Ministry of Higher Education and the Ministry of Defence.

Table 11.16: No. of Orang Asli and Penan Patients Seen by State, 2023

States	Population of Orang Asli and Penan	No. of Patients	Percentage Coverage (%)
Kedah	336	230	68.45
Perak	61,225	19,497	31.84
Selangor	20,961	7,596	36.24
Negeri Sembilan	12,221	4,530	37.07
Melaka	1,833	1,114	60.77

States	Population of Orang Asli and Penan	No. of Patients	Percentage Coverage (%)
Johor	15,825	4,221	26.67
Pahang	78,615	23,724	30.18
Terengganu	1,072	283	26.40
Kelantan	17,487	4,892	27.98
Sarawak	14,325	3,470	24.22
Malaysia	223,900	70,152	31.33

Source: OHP MOH, 2023

PEMASYARAKATAN PERKHIDMATAN KLINIK PERGIGIAN SEKOLAH (PPKPS)

PPKPS was introduced in 2022 at 35 school dental clinics as a pilot project. This initiative was to increase utilisation of oral health services in Malaysia, and has brought positive impact. In 2023, it was implemented nationwide with 100 PPKPS. A total of 5,576 teachers, support staff and their family members had received oral health services from PPKPS. Number of schools with PPKPS and attendance by state are shown in **Figure 11.6**.

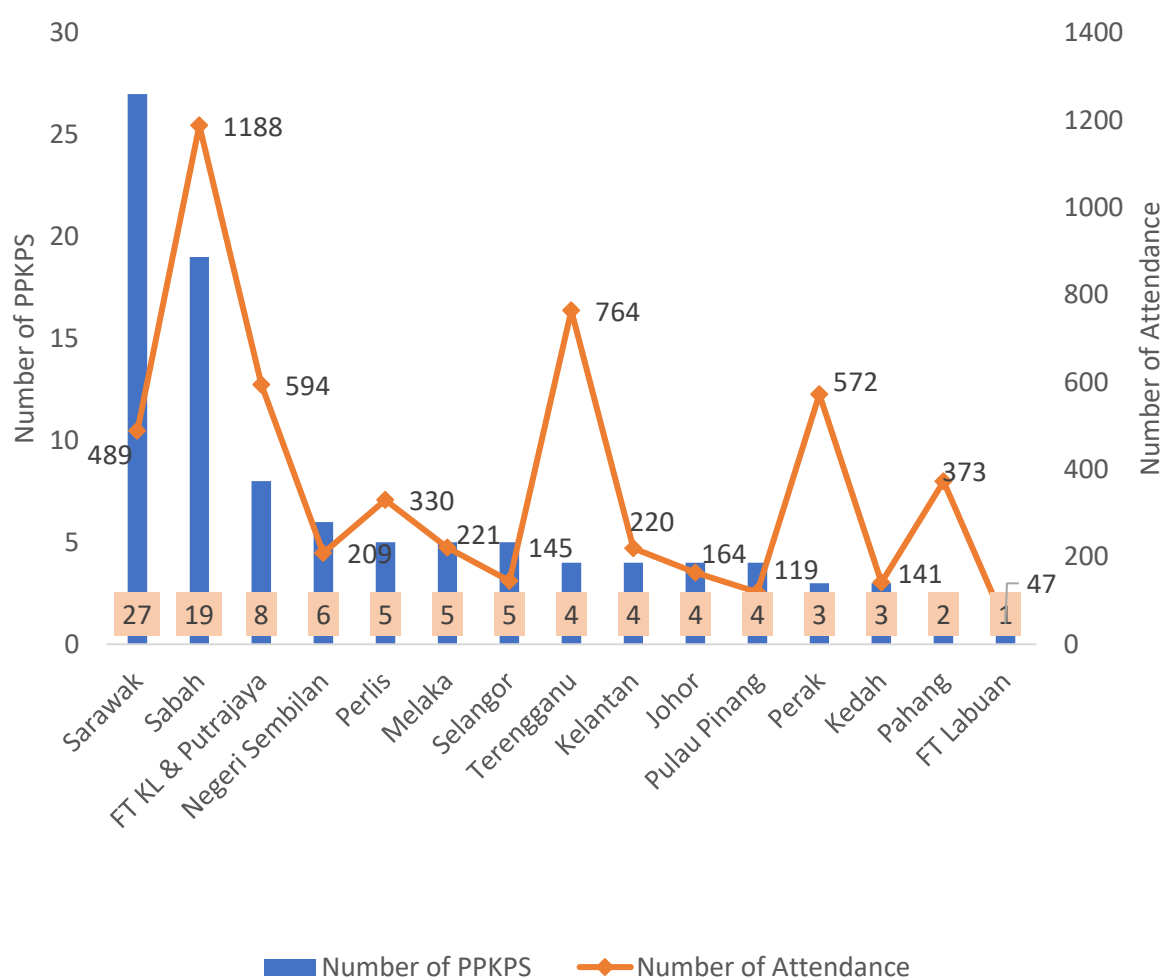


Figure 11.6: Number of PPKPS and attendance, 2023

Source: OHP MOH, 2023

ORAL HEALTHCARE FOR PRESCHOOL CHILDREN

In 2023, there were a total of 22,199 preschools in Malaysia which include 17,021 government and 5,178 privates. The coverage of preschools nationwide from 2019 to 2023 as shown in **Table 11.17**. The coverage of government and private preschools have increased to 97.16% (16,357) and 93.01% (4,816) accordingly in 2023 (**Table 11.18**).

Table 11.17: Coverage of Preschools, 2019 to 2023

Year	Total Preschools Covered	No. of Government Preschools Covered	No. of Private Preschools Covered	Government Preschools Covered (%)	Private Preschools Covered (%)
2019	21,799	16,867	4,932	97.11	97.20
2020	22,254	16,915	5,339	27.70	14.22
2021	24,110	18,557	5,553	11.28	16.46
2022	24,380	18,935	5,445	78.66	77.96
2023	21,353	16,537	4,816	97.16	93.01

Source: OHP MOH, 2023

Table 11.18 shows the coverage of preschools by state, Johor has the highest number of preschools (2,651) followed by Sarawak (2,590) and Sabah (2,505). States with the least number of preschools were Labuan (83) and Perlis (316).

Table 11.18 Coverage of Preschools, by State, 2023

State	Total Preschools	Total Government Preschools	Total Private Preschools	Government Preschools Covered	Private Preschools Covered
Perlis	316	235	81	234	81
Kedah	1,617	1,359	258	1,328	245
Pulau Pinang	812	555	257	552	249
Perak	1,998	1,420	578	1,408	571
Selangor	2,467	1,503	964	1,475	922
FT KL & Putrajaya	597	471	126	463	114
Negeri Sembilan	913	701	212	695	194
Melaka	782	574	208	568	197
Johor	2,651	2,063	588	2,011	553
Pahang	1,619	1,284	335	1,269	323
Terengganu	1,587	1,246	341	1,235	333
Kelantan	1,662	1,230	432	1,220	426
FT Labuan	83	64	19	64	19
Sabah	2,505	2,108	397	2,025	339
Sarawak	2,590	2,208	382	1,990	250
Malaysia	22,199	17,021	5,178	16,357	4,816

Source: OHP MOH, 2023

Out of 620,876 preschool children, 90.09% (559,377) were covered in 2023 (**Table 11.19**).

Table 11.19: Coverage of Preschool Children, by State, 2023

State	Estimated Enrolment of Preschool Children	No. of Preschool Children Covered	Percentage of Preschool Children Covered (%)
Perlis	7,525	7,506	99.75
Kedah	38,194	37,118	97.18
Pulau Pinang	22,599	21,917	96.98
Perak	53,274	47,410	88.99
Selangor	90,030	82,666	91.82
FT KL & Putrajaya	21,748	21,335	98.10
Negeri Sembilan	24,773	21,764	87.85
Melaka	23,035	20,800	90.30
Johor	75,270	63,787	84.74
Pahang	43,769	39,643	90.57
Terengganu	40,981	39,688	96.84
Kelantan	48,824	46,430	95.10
FT Labuan	3,151	2,836	90.00
Sabah	71,145	61,205	86.03
Sarawak	56,558	45,272	80.05
Malaysia	620,876	559,377	90.09

Source: OHP MOH, 2023

ORAL HEALTHCARE FOR SCHOOLCHILDREN

PRIMARY SCHOOLCHILDREN

The percentage of primary schools covered has increased in 2023 (99.63%) from (91.65%) in 2022 (**Table 11.20**). For 2023, a school is considered covered when the schoolchildren are examined regardless of case completion. In contrast to the previous years, when a school was considered covered when 90% of the schoolchildren were case complete.

Table 11.20: Coverage of Primary Schools, 2019 to 2023

Year	Total No. of Primary Schools	No. of Primary Schools Covered	Primary Schools Covered (%)
2019	7,865	7,469	94.97
2020	7,851	2,274	28.96
2021	7,860	110	1.40
2022	7,853	7,197	91.65
2023	7,859	7,830	99.63

Source: OHP MOH, 2023

Coverage of primary schools by state is shown below in **Table 11.21**.

Table 11.21 Coverage of Primary Schools by States, 2019 to 2023

State	Percentage Primary Schools Covered (%)				
	2019	2020	2021	2022	2023
Perlis	100.00	100.00	100.00	46.00	100.00
Kedah	100.00	27.49	15.34	33.21	99.82
Pulau Pinang	100.00	25.56	0.00	73.23	100.00
Perak	99.31	35.36	1.87	82.77	99.88
Selangor	79.76	22.07	0.00	23.76	99.10
FT KL & Putrajaya	100.00	26.67	0.95	72.12	99.04
Negeri Sembilan	100.00	25.36	0.00	31.53	99.44
Melaka	100.00	38.49	0.00	73.64	100.00
Johor	100.00	35.05	0.00	77.89	99.45
Pahang	99.64	33.15	1.07	68.57	100.00
Terengganu	100.00	17.33	0.00	14.02	100.00
Kelantan	99.77	24.07	0.00	29.17	100.00
FT Labuan	100.00	47.06	4.55	94.44	100.00
Sabah	95.07	32.40	0.00	16.00	99.07
Sarawak	84.27	20.71	0.00	33.99	99.84
Malaysia	94.97	28.96	1.40	45.93	99.63

Source: OHP MOH, 2023

In 2023, the coverage of primary schoolchildren increased to 95.51% from 83.25% (2022) (Table 11.22).

Table 11.22 Coverage of Primary Schoolchildren, 2019 to 2023

Year	Enrolment of Primary Schoolchildren	No. of Primary Schoolchildren Covered	Percentage of Coverage (%)
2019	2,724,019	2,706,494	99.35
2020	2,735,590	1,214,270	44.38
2021	2,763,559	150,436	5.44
2022	2,781,193	2,315,432	83.25
2023	2,780,018	2,655,200	95.51

Source: OHP MOH, 2023

More than 99.0% of primary schoolchildren in all states received primary oral healthcare in 2023, where Selangor (522,739) had the highest number of students covered (Figure 11.7).

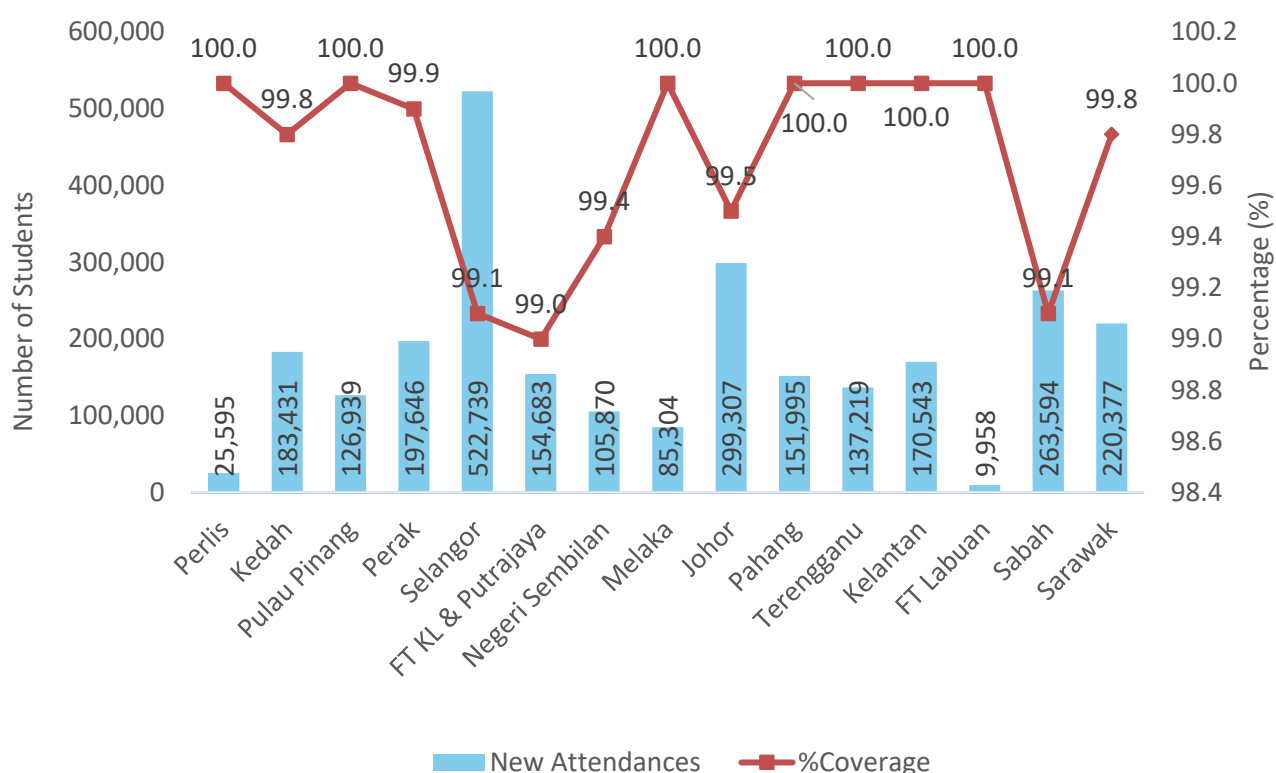


Figure 11.7: Number and Percentage of Primary Schoolchildren Received Primary Oral Healthcare by State, 2023

Source: OHP MOH, 2023

Out of 2,655,200 school children examined in 2023, 89.83% were orally-fit, 54.87% did not require treatment (NTR) and 38.23% were caries-free (**Table 11.23**). Despite of 80.91% primary school children with case completion in 2023, the percentage of school children with no treatment required was only 54.87% in 2023.

Table 11.23: Percentage of Primary Schoolchildren Orally-Fit, NTR and Caries-free, 2019 to 2023

Year	No. of Primary Schoolchildren Covered	Percentage Case Completion	Percentage NTR	Percentage Caries-free Mouth (%)
2019	2,706,494	96.94	62.47	38.35
2020	1,214,270	81.70	60.08	34.46
2021	150,436	56.47	40.17	27.79
2022	2,315,432	80.91	53.87	39.29
2023	2,655,200	89.83	54.87	38.23

Source: OHP MOH, 2023

In 2023, Perak (97.25%) achieved the highest percentage of case completion among the schoolchildren. FT Kuala Lumpur & Putrajaya has the highest percentage of NTR (67.19%) and the highest percentage caries-free mouth schoolchildren (52.03%). The range of percentage maintaining caries-free among the states were between 22.35% and 52.03% (**Table 11.24**).

Table 11.24: Oral Health Status of Primary Schoolchildren by State, 2023

States	Percentage Case Completion (%)	Percentage NTR (%)	Percentage Caries-free Mouth (%)
Perlis	96.84	63.77	41.08
Kedah	84.34	57.84	40.92
Pulau Pinang	95.99	57.87	36.59
Perak	97.25	53.36	36.59
Selangor	93.00	65.30	50.98
FT KL & Putrajaya	96.75	67.19	52.03
Negeri Sembilan	94.96	66.33	50.15
Melaka	96.75	47.63	34.48
Johor	90.18	62.85	44.78
Pahang	95.73	42.56	27.10
Terengganu	82.65	39.19	25.89
Kelantan	88.29	36.72	22.35
FT Labuan	93.21	45.14	27.31
Sabah	76.43	43.54	26.87
Sarawak	82.87	50.32	26.76
Malaysia	89.83	54.87	38.23

Source: OHP MOH, 2023

The gingival health status of primary schoolchildren was assessed based on the Gingival Index for Schoolchildren (GIS) 2013 Guidelines. It was found that 84.38% of primary schoolchildren had a GIS score of 0 (no gingivitis and no calculus) in 2023. Comparison of GIS scores for primary schoolchildren are tabulated in **Table 11.25**.

Table 11.25: GIS score for Primary Schoolchildren, 2019 to 2023

Year	New Attendance	GIS 0	GIS 1	GIS 2	GIS 3
		Number (%)	Number (%)	Number (%)	Number (%)
2019	2,706,494	2,195,260	158,975	231,449	120,810
		(81.11)	(5.87)	(8.55)	(4.46)
2020	1,214,270	1,006,433	67,601	92,515	47,721
		(82.88)	(5.57)	(7.62)	(3.93)
2021	150,436	116,446	11,234	13,644	9,112
		(77.41)	(7.47)	(9.07)	(6.06)
2022	2,781,193	1,938,919	118,135	153,292	100,237
		(69.72)	(4.25)	(5.51)	(3.60)
2023	2,655,200	2,240,501	155,833	143,189	111,534
		(84.38)	(5.87)	(5.39)	(4.20)

Source: OHP MOH, 2023

SECONDARY SCHOOLCHILDREN

In 2023, the percentage of secondary schools covered was 96.92%. **(Table 11.26)**. For 2023, a school is considered covered when the schoolchildren are examined regardless of the percentage of case completion. In contrast to the previous years, a school was considered covered when 90% of the schoolchildren were case complete.

Table 11.26: Coverage of Secondary Schools, 2019 to 2023

Year	Total No. of Secondary Schools	No. of Secondary Schools Covered	Secondary Schools Covered (%)
2019	2,544	2,314	90.95
2020	2,526	706	27.94
2021	2,504	34	1.36
2022	2,507	897	35.77
2023	2,504	2,427	96.92

Source: OHP MOH, 2023

For 2023, in most states, more than 95.00% of secondary school children were covered except Selangor (94.36%), Sarawak (94.09%), Negeri Sembilan (93.55%) and Johor (86.23%) **(Table 11.27)**.

Table 11.27: Percentage of Secondary School Coverage under Incremental Dental Care by State, 2019 to 2023

State	Percentage of Secondary Schools Covered by Year and State (%)				
	2019	2020	2021	2022	2023
Perlis	100.0	93.55	0.00	100.00	100.00
Kedah	100.0	25.62	16.75	35.47	100.00
Pulau Pinang	100.0	23.44	0.00	69.11	100.00
Perak	99.25	31.23	0.00	66.80	99.62
Selangor	92.13	23.68	0.00	16.54	94.36
FT KL & Putrajaya	100.00	35.78	0.00	73.39	99.08
Negeri Sembilan	100.00	33.06	0.00	24.19	93.55
Melaka	100.00	36.71	0.00	59.49	100.00
Johor	100.00	30.07	0.00	64.49	86.23
Pahang	100.00	30.18	0.00	38.12	99.54
Terengganu	99.39	30.30	0.00	4.27	100.00
Kelantan	84.65	28.10	0.00	11.11	100.00
FT Labuan	100.00	30.00	0.00	20.00	100.00
Sabah	65.14	17.43	0.00	4.61	99.07
Sarawak	50.79	16.84	0.00	16.13	94.09
Malaysia	90.96	27.95	1.35	35.78	96.92

Source: OHP MOH, 2023

In 2023, percentage of secondary school children covered increased to 88.54% from 78.91% in 2022 **(Table 11.28)**.

Table 11.28 Coverage of Secondary Schoolchildren, 2019 to 2023

Year	Enrolment of Secondary Schoolchildren	No of Secondary Schoolchildren Covered	Coverage (%)
2019	1,950,362	1,896,608	97.24
2020	1,957,679	929,185	47.46
2021	1,994,132	55,659	2.79
2022	1,975,865	1,559,083	78.91
2023	1,997,680	1,768,691	88.54

Source: OHP MOH, 2023

In most states, more than 90.00% of secondary school children received oral healthcare, where Selangor showed the highest number of students covered, with 315,274 (**Figure 11.8**).

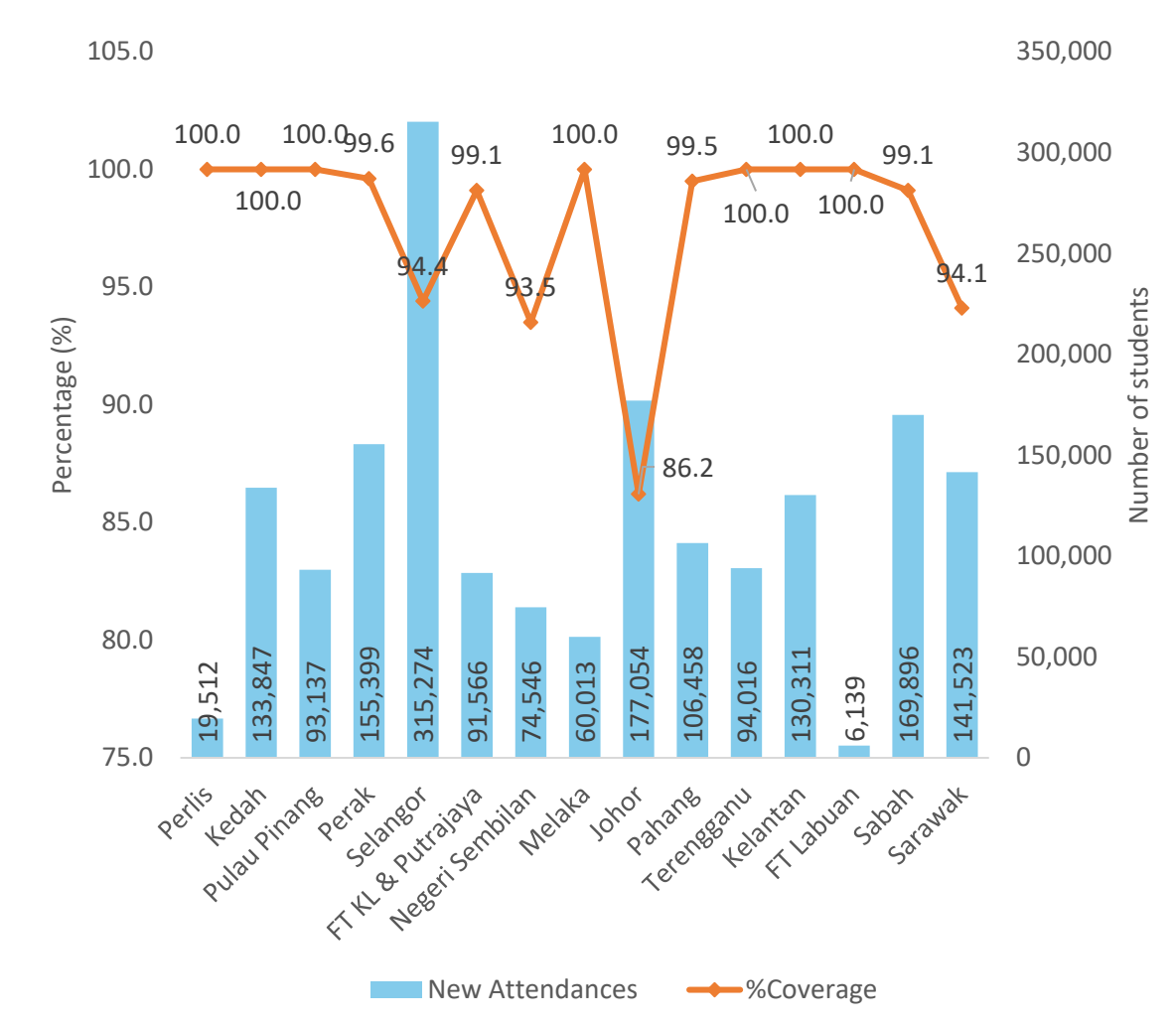


Figure 11.8: Secondary Schoolchildren Receiving Primary Oral Healthcare by State, 2023

Source: OHP MOH, 2023

Out of 1,768,691 secondary schoolchildren examined in 2023, 87.26% were orally-fit, 61.75% did not require treatment (NTR) and 64.73% were caries-free (**Table 10.29**).

Table 11.29 Percentage of Secondary Schoolchildren Orally-Fit, NTR and Caries-free, 2019 to 2023

Year	No of Secondary Schoolchildren Covered	Percentage Case Completion	Percentage NTR	Percentage Caries Free Mouth
2019	1,896,608	94.47	68.43	60.1
2020	929,185	82.31	67.57	58.9
2021	55,659	52.21	38.74	42.1
2022	1,559,083	76.21	61.10	63.8
2023	1,768,691	87.26	61.75	64.73

Source: OHP MOH, 2023

In 2023, the highest percentage of orally fit were in FT KL & Putrajaya (96.54%), and the lowest was Sabah (59.55%). The percentage of NTR among all states was between 32.45% and 74.48%. Selangor has the highest percentage of caries free mouth (80.41%) **(Table 11.30)**.

Table 11.30: Oral Health Status of Secondary Schoolchildren by state, 2023

States	Percentage Case Completion (%)	Percentage NTR (%)	Percentage Caries-free Mouth (%)
Perlis	95.01	67.66	67.46
Kedah	87.55	67.21	72.73
Pulau Pinang	95.75	74.48	72.45
Perak	95.79	66.44	72.71
Selangor	94.33	73.95	80.41
FT KL & Putrajaya	96.54	72.54	79.24
Negeri Sembilan	93.17	66.17	75.43
Melaka	95.27	53.71	66.89
Johor	91.89	71.38	75.25
Pahang	92.81	54.73	53.68
Terengganu	82.78	47.26	51.29
Kelantan	80.50	48.05	43.23
FT Labuan	76.05	32.45	47.04
Sabah	59.55	39.37	35.60
Sarawak	75.69	52.80	51.61
Malaysia	87.26	61.75	64.73

Source: OHP MOH, 2023

IMPACT INDICATORS - CARIES-FREE 6, 12 AND 16-YEAR-OLD SCHOOLCHILDREN AND NTR FOR PRIMARY SCHOOLCHILDREN

Overall, the caries free status of school children in 2023 was the highest for the last five (5) years (2019 until 2023). However, the percentage was still lower than the targets set for caries-free 6, 12 and 16 years old (50.00%, 80.00% and 70.00%) in The National Oral Health Strategic Plan 2022-2030 **(Figure 11.9)**.

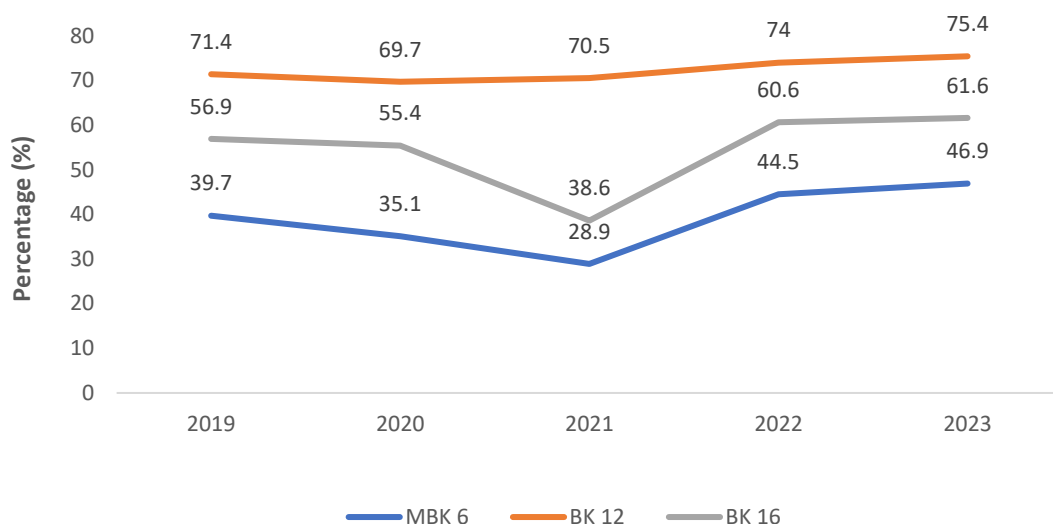


Figure 11.9: Caries Free 6, 12 and 16 years-old Schoolchildren, 2019 to 2023

Source: OHP MOH, 2023

The impact of caries-free 6, 12 and 16 years-old schoolchildren is shown in table below. (Table 11.31).

Table 11.31 Caries Free 6, 12 and 16 years-old Schoolchildren by State, 2023

State	6 Years Old			12 Years Old			16 Years Old		
	New Attendance	No. MBK 6	% MBK6	New Attendance	No. BK 12	% BK12	New Attendance	No. BK 16	% BK16
Perlis	4,190	2,193	52.34	4,034	3,226	79.97	3,431	2,307	67.24
Kedah	29,558	14,487	49.01	30,489	25,064	82.21	24,562	17,178	69.94
Pulau Pinang	20,447	9,433	46.13	20,791	17,009	81.81	17,348	12,018	69.28
Perak	31,242	13,969	44.71	33,162	26,795	80.80	28,830	20,136	69.84
Selangor	86,276	52,274	60.59	83,132	71,965	86.57	57,343	45,219	78.86
FT KL & Putrajaya	26,109	16,315	62.49	23,759	20,385	85.80	16,763	12,965	77.34
Negeri Sembilan	17,423	10,340	59.35	16,934	14,491	85.57	13,595	9,973	73.36
Melaka	14,106	6,335	44.91	13,433	11,019	82.03	10,966	7,070	64.47
Johor	48,884	26,994	55.22	48,145	40,265	83.63	33,289	24,221	72.76
Pahang	25,012	8,376	33.49	24,157	16,160	66.90	19,117	9,649	50.47
Terengganu	22,902	6,761	29.52	21,545	15,226	70.67	16,840	7,975	47.36
Kelantan	26,951	7,367	27.33	28,800	17,267	59.95	23,835	9,308	39.05
FT Labuan	1,692	541	31.97	1,538	922	59.95	1,036	438	42.28
Sabah	41,467	14,939	36.03	43,310	20,841	48.12	30,509	9,479	31.07
Sarawak	32,860	11,040	33.60	39,126	25,151	64.28	27,730	13,192	47.57
Malaysia	429,119	201,364	46.92	432,355	325,786	75.35	325,194	201,128	61.85

Source: Health Informatics Centre, MOH 2023

The mean DMFT for 12-year-old and 16-year-old children were 0.54 and 1.12 as shown in the table (Table 11.32).

Table 11.32: Mean DMFT Score for 12 and 16-year-olds, 2019 to 2023

Age Group	2019	2020	2021	2022	2023
12-year-old	0.7	0.7	0.7	0.6	0.54
16-year-old	1.3	1.4	2.4	1.2	1.12

Source: OHP MOH, 2023

Based on the 2013 GIS Guidelines, 67.48% of secondary schoolchildren had GIS score of 0 in 2023. In 2023, Basic Periodontal Examination (BPE) was introduced to students from Form 3 to Form 5 at selected schools (**Table 11.33**). Number and percentage according to BPE scores and GIS scores for secondary school children is as shown in **Table 11.33 and 11.34**.

Table 11.33: BPE Score for Secondary Schoolchildren, 2023

Year	New Attendances	BPE 0 Number (%)	BPE 1 Number (%)	BPE 2 Number (%)	BPE 3 Number (%)	BPE 4 Number (%)
2023	294,861	207,730	22,413	61,913	2,794	11
		70.45	7.60	21.00	0.95	0.00

Source: OHP MOH, 2023

Table 11.34: GIS Score for Secondary Schoolchildren, 2019 to 2023

Year	New Attendances	GIS 0 Number (%)	GIS 1 Number (%)	GIS 2 Number (%)	GIS 3 Number (%)
2019	1,896,608	1,371,551	167,445	184,359	173,253
		(72.32)	(8.83)	(9.72)	(9.13)
2020	929,185	671,133	85,727	90,000	82,325
		(72.23)	(9.23)	(9.69)	(8.86)
2021	55,659	27,620	9,946	7,387	10,706
		(49.62)	(17.87)	(13.27)	(19.23)
2022	1,559,083	1,025,553	156,272	172,229	205,029
		(65.78)	(10.02)	(11.05)	(13.15)
2023	1,439,926	971,614	137,832	159,329	171,151
		(67.48)	(9.57)	(11.07)	(11.89)

Source: OHP MOH, 2023

PRIMARY PREVENTION & EARLY DETECTION OF ORAL POTENTIALLY MALIGNANT DISORDERS (OPMDs) & ORAL CANCERS

As oral cancer remains a major health concern in Malaysia, the OHP MOH has strengthened its Primary Prevention and Early Detection of OPMDs and Oral Cancers Programme through collaboration with relevant agencies.

In order to enhance the oral cancer screening to population, all new patients aged 18 years old and above that undergo dental screening are also being screened for oral lesions (opportunistic screening). If the oral lesion was suspected as OPMD or oral cancer, the patient

will be referred to a dental specialist for further assessment/ investigation. Referred patients will be followed through on their attendance to specialist clinics and the diagnosis.

High risk communities are identified based on location with widespread prevalence of high-risk habits or identified cancer cases and these communities shall be visited once in every 5 years. However, it is difficult to identify the high-risk communities as the occurrence of oral cancer cases were no longer among estate workers only. Therefore, emphasis was given on mouth self-examination to ensure that individuals are able to identify any abnormalities in their mouth.

HIGH RISK COMMUNITY

In 2023, 672 high-risk communities were visited and 7,580 residents aged 18 years and above were screened for oral lesions (**Table 11.35**). Among the screened patients, one (1) lesion was detected however the patient refused to be referred to dental specialists.

**Table 11.35: OPMDs & Oral Cancer Screening and Prevention Programme
(High Risk Community Screening), 2023**

No. of High-Risk Community Visited		No. of Patients Screened
New	Repeat	
401	271	7,580

Source: OHP MOH, 2023

OPPORTUNISTIC SCREENING AT DENTAL CLINICS AND OUTREACH SETTINGS

In 2023, a total of 2,272,608 patients were screened in dental clinics and outreach activities. For 2023, OHP has set the target of $\geq 83\%$ for the compliance rate of referred patients to be seen by dental specialists in order to strengthen the navigation system. 695 patients with lesions were referred to OMFS/OPOM specialists for further investigation and management. Of these, 630 patients (90.65%) were seen by dental specialists (**Table 11.36**). Percentage of referred patients who turned up at dental specialist clinics by states is shown in **Table 11.37**. All states achieved the target set ($\geq 83\%$).

Table 11.36: Patients Screened and Referred (Opportunistic Screening), 2019 to 2023

Year	No. of New Attendees	No of Patients Screened	No. of Patients with Lesion Referred	No. Seen by Surgeons	
				n	%
2019	2,387,229	112,748	496	406	81.85
2020	1,615,758	601,075	579	485	83.77
2021	1,578,168	1,206,635	636	553	86.95
2022	1,913,923	1,892,283	666	596	89.49
2023	2,394,292	2,272,608	695	630	90.65
Total	20,608,268	6,512,508	4,563	3,579	78.44

Source: OHP MOH, 2023

Table 11.37: Patients Screened and Referred (Opportunistic Screening) by State, 2023

State	No. of New Attendees	No. of Patients Screened	No. of Patients with lesion Referred	No. Seen by Surgeons	
				n	%
Perlis	40,933	40,372	14	14	100.00
Kedah	171,273	161,481	34	31	91.18
Penang	135,887	129,115	35	30	85.71
ILKKM	2,588	2,487	0	0	0.00
Perak	215,455	206,694	94	89	94.68
Selangor	293,148	281,814	71	62	87.32
FT KL & Putrajaya	162,596	149,036	63	53	84.13
N. Sembilan	132,452	127,345	48	44	91.67
Melaka	120,017	114,108	37	33	89.19
Johor	291,903	276,353	53	50	94.34
Pahang	162,757	156,493	48	45	93.75
Terengganu	127,359	118,443	10	9	90.00
Kelantan	155,948	151,944	49	46	93.88
Sabah	172,062	160,919	46	43	93.48
Sarawak	190,000	177,293	89	77	86.52
FT Labuan	12,334	11,364	4	4	100.00
Malaysia	2,386,712	2,265,261	695	630	90.65

Source: OHP MOH, 2023

TRAINING

In 2023, there were 53 calibration sessions done on Primary Prevention and Early Detection of Oral Potentially Malignant Diseases (OPMDs) and Oral Cancers Programme conducted by the states involving 1,152 dental officers. A total of 6,834 dental and non-dental staff of Ministry of Health Malaysia and 99 private medical and dental practitioners participated in sessions on oral cancer awareness & Mouth Self Examination.



ACTIVITIES AND ACHIEVEMENTS : ORAL HEALTH PRACTICE AND DEVELOPMENT DIVISION

06.

- **Oral Health Accreditation and Globalisation**
- **Oral Health Legislation and Enforcement**
- **Oral Health Quality**



KEMENTERIAN KESIHATAN MALAYSIA

ORAL HEALTH ACCREDITATION AND GLOBALISATION SECTION

*Jaminan Kualiti MQA Akreditasi
Dokumen C O P P A jadi panduan
Membantu panel dan M P M penuh dedikasi
Agar cemerlang profesion pergigian*



From left to right:

Ms. Aida maysara binti Ismail N22, Dr. Akmal Aida binti Othman UG56,
Dr. Ainon Natrah binti Aminuddin UG54, Dr. Ili Mazlina binti Mukhtar UG48

ORAL HEALTH ACCREDITATION AND GLOBALISATION

OHP MOH is dedicated to upholding the utmost levels of professionalism within dental practice. Therefore, one of the main functions of this section is to oversee the accreditation processes for both Undergraduate Dental Degree Programmes and Postgraduate Dental Degree Programmes offered by local Higher Education Providers (HEPs). These responsibilities are carried out through its role as the secretariat to two key committees: the Joint Technical Accreditation Committee (JTAC) for undergraduate programmes and the Joint Technical Committee for Evaluation of Dental Specialty Programmes (JTCEDSP) for postgraduate programmes. These committees are established under the jurisdiction of the Malaysian Dental Council (MDC) as mandated by the Malaysian Qualifications Agency Act [Act 679].

In addition, the section represents the OHP MOH in the *Jawatankuasa Penggunaan Fasilitas* (JKPF) MOH, which handles requests from local HEPs to utilize MOH facilities for student training. All requests from HEPs to use MOH facilities for the training of dental undergraduate and postgraduate students were thoroughly reviewed and managed to protect both parties and prevent congestion at the relevant MOH facilities.

This section also plays a crucial role within the ASEAN Joint Coordinating Committee on Dental Practitioners (AJCCD), as part of the Healthcare Services Sectoral Working Group (HSSWG). It contributes to discussions on facilitating cooperation regarding the Mutual Recognition Agreement (MRA) on Dental Practitioners. Alongside the Secretary of the MDC, it represents the Oral Health Programme within this committee, which includes representatives from ten (10) ASEAN member countries. Furthermore, it is responsible for providing insights on matters concerning the liberalisation of the oral health services sector to the Ministry of Investment, Trade, and Industry (MITI) via the Policy and International Relations Division, MOH.

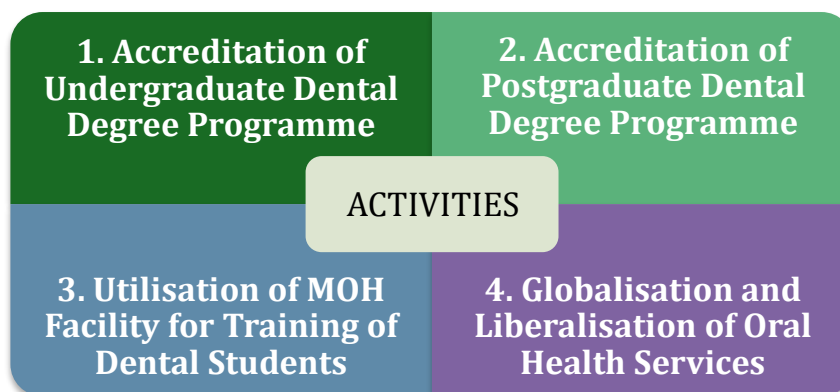


Figure 12.1: Activities of Oral Health Accreditation and Globalisation Section

ACCREDITATION OF UNDERGRADUATE DENTAL DEGREE PROGRAMME

To date, there are 13 Higher Education Providers (HEPs) that offer Undergraduate Dental Degree Programmes accredited under MQA, as listed in **Table 12.1**. The most active period of development of the dental faculty was from 2005 to 2012. Ten (10) dental faculties were established within a span of eight (8) years, compared to a dormant period of about 25 years after the establishment of the first dental faculty at University Malaya. It has now been almost

ten (10) years without any new dental faculties. This is mainly attributed to the moratorium on the establishment of new dental faculties and dental degree programmes.

Table 12.1: List of HEPs and Undergraduate Dental Degree Programmes

No.	Year of 1st Intake	Higher Education Provider	Programmes
A. Public			
1.	1972	Universiti Malaya (UM)	BDS (Malaya) (MQA/FA 0659)
2.	1993	National University of Malaysia (UKM)	DDS (UKM) (MQA/FA 2157)
3.	1997	Universiti Sains Malaysia (USM)	DDS (USM) (MQA/FA 0554)
4.	2006	Universiti Teknologi MARA (UiTM)	BDS (UiTM) (MQA/FA 0338)
5.	2007	International Islamic University of Malaysia (IIUM)	BDS (UIAM) (MQA/FA 1976)
6.	2007	Universiti Sains Islam Malaysia (USIM)	BDS (USIM) (MQA/FA 1897)
B. Private			
1.	2005	Asian Institute of Medical Science and Technology (AIMST)	BDS (AIMST) (MQA/FA 3470)
2.	2006	Penang International Dental College (PIDC)	DDS (PIDC) (MQA/FA 3951)
3.	2007	MAHSA University	DDS (MAHSA) (MQA/FA 4153)
4.	2008	International Medical University (IMU)	BDS (IMU) (MQA/FA 7026)
5.	2009	Manipal University College Melaka (MUCM)	BDS (MUCM) (MQA/FA 9269)
6.	2011	SEGi University	BDS (SEGI) (MQA/FA 1050)
7.	2012	Lincoln University College (LUC)	DDS (LUC) (MQA/FA 1048)

Note: BDS – Bachelor of Dental Surgery, DDS – Doctor of Dental Surgery, FA – Full Accreditation
Source: OHP MOH, 2023

JOINT TECHNICAL ACCREDITATION COMMITTEE (JTAC)

Throughout 2023, a total of six (6) JTAC meetings, chaired by the Director of Oral Health Practice and Development, Oral Health Programme proceeded according to schedule as shown in **Table 12.2**. From these meetings, a total of 29 proposals were prepared and submitted to MDC for deliberation and decision-making, subsequently forwarded to MQA for consideration. These proposals are made in response to the applications from HEPs through MQA following assessment by the Panel of Assessors. Additionally, 16 notification papers have been sent to MDC for matters that solely necessitate decisions at the JTAC level.

Table 12.2: JTAC Meetings in 2023

Jtac Meetings	Date	Proposal Paper	Notification Paper
No 1 / 2023	12.01.2023	4	1
No 2 / 2023	02.03.2023	3	3
No 3 / 2023	08.05.2023	4	2
No 4 / 2023	04.07.2023	5	5
No 5 / 2023	05.09.2023	10	1
No 6 / 2023	01.11.2023	3	3

Source: OHP MOH 2023

The proposals from JTAC in 2023 encompass various areas of assessments and evaluation pertinent to undergraduate dental degree programmes, including:

i. Renewal for Full Accreditation Visits

A total of four (4) HEPs were scheduled for renewal accreditation evaluation in 2023, as depicted in **Table 12.3**.

Based on COPPA BDS 2019 Version 2: HEPs must submit the necessary documents at least eight (8) months prior to the expiry of the current accreditation period, and for renewal accreditation visits, no less than six months before the expiry. Therefore, the HEPs must ensure timely submission of documents to avoid implications resulting from the lapse of accreditation status. SEGi and LUC have been awarded a renewal of accreditation status for their programmes by MDC, while UiTM and USM are continuing the renewal accreditation process, which is expected to be tabled at JTAC in early 2024.

Table 12.3: Renewal for Full Accreditation Visits in 2023

No.	Programme	Expiry Date	Presented at JTAC
1.	BDS (SEGI) (MQA/FA 1050)	01.6.2023	No.3/2023 (08.5.2023) No.4/2023 (04.7.2023)
2.	DDS (LUC) (MQA/FA 1048)	21.9.2023	No.4/2023 (04.7.2023)
3.	BDS (UiTM) (MQA/FA 0338)	31.10.2023	No.5/2023 (05.9.2023) (Application to extend Accreditation Period)
4.	DDS (USM) (MQA/FA 0554)	14.4.2024	Complete document received: 14.12.2023

Source: OHP MOH, 2023

ii. Full Accreditation Visit

The Diploma in Dental Therapy (*Diploma Terapi Pergigian*) (MQA/FA 13408) programme by Institut Latihan Kementerian Kesihatan Malaysia (Pergigian) (ILKKM) Pulau Pinang was presented at JKTAP No.3/2023 on 8 May 2023, and following that, the proposal paper was prepared. However, after discussion with MQA, it was decided that the proposal should not be presented to the MDC as the programme is not yet due for assessment.

During the JTAC meeting No.4/2023 on 4 July 2023, it was agreed that the assessment should focus on the Diploma Kejururawatan Pergigian Programme and be conducted perpetually according to the existing MQA Standard Operating Procedures (SOP), which is not yet under JKTAP. This is because the last cohort of this program was in 2019, prior to the Dental Act 2018 coming into force. ILKKM will need to submit a new application for full accreditation of the Diploma in Dental Therapy programme under MQA-MPM after the maturity period is reached, which is six (6) months before the first cohort graduates.

iii. Monitoring Evaluation

Monitoring evaluations were completed for two (2) HEPs, as shown in **Table 12.4**:

Table 12.4: Monitoring Evaluation in 2023

No.	Programme	Presented at JTAC
1.	DDS (UKM) (MQA/FA 2157)	No.1/2023 (20.1.2023)
2.	DDS (LUC) (MQA/FA 1048)	No.1/2023 (20.1.2023)

Source: OHP MOH, 2023

iv. Curriculum Review

In accordance with the standards set in COPPA BDS 2.1, all programmes must ensure that their curriculum undergo review every five (5) years. Three (3) programmes underwent curriculum review, presented at JTAC meetings (**Table 12.5**) and all were approved by MDC.

Table 12.5 Curriculum Review in 2023

No.	Programme	Presented at JTAC
1.	BDS (UIAM) (MQA/FA 1976)	No.2/2023 (02.3.2023)
2.	BDS (MUCM) (MQA/FA 9269)	No.4/2023 (04.7.2023)
3.	DDS (LUC) (MQA/FA 1048)	No.5/2023 (05.9.2023)

Source: OHP MOH, 2023

AMENDMENT TO STUDENT INTAKE QUOTA

Despite the moratorium on dental undergraduate programs being lifted in 2019, any requests to increase student intake are contingent upon the capacity of the HEP to accommodate them. This encompasses both the infrastructure of the HEP and the availability of academic staff. JTAC reviewed three (3) applications, detailed in **Table 12.6**.

Table 12.6: Amendment to Students Intake Quota in 2023

No.	Programme	Presented at JTAC
1.	BDS (MUCM) (MQA/FA 9269)	No.5/2023 (05.9.2023)
2.	BDS (AIMST) (MQA/FA 3470)	No.5/2023 (05.9.2023)
3.	BDS (SEGI) (MQA/FA 1050)	No.5/2023 (05.9.2023)

Source: OHP MOH, 2023

CREDIT TRANSFERS (CT)/ MINIMUM ENTRY REQUIREMENT (MER)

JTAC considered six (6) applications, as listed in **Table 12.7**.

Table 12.7: Credit Transfers (CT) / Minimum Entry Requirement (MER) in 2023

No.	Programme (Number of Application)	Type	Presented at JTAC
1.	DDS (MAHSA) (MQA/FA 4153): (3)	CT	No.1/2023 (20.1.2023)
2.	BDS (IMU) (MQA/FA 7026): (1)	MER	No.1/2023 (20.1.2023)
3.	DDS (LUC) (MQA/FA 1048): (1)	CT	No.2/2023 (02.3.2023)
4.	BDS (SEGI) (MQA/FA 1050): (1)	MER	No.3/2023 (08.5.2023)

Source: OHP MOH, 2023

GUIDELINE ON CURRICULUM REVIEW OF DENTAL DEGREE PROGRAMME

The curriculum review guideline sets out to outline the components of the curriculum and information that are required to be submitted by the HEP in the process of curriculum review. It was formulated by the COPPA_UG Dental committee, with Emeritus Prof. Dato' Dr. Wan Mohamad Nasir bin Wan Othman and Prof. Dato' Dr. Mohamed Ibrahim bin Abu Hassan serving as co-chairs. It was then presented at the JTAC meeting No. 5/2023 on 5 September 2023 and endorsed during the 10th MDC meeting on 25 September 2023.

CODE OF PRACTICE FOR PROGRAMME ACCREDITATION (COPPA) FOR DENTAL THERAPY PROGRAMME

With the Dental Act 2018 [Act 804] coming into force on 1 January 2022, dental therapists are now regulated under this Act, and qualifications for registration as a dental therapist must be recognised by the MDC. Consequently, at the JTAC Meeting No. 3/2023 on 8 May 2023, it was decided to appoint a committee to develop the Code of Practice for Programme Accreditation document for the Dental Therapy Diploma Programme (COPPA-DTP). This committee is chaired by Assoc. Prof. Dr. Nik Mohd Mazuan bin Nik Mohd Rosdy, who has previously been involved in assessments of dental therapy programmes.

After the appointment, the COPPA_DTP committee has held a number of meetings and discussions. The Chairman presented Sections 1 and 2 of COPPA DTP at the JTAC 6/2023 on 1 Nov 2023 with minor amendments. The committee continues to develop the COPPA documents for the DTP program and aims to be ready for endorsement by the MDC in 2024.



Image 12.1: Several discussion sessions in developing the COPPA DTP documents for the year 2023

ACCREDITATION OF POSTGRADUATE DENTAL DEGREE PROGRAMME

As of December 2023, there are six (6) public and one (1) private Higher Education Providers (HEPs) offering accredited Postgraduate Dental Degree Programmes under MQA, as shown in **Table 12.8**. However, the Oral and Maxillofacial Radiology specialist programme is not yet being offered by any local university.

Table 12.8: List of HEPs and Dental Specialty Programme

SPECIALTY PROGRAMMES	HIGHER EDUCATION PROVIDER (HEP)						
	UM	USM	UKM	UiTM	UIAM	USIM	MAHSA
Dental Public Health	/	/		/			
Endodontics			/	/			
Forensic Odontology			/				
Oral and Maxillofacial Radiology							
Oral and Maxillofacial Surgery	/	/	/				
Oral Pathology and Oral Medicine/ Oral Medicine	/			/			
Orthodontics	/		/	/	/	/	
Paediatric Dentistry	/	/	/	/	/		
Periodontology	/	/	/	/			/
Prosthodontics	/			/	/		
Restorative Dentistry	/	/	/	/			/
Special Needs Dentistry	/			/			
Number of Specialty Programmes	9	5	7	9	3	1	2

Source: OHP MOH, 2023

JOINT TECHNICAL COMMITTEE FOR EVALUATION OF DENTAL SPECIALTY PROGRAMMES (JTCEDSP)

Since 2022, following the Dental Act 2018 [Act 804] coming into force, the responsibility and role as secretariat to the JTCEDSP was transferred from the MQA to the Oral Health Accreditation and Globalization Section. This committee, chaired by the Director of Oral Health Policy and Strategic Planning Division by virtue of the post, aims to develop, uphold, and enhance the quality of specialty training in nationally recognized areas of dentistry.

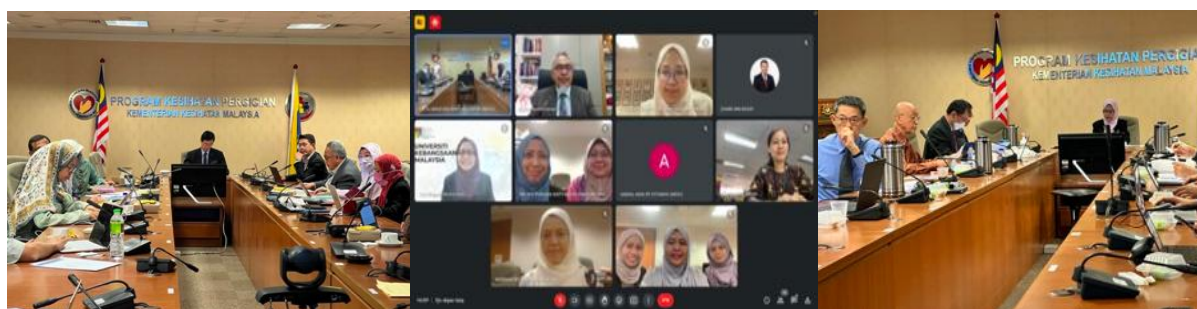


Image 12.2: JTCEDSP and JTAC Meetings that were held in a hybrid manner in 2023

In 2023, six (6) JTCEDSP meetings were convened, occurring bi-monthly as scheduled to ensure smooth progress of the accreditation process for dental specialty programmes as shown in **Table 12.9**. Following these meetings, a collective of 20 proposals and one (1) notification paper were prepared and submitted to MDC for deliberation and decision-making.

Table 12.9: JTCEDSP Meetings in 2023

JTCEDSP MEETINGS	DATE	PROPOSAL PAPER	NOTIFICATION PAPER
No 1 / 2023	09.02.2023	2	1
No 2 / 2023	06.04.2023	6	-
No 3 / 2023	23.06.2023	2	-
No 4 / 2023	16.08.2023	4	-
No 5 / 2023	05.10.2023	3	-
No 6 / 2023	07.12.2023	3	-

Source: OHP MOH, 2023

The MDC approved provisional accreditation status for eight (8) programmes and full accreditation for two (2) programmes, as indicated in **Table 12.10**.

Table 12.10: List of Postgraduate Dental Degree Programmes Approved by the MDC, 2023

No.	HEP	Programme
A. Provisional Accreditation		
1.	UKM	Master of Dental Public Health (MQA/PA 14385)
2.	UKM	Doctor in Dental Public Health (MQA/PA 14393)
3.	IIUM	Master of Dentistry (MQA/PA 16110)
4.	IIUM	Doctor in Paediatric Dentistry (MQA/PA 15747)
6.	MAHSA	Doctor in Orthodontics (MQA/PA 16120)
7.	USIM	Doctor in Orthodontics (MQA/PA 15282)
8.	UiTM	Doctor in Oral Maxillofacial Pathology and Oral Medicine (MQA/PA 15003)
B. Full Accreditation		
1.	UKM	<i>Sarjana Sains Gunaan Pergigian</i> (MQA/FA 14384)
2.	MAHSA	Doctor in Restorative (MQA/FA 9235)

Source: OHP MOH, 2023

CODE OF PRACTICE FOR PROGRAMME ACCREDITATION POSTGRADUATE DENTAL DEGREE PROGRAMMES (COPPA_PG DENTAL)

A committee was also established to develop the Code of Practice for Programme Accreditation Postgraduate Dental Degree Programmes (COPPA_PG Dental) document, which is headed by the Chairman of the Dental Deans Council, Prof. Dr. Zamri bin Radzi.

Additionally, 12 sub-committees associated with the JTCEDSP, known as the Dental Specialty Education Committee (DentSEdC), have been formed. These committees comprise specialists in their respective fields of specialty and are tasked with the responsibility of developing and reviewing the programme standards for the Dental Specialty Programme.

The COPPA documents for the PG programme, which include program standards, are currently in the development phase. Throughout this process, the COPPA_PG Dental Committee has convened multiple meetings and discussions, including with the DentSEdC committee. Sections I and II of COPPA for the PG Dental Degree Program were presented to JTCEDSP 4/2023 on 16 August 2023 with minor revisions.



Image 12.3: Several discussion sessions in developing the COPPA PG documents in 2023

UTILISATION OF MOH FACILITY FOR TRAINING OF DENTAL STUDENTS

Memorandum of Agreement (MoA) were signed with each relevant HEP for undergraduate dental programmes, in the best interest of both the MOH and the HEPs. Presently, there are 13 HEPs that have active MoAs with the MOH for this purpose. As of 2023, only two (2) HEPs were up for renewal (**Table 12.11**), while MoAs with eleven (11) other HEPs remain active.

Table 12.11: Memorandum of Agreement for Renewal in 2023

No.	HEP (Programme)	Expiry Date	Renewed Period
1.	PIDC (DDS)	02.11.2023	03.11.2023 - 02.11.2030
2.	SEGi (BDS)	30.11.2023	01.12.2023 - 30.11.2030

Source: OHP MOH, 2023

Moreover, applications from several local universities to place postgraduate students at Oral Health Specialist Clinics/departments were received and processed. These encompass a range of specialties including Oral and Maxillofacial Surgery, Orthodontics, Paediatric Dentistry, Oral Pathology, Oral Medicine and Dental Public Health. Such attachments are compulsory training for postgraduates. Additionally, the section received applications from medical faculties for the training of Otorhinolaryngology (ORL) and Plastic Surgery postgraduate students at Oral Maxillofacial Specialist Clinics. **Table 12.12** and **Table 12.13** presents the applications from the HEPs for the utilisation of MOH facilities for the training of dental students in 2023.

Table 12.12: Undergraduate Student Training Attachments at the MOH Facilities in 2023

Students	Community Postings		Clinical Postings	
Undergraduate	- MAHSA (2) - UITM (1) - UM (1) - USIM (1) - SEGI (1)	- UKM (1) - PIDC (1) - USM (1) - IMU (1) - AIMST (1)	Dental: - MAHSA (2) - USIM (1) - SEGI (2) - LUC (1) - PIDC (1) - IMU (1)	Foreign HEPs for Elective Postings United Kingdom (1)

Source: OHP MOH, 2023

Table 12.13: Postgraduate Student Training Attachments at the MOH Facilities in 2023

Students	Community Postings	Clinical Postings		
Postgraduate	• UiTM (1) • USM (2) • UM (1)	<u>Dental:</u> • UM (8) • USM (4) • UKM (4) • UiTM (8) • IIUM (1)	<u>ORL:</u> • IIUM (3) • UKM (9) • UM (3)	<u>Plastic:</u> • USM (1)

Source: OHP MOH, 2023

GLOBALISATION AND LIBERALISATION OF ORAL HEALTH SERVICES

ASEAN JOINT COORDINATING COMMITTEE ON DENTAL PRACTITIONERS (AJCCD)

The AJCCD operates as a subcommittee within the Healthcare Services Sectoral Working Group (HSSWG), aiming to foster collaboration concerning the Mutual Recognition Agreement (MRA) on Dental Practitioners. Malaysia's representation in the AJCCD comprised the Deputy Director of the section and the Secretary of MDC. The 31st and 32nd meetings of AJCCD took place online in Jakarta on 31st January 2023, and the meeting on 14th November 2023, marked the first in-person gathering in Brunei Darussalam since the COVID-19 pandemic.

The meeting focused on enhancing collaboration regarding the MRA on Dental Practitioners. Key topics deliberated during the AJCCD meetings comprised:

- ASEAN Dental Practice Standards.
- ASEAN Minimum Common Competency Standards for Dental Undergraduate Education (AMCCSDUE)
- Mechanism of Mobility for ASEAN Dentists
- Comparison Matrices on Important Elements of the Implementation Plans
- National Professional Dental Regulatory Authority (PDRA) Website
- Statistical Data on ASEAN Foreign Dental Practitioners on Temporary Licensing
- Sharing on Post-COVID-19 Experience

GLOBALISATION OF ORAL HEALTH SERVICES

Additionally, this section provided feedback/input regarding dental services in bilateral or multilateral negotiations between Malaysia and various countries, including:

- Negotiations with the United Kingdom under the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) for Investment and Cross-Border Trade in Services.
- ASEAN Community Vision 2045, demonstrating commitment to building a resilient, innovative, dynamic, people-centred ASEAN.
- Bilateral Cooperation and Memorandum of Understanding between Malaysia and the United States of America
- Protocol To Amend ASEAN Agreement on The Movement Of Natural Persons (MNP)

ORAL HEALTH LEGISLATION AND ENFORCEMENT

*Lembut srikandi jangan diduga
Gagah meredam aral melintang
Perkhidmatan diperati peraturan dijaga
Pertahan akta dari petualang*



From left to right:

Dr. Akmarliza binti Abdullah UG54, Dr. Haznita binti Zainal Abidin UG54,
Ms. Shabariah binti Che Mohd Yusoff U36, Dr. Khadijah binti Wahab UG54,
Dr. Rosmaria binti Deraman UG54,

ORAL HEALTH LEGISLATION AND ENFORCEMENT

The Oral Health Legislation and Enforcement Section is responsible for all activities about legislation, enforcement of the Dental Act 2018 [Act 804], the Private Healthcare Facilities and Services Act 1998 [Act 586], and other Acts related to the dental practices as well as occupational safety and health in dental facilities under the Ministry of Health (MOH) Malaysia. The Section consists of four (4) units that play an important role in different aspects but towards the same objectives to ensure the safety and quality of dental services provided (Figure 13.1).

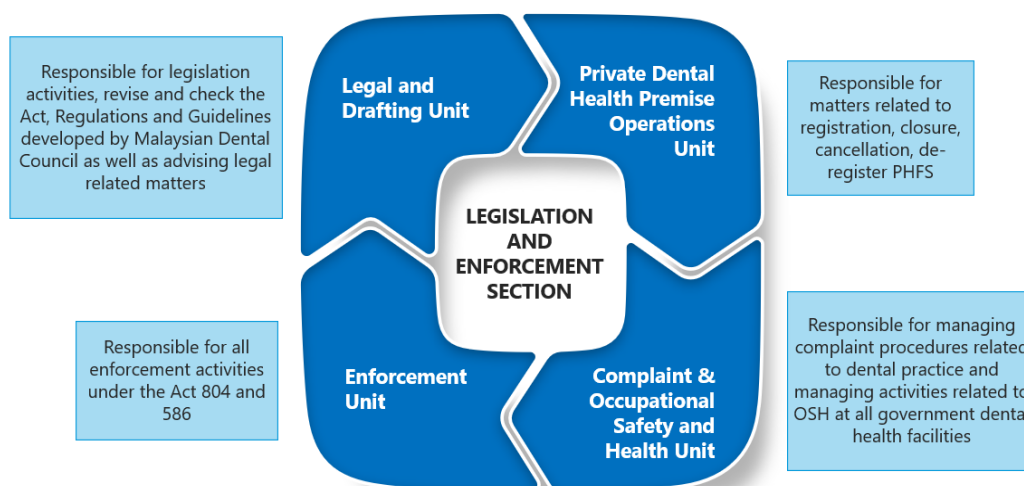


Figure 13.1: Units of Oral Health Legislation and Enforcement Section

The section's activities are also supported by 103 authorized officers appointed under Act 804 and 52 inspectors appointed under Act 586. In 2023, the function of the division was based on the following units:

LEGAL AND DRAFTING UNIT

The main function of this unit is to enact laws and regulations related to dental practice, besides providing input related to other laws that have an impact on dental practice. The scope of work of this unit is shown in Figure 13.2.



Figure 13.2: Activities of Legal and Drafting Unit

PRIVATE DENTAL HEALTH PREMISE OPERATIONS UNIT

The main function of this unit is to review and verify application for registration of new Private Dental Clinics (PDC), amendment to the Certification of Registration (COR) for existing PDC, besides reviewing the floor plan for licensing applications of Private Hospital Services (PHS) and Ambulatory Care Centers (ACC) with dental components. In 2023, this unit also oversaw the verification inspection of PDC for the implementation of compulsory services in the Private Dental Facilities (PDF) by the guidelines of the MDC effective July 2022. The activities are shown in **Figure 13.3**.

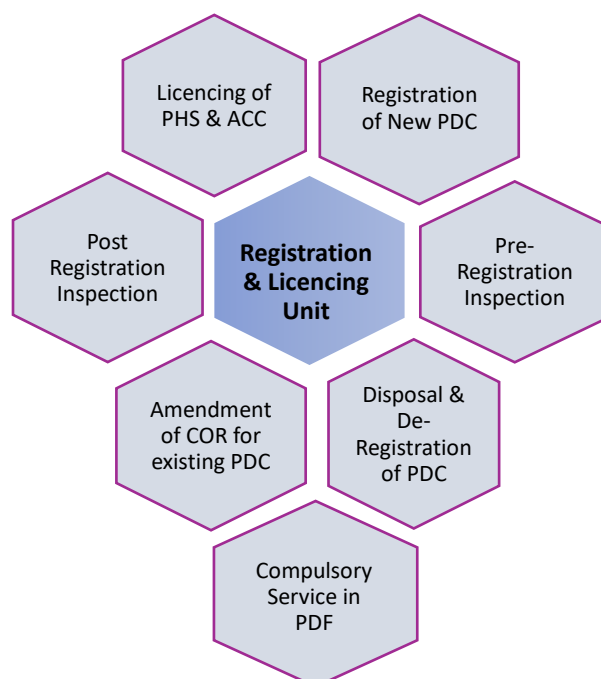


Figure 13.3: Activities Under the Private Dental Health Premise Operations Unit

ENFORCEMENT UNIT

The dental enforcement unit is responsible to:

- i. Regulate the practice of dentistry under the Act 804
- ii. Ensure all registered private dental clinics comply with Act 804 and its regulations, Act 586 and its regulations and guidelines issued by the Malaysian Dental Council
- iii. Take appropriate enforcement action on complaints related to illegal dental practices

Activities conducted under this unit are:

- i. Curb illegal dental practice
- ii. Monitor, verification and surveillance inspection of PDC
- iii. Review investigation papers
- iv. Manage the appointment of authorized officers
- v. Prosecution
- vi. Supervision of enforcement activities

OCCUPATIONAL SAFETY AND HEALTH UNIT

This unit is responsible for:

- i. Monitoring and supervising occupational safety and health audits at government dental facilities throughout the states
- ii. Reviewing guidelines on occupational safety and health
- iii. Reviewing the occupational safety and health audit checklist as required
- iv. Monitoring the incidence of injuries due to sharp tools among dental staff at all government dental facilities
- v. Monitoring the prevalence of dental staff infected with (detected) infectious diseases
- vi. Conducting training sessions for State/Federal Territory Occupational Safety and Health Auditors

DENTAL ACT 2018 [ACT 804] AND DENTAL REGULATIONS

A year of enforcement of the Act 804 presented with many challenges in ensuring that the Act was regulated effectively.

One of the key changes in Act 804 is the establishment of an enforcement team. These officers are authorized to investigate and take action against unregistered practitioners and are subject to the guidelines that have been developed. Under this act, the Dental Regulations (Compounding Offences) are also being developed and are being reviewed by the Legal Advisor's Office of the Ministry of Health Malaysia.

NEW REGISTRATION OF PRIVATE DENTAL CLINIC (PDC)

Starting 1 April 2023, the pilot project of the new process of registration for PDC under Act 586 was introduced and expanded to all states by the end of the year. This new policy will come into force on 1 January 2024 and all PDC registration applications will be fully processed by the Private Medical Practice Control Section (PMPCS) headquarters. Based on the new policy, there will no longer be a need for pre-registration inspection and the post-registration inspection which will be replaced by *Pemeriksaan Pematuhan Piawai (3P)*, *Pasca Pemeriksaan Pematuhan Piawai (4P)* or *Pasca Pemeriksaan Pematuhan Piawai Kedua (4P2)*.

In 2023, the number of applications for the registration of new PDC increased to 657 as compared to the 535 number of applications received in 2022. A total of 387 pre-registration inspections were conducted, and 450 new PDC were approved in 2023, including applications received in 2022 (**Figure 13.4**).

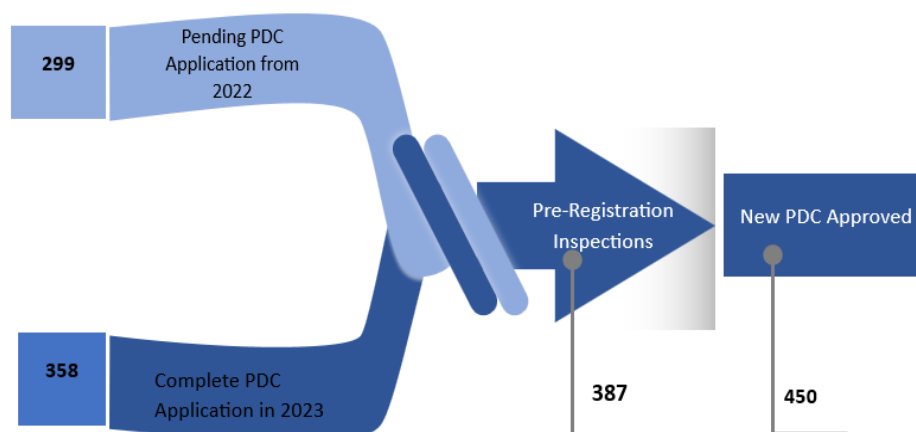


Figure 13.4: New Private Dental Clinic Application Processed in 2023

PRE-REGISTRATION INSPECTION

The pre-registration inspection is conducted after the owner of the registration certificate or the Person in Charge (PIC) of the premises to be registered has notified the MOH that the renovation has been completed. Pre-registration inspection must be conducted within seven (7) working days of notification of renovation completion. A total of 337 (87.08%) pre-registration inspections were successfully carried out within seven (7) days of receiving notification as shown in **Figure 13.5**.

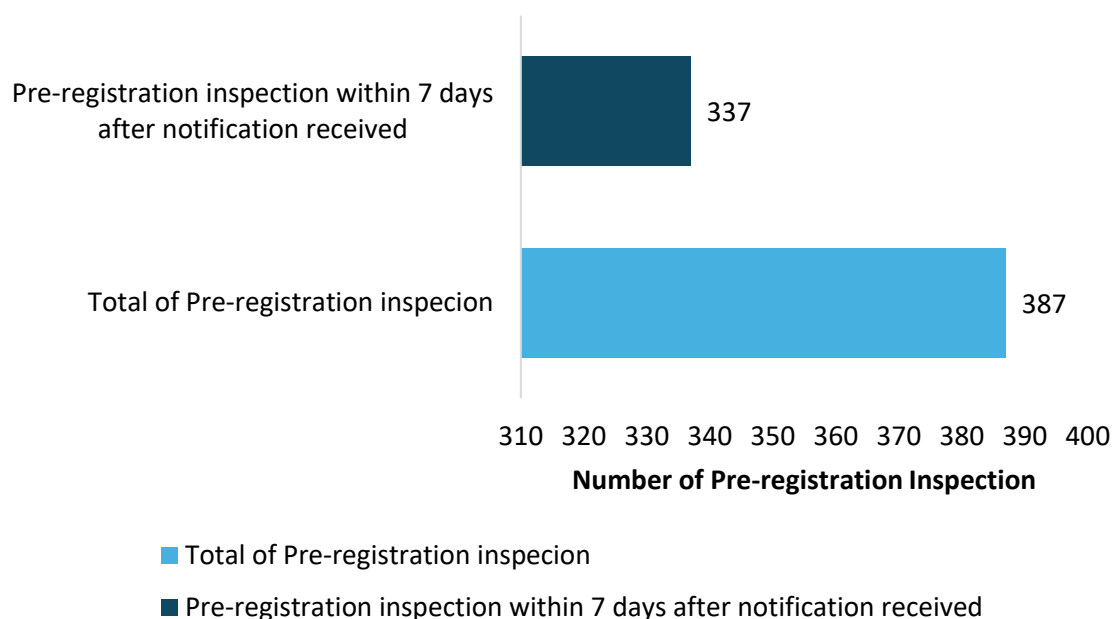


Figure 13.5: Pre-registration Within Seven (7) Working Days, 2023

Source: OHP MOH, 2023

The number of new PDC registrations decreased in 2023 compared to 2022, most likely due to the pilot project implementation of the new policy on PDC registration. However, the number of active PDC has been increasing annually over the past five (5) years (**Figure 13.6**).

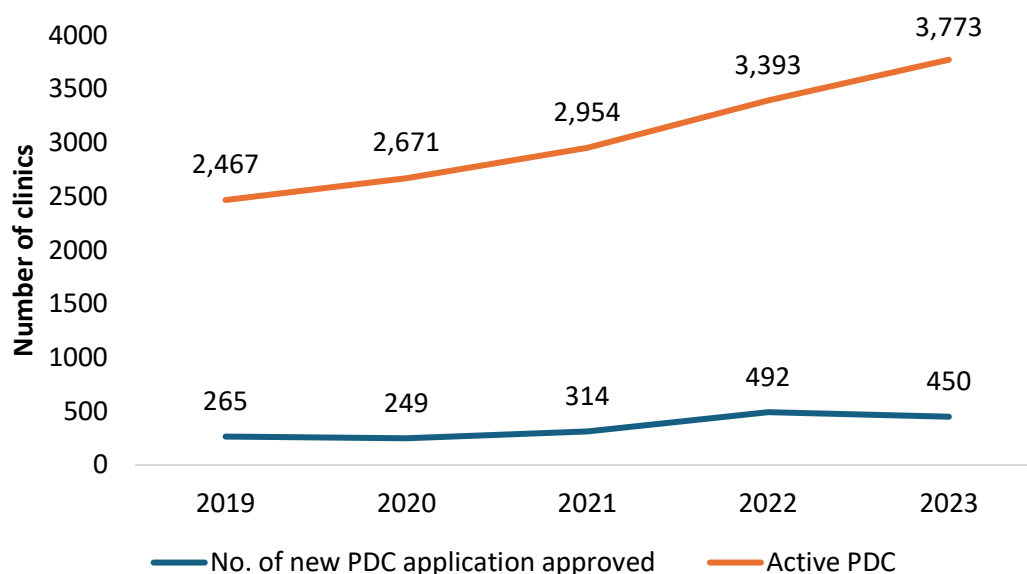


Figure 13.6: Private Dental Clinic Applications Approved for Registration and Active Private Dental Clinic, 2019 to 2023

Source: OHP MOH, 2023

Selangor recorded the highest number throughout 2023, at 34.89%, followed by FT Kuala Lumpur & Putrajaya, with 14.22% of the new registrations of PDC in Malaysia. The distribution of new PDC by state in 2023 is shown in **Figure 13.7**.

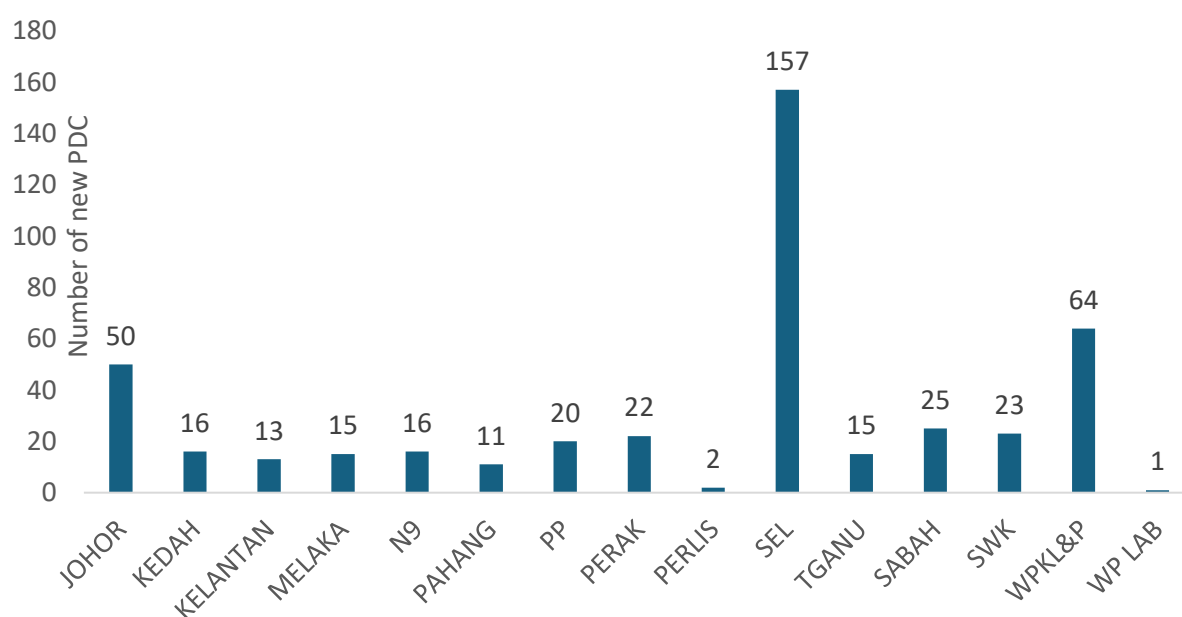


Figure 13.7: Distribution of New Private Dental Clinics by State, 2023

Source: OHP MOH, 2023

POST-REGISTRATION INSPECTION

Post-registration inspections will be conducted after the PIC of a PDC receives the COR or Form C. This is to ensure that the clinic meets the requirements for registration and provides high-quality dental care (**Figure 13.8**).

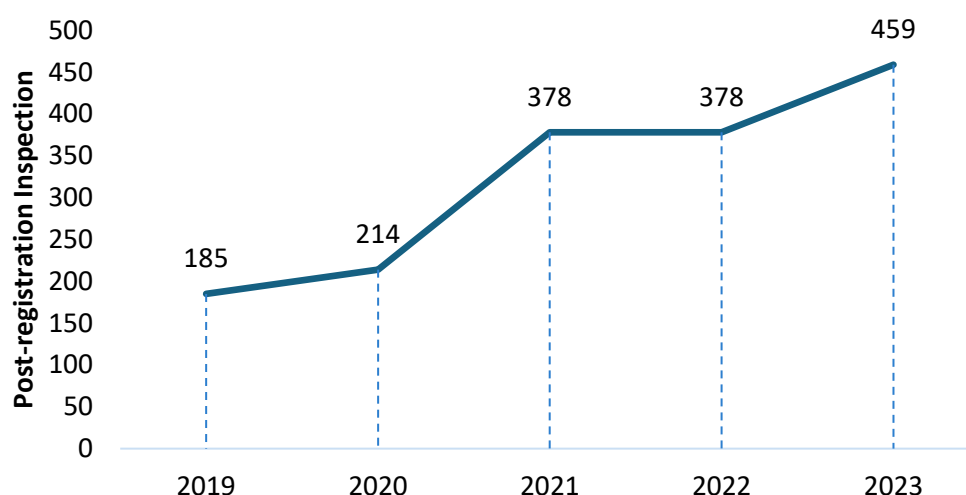


Figure 13.8: Post-Registration Inspection Activities, 2019 to 2023

Source: OHP MOH, 2023

POST-REGISTRATION INSPECTIONS AFTER RECEIVING CERTIFICATE OF REGISTRATION (COR)

In 2023, a total of 221 (48.25%) of post-registration inspections were conducted within the stipulated time frame (within six (6) months of receiving COR) (**Figure 13.9**).

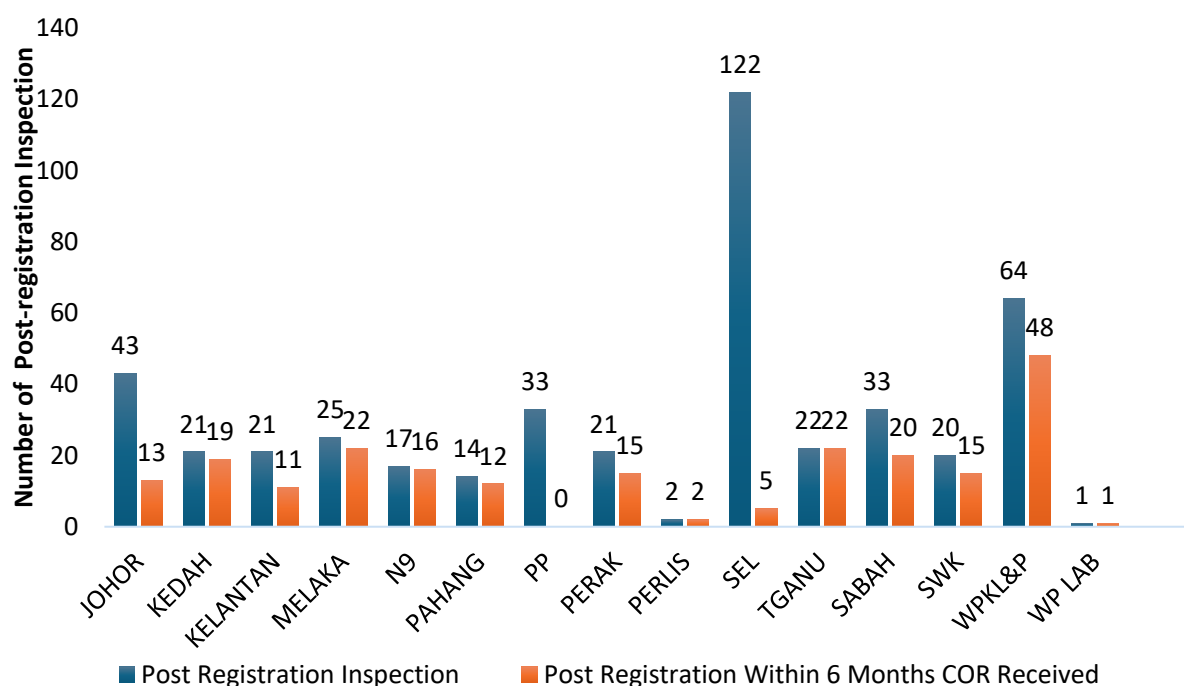


Figure 13.9: Post-Registration Inspections Within 6 Months, 2023

Source: OHP MOH, 2023

LICENSING OF PRIVATE HOSPITAL SERVICES (PHS) AND AMBULATORY CARE CENTERS (ACC) WITH DENTAL COMPONENTS

The Oral Health Legislation and Enforcement Section also assists in reviewing the floor plan of

the PHS and ACC with dental components. As of 31 December 2023, there were 28 PHS, eight (8) ACC and one (1) combined facility (PHS & ACC) with dental components that have been approved (**Figure 13.10**).

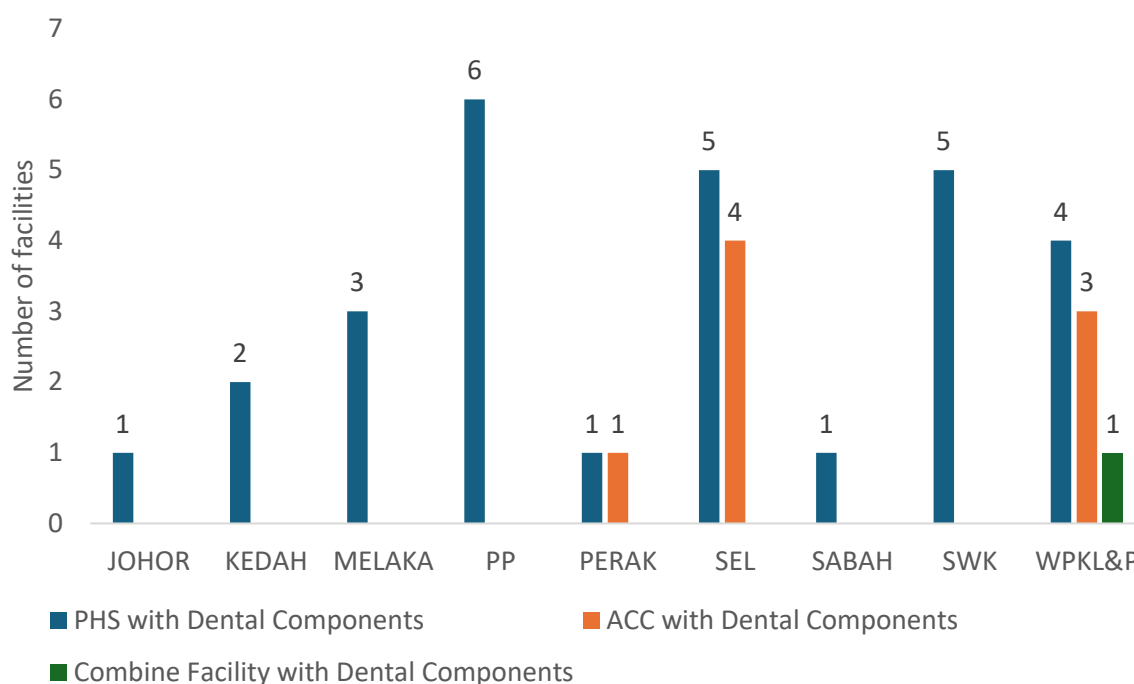


Figure 13.10: Private Hospitals Services and Private Ambulatory Centre by State, 2023

Source: OHP MOH, 2023

DISPOSAL/ CANCELLATION/ WITHDRAWAL OF PRIVATE DENTAL CLINIC REGISTRATION

This section was also responsible to oversee the disposal and closure of dental clinics and withdrawal or registration applications by the PIC. The number of disposals or cancellations of PDC increased by 32.08%, from 53 in 2022 to 70 in 2023 as shown in **Figure 13.11**.

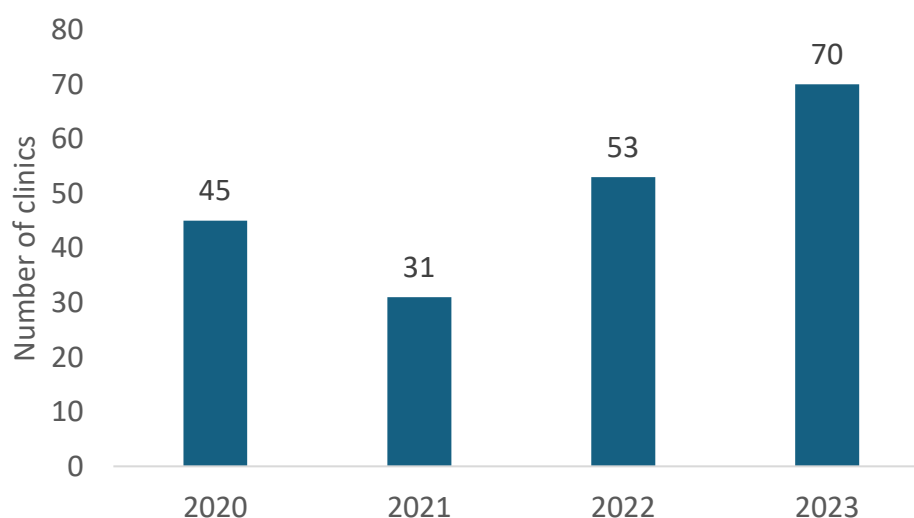


Figure 13.11: Trend of Disposal/ Cancellation of Private Dental Clinics, 2020 to 2023

Source: OHP MOH, 2023

A periodic inspection was conducted to ensure that the PDC is in compliance with the Acts and Regulations. Monitoring targets for year 2023 is shown in **Table 13.1**.

Table 13.1: Monitoring Targets of Private Dental Clinics in 2023

Total Number of Private Dental Clinics	Targets of Monitoring (%)	States Involved
≤ 80	100	Perlis, Terengganu, FT Labuan
81-150	80	Kedah, Sembilan, Melaka, Pahang, Kelantan, Sarawak,
150-250	60	Pulau Pinang, Perak, Sabah
≥ 251-350	40	-
> 351	30	FT Kuala Lumpur & Putrajaya, Selangor, Johor

Source: OHP MOH, 2023

A summary of the performance of monitoring inspections by states is shown in Table 13.2. The state of Perlis, unable to meet the target due to one clinic, was removed for administrative reasons effective September 2023.

Table 13.2: Monitoring Inspection Achievements by States in 2023

State	Number of Private Dental Clinic (PDC)				
	No. of PDC by 1 Jan 2023	Target Monitoring Inspection (%)	No. of Target Monitoring Inspection	No. of Achieved Inspection	Achieved Inspection (%)
Perlis	13	100	13	12	92.30
Kedah	135	80	108	108	100.00
Pulau Pinang	240	60	144	144	100.00
Perak	185	60	111	111	100.00
Selangor	1,123	30	337	337	100.00
FT KL & P	541	30	148	148	100.00
Negeri Sembilan	106	80	85	85	100.00
Melaka	83	80	66	66	100.00
Johor	392	100	118	118	100.00
Pahang	90	80	72	72	100.00
Terengganu	77	100	64	64	100.00
Kelantan	100	80	80	80	100.00
Sabah	183	60	110	110	100.00
Sarawak	123	80	98	98	100.00
FT Labuan	2	100	3	3	100.00
Total	3393	95.00	1,583	1,582	99.94

Source: OHP MOH, 2023

The monitoring inspection in 2023 shows the highest achievement in five years, as shown in **Figure 13.12**.

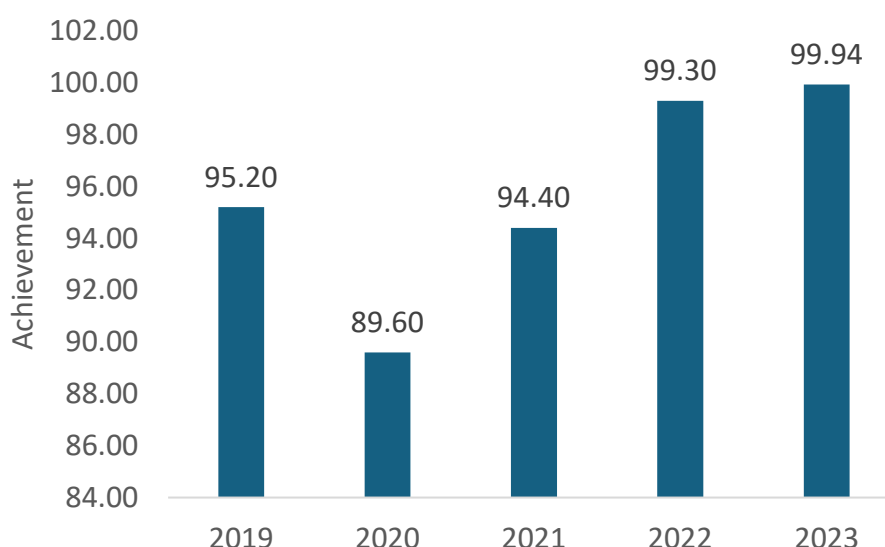


Figure 13.12: Trend of Achievement of Private Dental Clinic Monitoring Inspection, 2019 to 2023

Source: OHP MOH, 2023

SURVEILLANCE INSPECTION OF PRIVATE DENTAL CLINICS (PDC)

Surveillance inspections were conducted on PDC that did not comply with Act 586 and its Regulations during pre-registration, post-registration and monitoring inspections. These inspections were carried out after a specified non-compliance notice period had been issued. The trend of surveillance inspections conducted over the past five (5) years is shown in **Figure 13.13**.

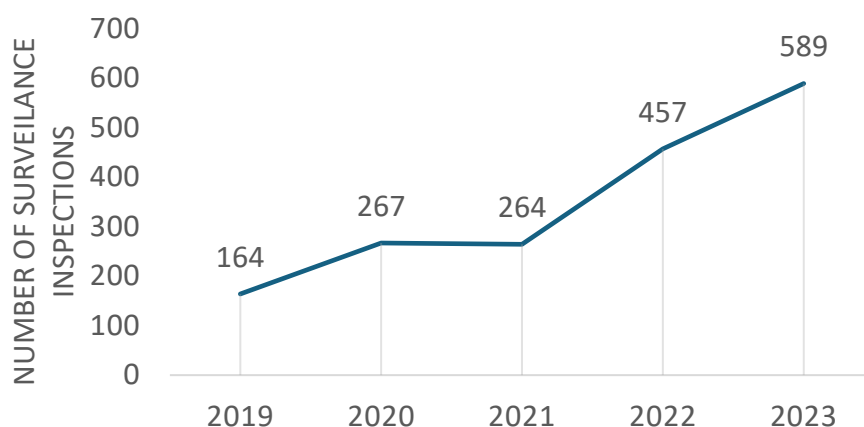


Figure 13.13: Private Dental Clinic Surveillance Inspection, 2019 to 2023

Source: OHP MOH, 2023

The number of surveillance inspections conducted in 2023 increased to 28.88% from the previous year, with 589 inspections conducted. Additionally, the number of notices of non-compliance issued increased by 23.99%, with a total of 1,256 notices issued.

VERIFICATION INSPECTION OF PRIVATE DENTAL CLINICS (PDC)

Rectification inspections are conducted by the PMPCS Headquarters to verify the disposal or

cancellation of PDC registration and floor plan modifications. In 2023, there were 32 inspections conducted for disposal or cancellation of PDC registration and 119 inspections conducted for floor plan renovation.

FT KL & Putrajaya reported the highest number of inspections for disposal/cancellation of PDC registration verification (11 inspections) while Kedah reported the highest number of inspections for verifying floor plan modifications (33 inspections). The results of the inspections are shown in **Table 13.3**.

Table 13.3: Verification Inspection Conducted by State, 2023

State	No. of Verification Inspection	
	Number of Disposal of Private Dental Clinic	Number of Floor Plan Renovation
Perlis	2	0
Kedah	1	33
Pulau Pinang	0	0
Perak	0	3
Selangor	6	23
FT KL & P	11	11
Negeri Sembilan	4	19
Melaka	3	2
Johor	3	8
Pahang	1	1
Terengganu	0	4
Kelantan	0	3
Sabah	1	7
Sarawak	0	5
FT Labuan	0	0
Total	32	119

Source: OHP MOH, 2023

IMPLEMENTATION OF COMPULSORY SERVICES IN PRIVATE DENTAL FACILITIES

In 2023, this unit also oversaw the verification inspection of PDF for the implementation of compulsory services in the private facilities by the guidelines of the MDC effective in July 2022. The number of verification inspections and applications approved are shown in **Figure 13.14**

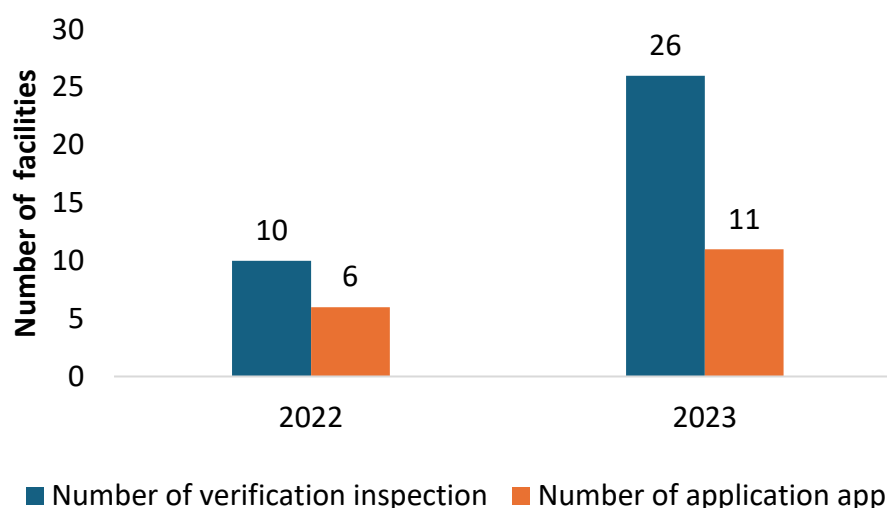


Figure 13.14: Verification Inspection & Application Approved of Compulsory Private Dental Facilities 2022 – 2023

Source: OHP MOH, 2023

In 2023, a total of 26 applications were received for verification purposes and 11 applications (42.32%) have been approved by the MDC.

COMPLAINT MANAGEMENT

All information and complaints regarding PDC and illegal practitioners were handled in accordance with the SOP for Complaint Management under Act 804 and Act 586.

All complaints received were registered and a preliminary information report was prepared within three (3) days. The total number of complaints received decreased from 117 in the year 2022 to 92 in 2023. Complaints concerning illegal dental practice or unregistered premises also decreased from 97 in 2022 to 75 cases in 2023 (**Figure 13.15**).

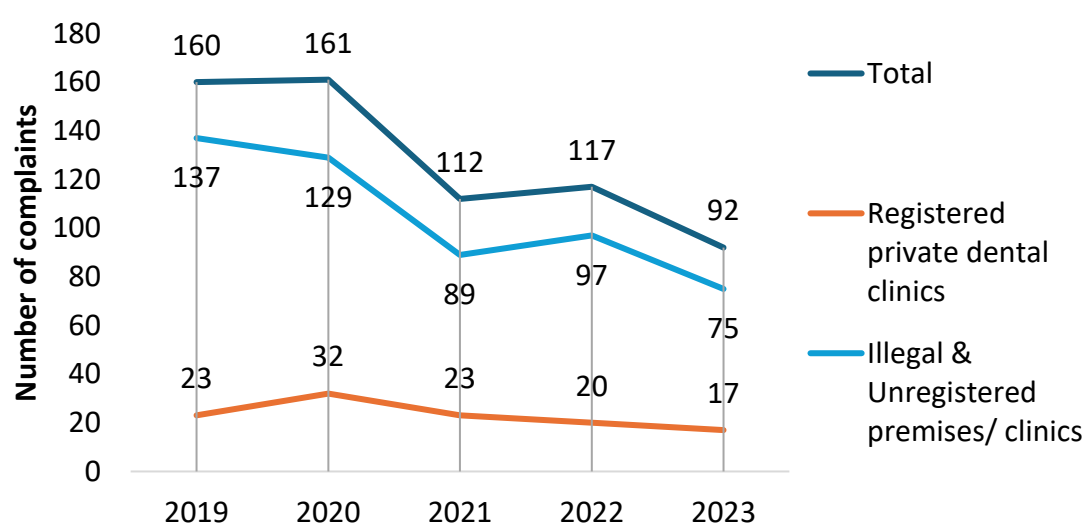


Figure 13.15: Complaints Trend, 2019 to 2023

Source: OHP MOH, 2023

Out of 75 complaints, 73 cases involved illegal dental practice and 2 cases at unregistered PDF. For the illegal dental practice received in 2023, the majority of the complaints (32 complaints) were about fake braces followed by complaints about dental veneers (23 complaints) and other services such as denture, whitening, extraction and others (17 complaints) as shown in **Figure 13.16**.

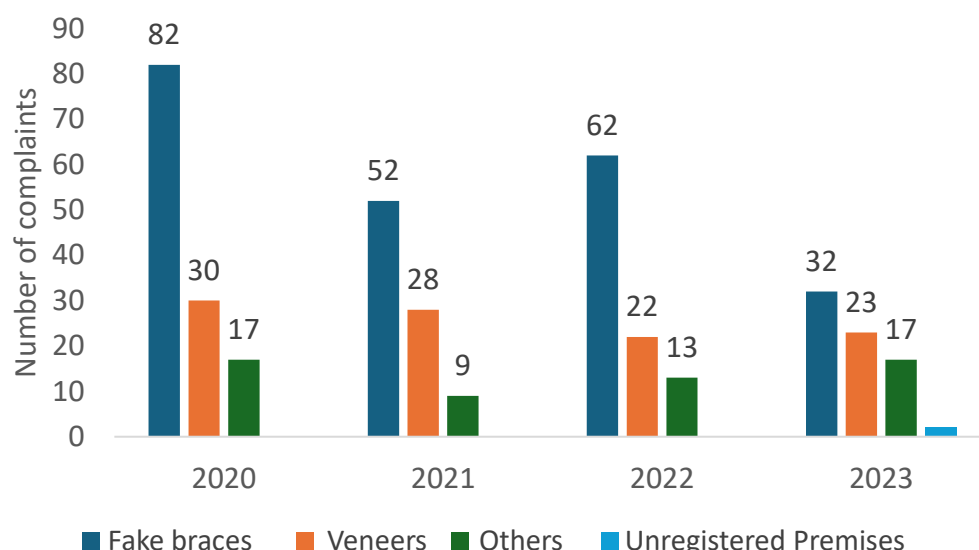


Figure 13.16: Complaints Concerning Illegal Dental Practices or Unregistered Dentists, 2020 to 2023

Source: OHP MOH, 2023

COMPLETION OF COMPLAINTS

In 2023, 17 complaints related to PDC were fully resolved. Enforcement action taken on illegal dental practices increased in 2023 compared to the previous year, as shown in **Figure 13.17**.

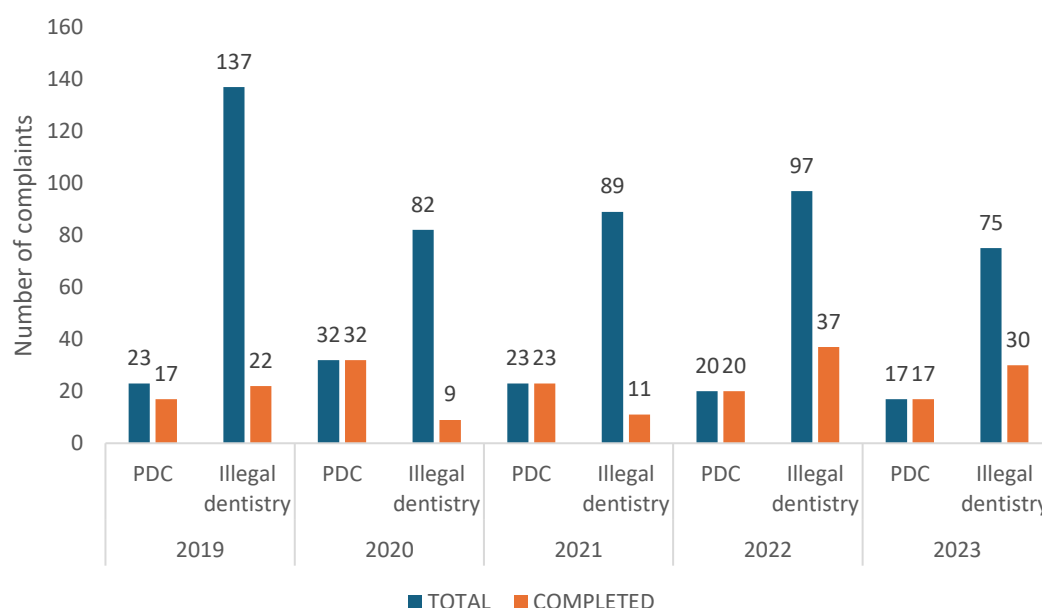


Figure 13.17: Complaints Completed, 2019 to 2023

Source: OHP MOH, 2023

RAIDING ACTIVITIES

Raiding activities were conducted on PDC since 2020 to monitor compliance with the related act. In 2023, the main purpose of raiding activities was to combat unregistered dental clinics or premises that were suspected of violating the law. The summary of the raids is shown in Figure 13.18.

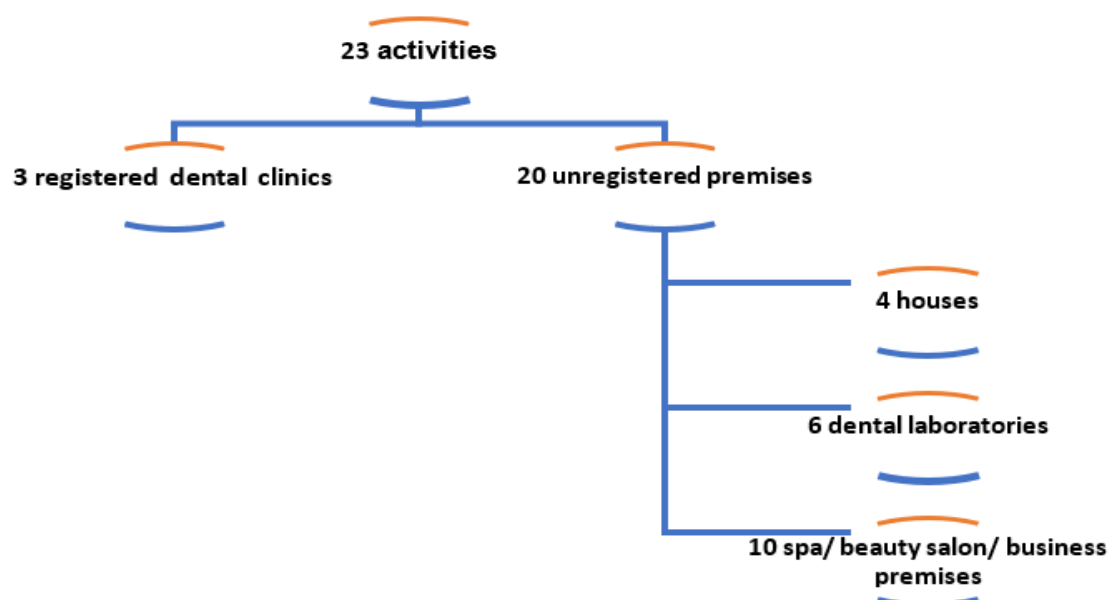


Figure 13.18: Summary of Raiding Activities in 2023

Source: OHP MOH, 2023

In 2023, authorized officers carried out a total of 23 raids in efforts to curb illegal dental practices. A total of 67 investigation papers were opened for prosecution with fines collected amounting to MYR 806,000.

OCCUPATIONAL SAFETY AND HEALTH (OSH) AUDIT

The OSH audit implementation conducted in all type of facilities as follows:

- i. Dental clinic in health clinic
- ii. Standalone dental clinic
- iii. Dental clinic in the hospital
- iv. Dental specialist clinic in the hospital
- v. Non-hospital-based dental specialist clinic in health clinic
- vi. The dental clinic at the Urban Transformation Centre (UTC)
- vii. The dental clinic at the Rural Transformation Centre (RTC)
- viii. Dental clinics at institutions
- ix. The dental clinic at the Mother and Child Health Clinic (MCHC)
- x. Mobile/ Boat Dental Clinic
- xi. Dental school clinic/ dental school center
- xii. Mobile dental team
- xiii. Mobile dental lab

One of the OHP MOH KPIs in the year 2023 was the percentage of MOH dental facilities which achieved 90% or more compliance during safety and health audits to ensure audited facilities are at the optimum levels set at $\geq 88\%$.

In 2023, 50.28% of dental facilities in the state and the Federal Territory (1,175 out of 2,337) were planned for OSH audits. The details of the audit achievements are shown in **Table 13.4**.

Table 13.4: MOH Dental Facilities Which Achieved 90 Percent or More Than Comply to OSH Audit, 2023

State	Number of MOH Dental Facilities Which Achieved 90 Per Cent or More Compliance During OSH Audit	Number Of MOH Dental Facilities Audited	Percentage (%)
Kedah	84	84	100.00
Perlis	25	25	100.0
Pulau Pinang	70	71	98.59
PPKK & ILKKM	3	3	100.0
Perak	98	98	100.00
Selangor	87	90	96.67
FT KI & Putrajaya	52	52	100.00
Negeri Sembilan	59	61	96.72
Melaka	43	43	100.00
Johor	114	121	94.21
Pahang	95	95	100.00
Terengganu	65	65	100.00
Kelantan	104	106	98.11
Sabah	103	108	95.37
Sarawak	133	149	89.26
FT Labuan	4	4	100.0
Total	1,139	1,175	96.94

Source: OHP MOH, 2023

INCIDENCE OF SHARP INJURIES

In 2023, the OSH Unit documented incidents of injuries caused by sharp equipment in government dental facilities. The incidence of sharp injuries is depicted in **Figure 13.19**.

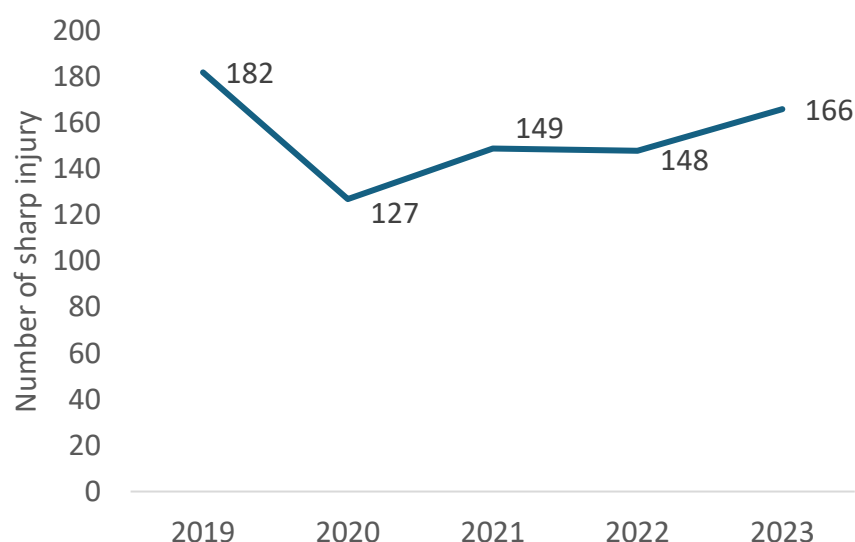


Figure 13.19: Trend of Sharp Injury Incidence, 2019 to 2023

Source: OHP MOH, 2023

There were 166 cases of sharp injuries among government dental staff. There were more incidents in 2023 compared to 2022 by about 12.00%. Out of 166 reported sharp clinical instrument injury cases, hypodermic needle injury was the most common cause of injury (47.59%; 79 cases) as shown in **Figure 13.20**.

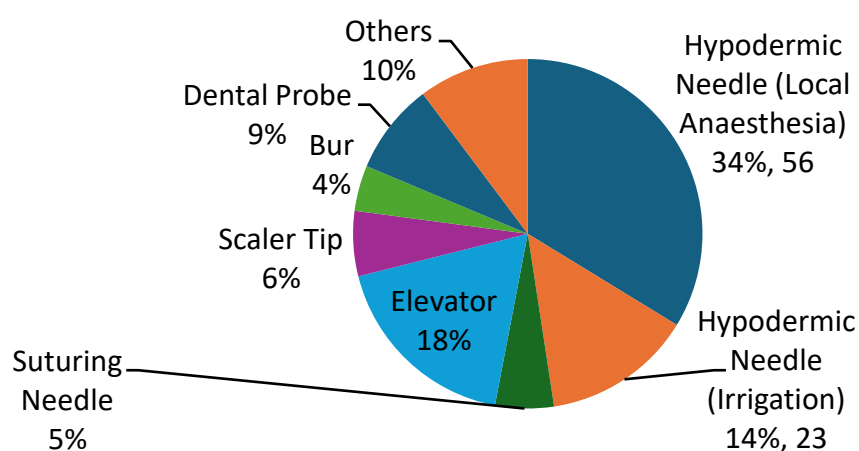


Figure 13.20: Type of Sharp Clinical Instrument Injuries Reported in 2023

Source: OHP MOH, 2023

PROMOTION ACTIVITIES

The Legislation and Enforcement Section took steps to educate the public about illegal dental practices. The department used a variety of methods to raise awareness including radio and television broadcasts, one-on-one discussions and exhibitions. The department also distributed pamphlets and buntings to inform the public about the dangers of illegal dental practices (**Table 13.5**). Terengganu conducted the highest number of promotional activities in 2023. The promotional activities were also extended nationwide through engagement with the Malaysian Dental Association, Director of State Prosecution, Media Prima Berhad and other related agencies.

Table 13.5: Promotion Activities 2023

State	Promotion Activities			
	Radio Talk/ TV Interview	Talk	Exhibition	Training for Staff
Perlis	1	3	-	1
Kedah	1	4	0	1
Pulau Pinang	-	2	1	-
Perak	-	-	2	-
Selangor	-	-	1	1
FT KL & Putrajaya	-	1	-	1
Negeri Sembilan	-	-	-	-
Melaka	2	3	1	-
Johor	-	0	9	1
Pahang	-	3	3	1
Terengganu	-	22	57	1
Kelantan	2	1	-	1
Sabah	-	1	1	1
Sarawak	-	6	6	1
FT Labuan	-	-	2	-
OHP MOH	1	2	0	5
Total	7	50	82	18

Source: OHP MOH, 2023

COMPETENCE ENHANCEMENT ACTIVITIES OF DENTAL ENFORCEMENT OFFICERS

In 2023, total expenditure under in-service training (*Latihan Dalam Perkhidmatan*) was MYR 51,055.00. Although the approved target was to have at least two (2) trainings conducted throughout the year 2023, this Section managed to organize more than planned as shown in **Table 13.6**.

Table 13.6: Courses or Training Organized in 2023

Title of Course/ Training	Budget Allocation (MYR)
<i>Kursus Akta Pergigian</i>	10,080.00
<i>Kursus Pendakwaan Lanjutan</i>	3,340.00
<i>Kursus Asas Fotografi Forensik</i>	13,448.00
<i>Kursus Penyediaan Kertas Siasatan</i>	9,300.00
<i>Kursus Pengukuhan dan pengamalan Soft Skill dan psikologi Penguatkuasa Pergigian</i>	14,485.00
<i>Kursus Pemantapan Pasukan Bertindak Rampasan Peranti Digital</i>	6,487.00
Total	51,055.00

Source: OHP MOH, 2023

The implementation of all the activities that have been carried out as well as the cooperation and collaboration from various parties for the year 2023 are displayed in **Image 13.1**.

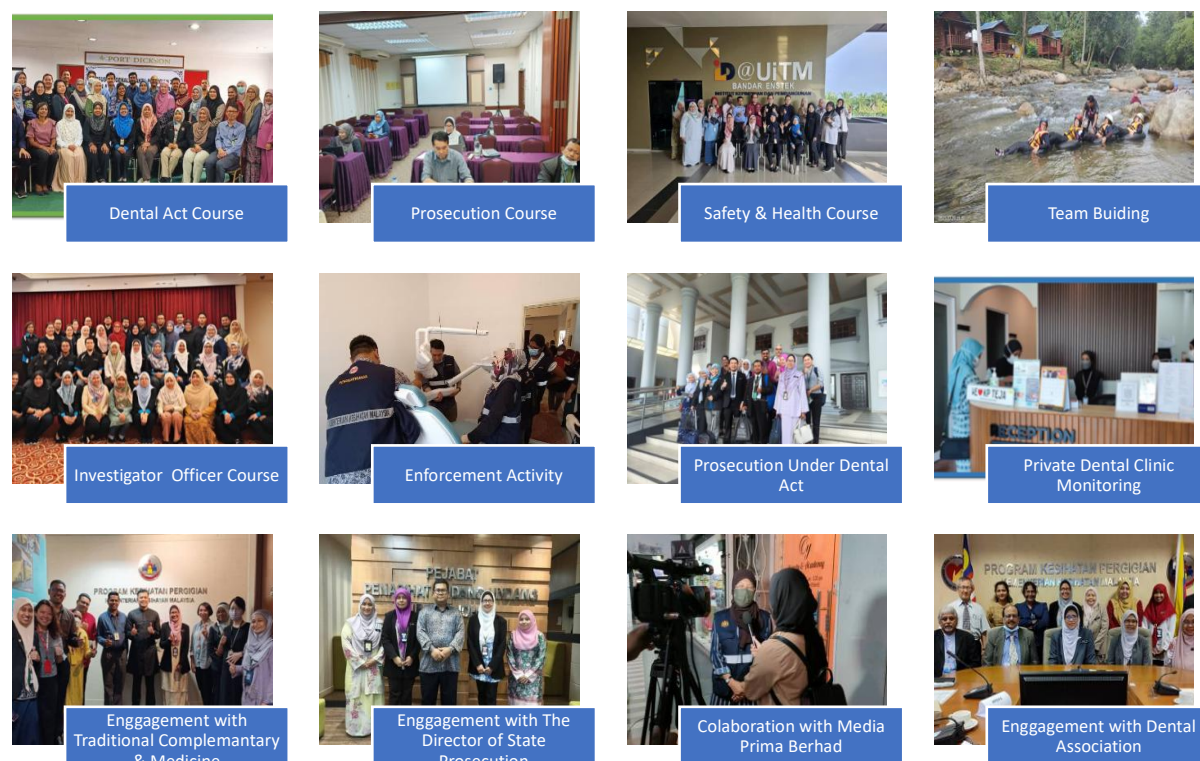


Image 13.1: Programmed and Collaboration Activities in 2023

ORAL HEALTH QUALITY SECTION

*Setia menjaga mutu perkhidmatan
Cawangan Kualiti Kesihatan Pergigian
Inisiatif penambahbaikan sentiasa berterusan
Teguh memacu perkhidmatan pergigian*



From left to right :

Dr. Yap Chia Wei UG52, Datin Dr. Nazita binti Yaacob UG56,
Ms. Siti Aisyah binti Jaafar U32, Dr. Nurul Aliyah binti Norain UG54,
Dr. Norhazimah binti Khairuddin UG52

ORAL HEALTH QUALITY INITIATIVES

QUALITY ASSURANCE PROGRAMME (QAP)

With the advent of the National Policy for Quality in Healthcare, aimed to bridge silos among agencies and accelerate improvements in healthcare, the Oral Health Programme Ministry of Health Malaysia (OHP MOH) takes cognizance of the emphasis to provide high quality healthcare that is safe, timely, effective, equitable, efficient, people-centred, and accessible (STEEPA).

The Quality Assurance Programme (QAP) is intended to measure compliance towards required standards. In dentistry, QAP is a mechanism to assess quality of care as well as to implement and evaluate changes in the patient care delivery system towards maintaining or improving the quality of services. Among the indicators monitored under QAP are the National Indicator Approach (NIA), District/Hospital Specific Approach (DSA/HSA) and the Key Performance Indicators (KPI). The achievements of these indicators are monitored periodically at national level. Indicators will be reviewed occasionally to ensure that they are always relevant and in line with current conditions or norms.

NATIONAL INDICATOR APPROACH (NIA)

In 2023, four (4) indicators under the National Indicator Approach (NIA) were monitored to measure the performance of primary and community oral healthcare (**Table 14.1**).

Table 14.1: Oral Health NIA Achievement, January until December 2022 and 2023

No.	Indicator	Standard (%)	Achievement (%) 2022	Achievement (%) 2023	SIQ Yes/No
1	Percentage of primary schoolchildren maintaining orally-fit status	≥65	53.5	54.7	YES
2	Percentage of secondary schoolchildren maintaining orally-fit status	≥70	60.4	61.8	YES
3	Percentage of non-conformance of fluoride level at reticulation points (Level < 0.4ppm)	≤ 25	25.4	20.5	NO
4	Percentage of non-conformance of fluoride level at reticulation points (Level > 0.6ppm)	≤7	0.6	0.6	NO

Source: OHP MOH 2023

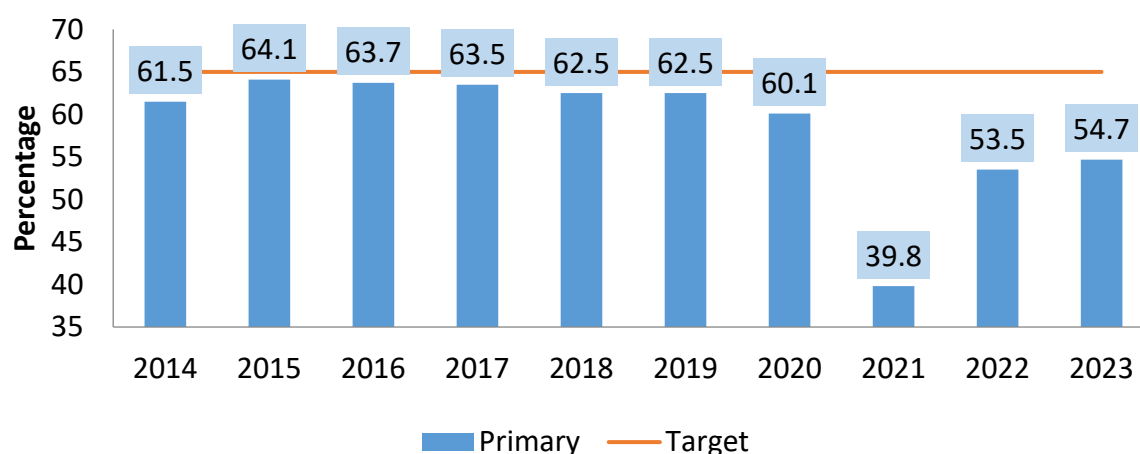


Figure 14.1: Percentage of Primary Schoolchildren Maintaining Orally Fit Status, 2014 to 2023

Source: OHP MOH 2023

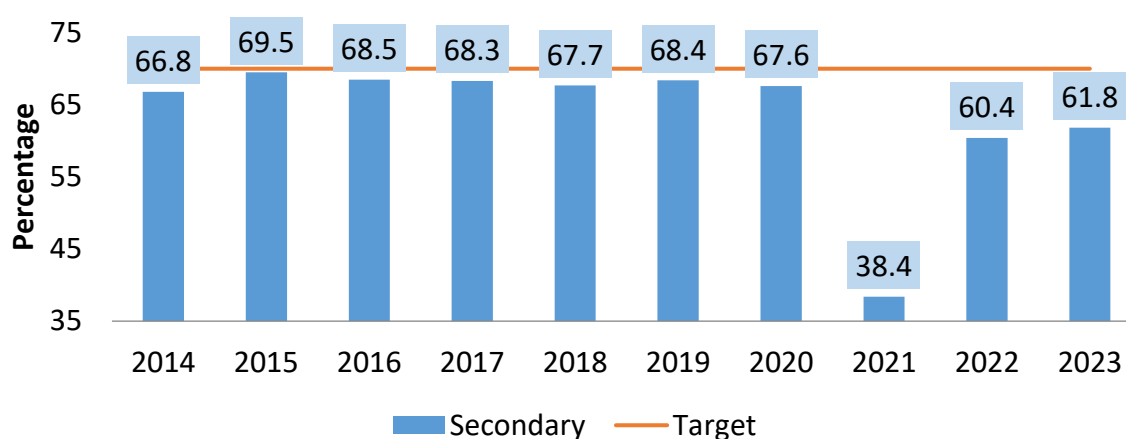


Figure 14.2: Percentage of Secondary Schoolchildren Maintaining Orally-Fit Status, 2014 to 2023

Source: OHP MOH 2023

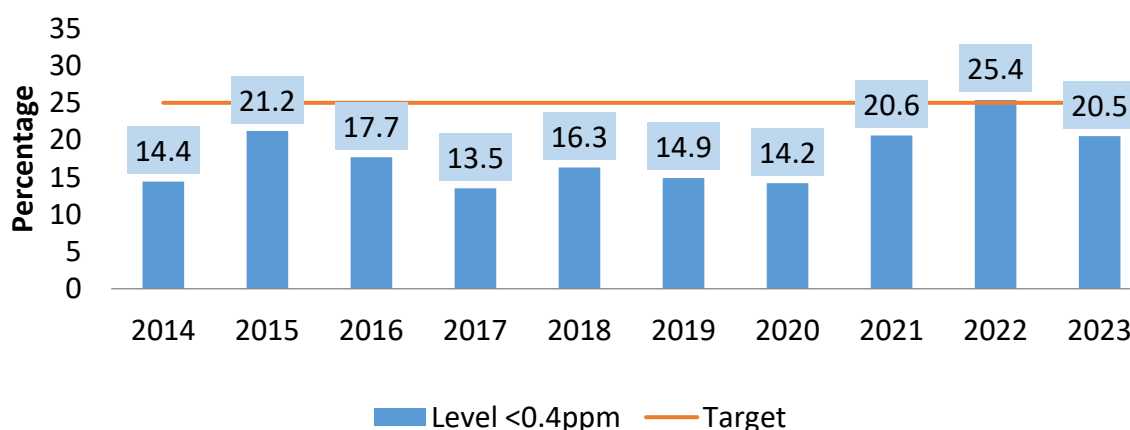


Figure 14.3: Percentage of Non-conformance of Optimal Fluoride Level at Reticulation Points, Level < 0.4ppm, 2014 to 2023

Source: OHP MOH 2023

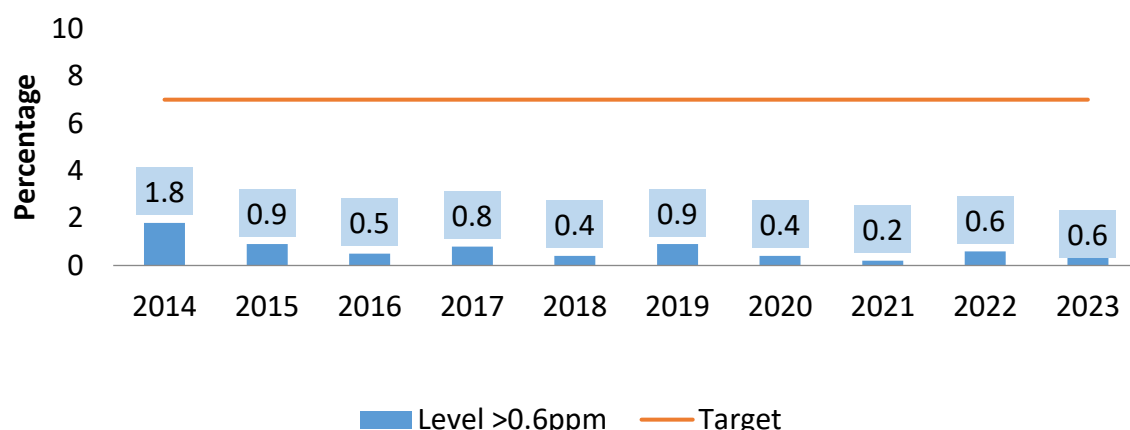


Figure 14.4: Percentage of Non-conformance of Optimal Fluoride Level at Reticulation Points, Level > 0.6ppm, 2014 to 2023

Source: OHP MOH 2023

KEY PERFORMANCE INDICATORS (KPI) 2023

The OHP MOH monitored 21 Key Performance Indicators (KPI) in 2023. Two (2) indicators were monitored every three (3) months, 16 indicators monitored every six (6) months and three (3) indicators were monitored annually.

The indicator 'Rate of use of government dental health facilities by the population' (KPI1, **Table 14.2**) contributed as an indicator to measure the performance of the Principal Director of Oral Health Programme and were monitored by the Clinical Performance Surveillance Unit (CPSU), Medical Development Division Ministry of Health.

Table 14.2: Key Performance Indicators, OHP MOH 2023

KPI Domain	KPI Number	Monitor Indicator	Target 2023	Achievement
Accessibility to MOH oral healthcare services	1	Percentage of visiting Dental Clinics visited for primary dental services on a scheduled basis > 12 times per month	≥25%	32.5%
	2	Rate of use of government dental health facilities by the population	≥24 service usage per 100 inhabitants	40 service usage per 100 inhabitants
	3	Percentage of health clinics with dental facility component	≥60%	55.0%
	4	Percentage of dental health care coverage for the Orang Asli and Orang Penan communities	≥15.5%	29.7%
Oral health status of Toddler	5	Percentage of toddlers maintaining orally-fit status (based on new attendances)	≥75%	80.1%

KPI Domain	KPI Number	Monitor Indicator	Target 2023	Achievement
Oral health status of antenatal mother	6	Percentage of antenatal mothers with orally fit status	≥15%	26.5%
Oral health status of school children	7	Percentage of 6-year-old school children free of dental caries	≥42%	46.9%
	8	Percentage of primary school students identified as current smokers who promised to quit smoking after the KOTAK programme intervention	≥50%	73.7%
Delivery of denture services	9	Percentage of patients aged 60 years and above who received their dentures within 8 weeks	≥70%	78.1%
Efficiency and effectiveness of services delivery	10	Percentage of primary school students who have been identified as smokers while going through the KOTAK Programme quit smoking after six (6) months	≥20%	38.2%
	11	Percentage of successful treatment for teeth that have been given fissure sealant	≥50%	96.3%
	12	Percentage of patients with oral lesions who were referred to and attended their appointments at the Specialist Dental Clinic to improve early detection of oral cancer	≥83%	90.6%
	13	Percentage of patients who showed reduction in periodontal pocket depth ≥ 50% after receiving treatment for 6 months	≥75%	87.3%
	14	The number of Dental Health Education materials produced by the respective states which receive at least ten (10) shares on the state's official Facebook page in a year	12 per year (Per state)	410 (National)
	15	The percentage of districts / divisions / areas / zones that carry out at least five (5)	≥75%	99.1%

KPI Domain	KPI Number	Monitor Indicator	Target 2023	Achievement
		activities involving the Ikon Gigi within a year		
Quality dental service and MS ISO certification	16	Percentage of MOH dental facilities which achieved 90% or more compliance during safety and health audits to ensure audited facilities are at optimum levels	≥88%	96.9%
	17	Percentage of dental clinics with MS ISO 9001:2015 certification	≥90%	93.8%
Monitoring of private dental clinic	18	Percentage of monitoring inspections conducted on identified Private Dental Clinics (PDC) to ensure compliance with relevant acts and regulations to assure patient safety and health	100% (All states) ≥95% (National)	99.9%
Index of customers satisfaction	19	Percentage of customers satisfied with dental services received	≥95%	97.6%
Index of innovation culture	20	Cultivation of an Innovation Culture in Dental Clinics	≥95%	98.7%
Complaints index	21	Percentage of complaints in which the complainant was satisfied with the final resolution	≥95%	99.0%

Source: OHP MOH 2023

CLIENT SATISFACTION SURVEY

In 2023, Client Satisfaction Surveys were conducted at all chosen dental clinics using survey questions endorsed and validated by OHP MOH to determine the level of customer satisfaction in all dental clinics under MOH that provide primary dental health services and also non-hospital based specialist dental clinic (including visiting clinics). A total of 70,893 respondents were involved in this survey and 69,164 (97.6%) of them were satisfied with the dental services received.

CLIENTS' CHARTER

There are two (2) main areas for the OHP MOH Clients' Charter:

- Core Clients' Charter of the MOH, monitored by the Pharmaceutical Services Programme who is the Secretariat of Core Clients' Charter (**Table 14.3**). The Report of Core Clients'

Charter was submitted to the secretariat, based on the frequency of reporting the indicators.

Table 14.3: Core Clients' Charter of the MOH 2023

Indicator	Target (Percentage)	Achievement (Percentage)
<i>Memastikan setiap pelanggan berpuas hati dengan perkhidmatan diberikan dengan memantau:</i>		
<i>70 peratus pesakit dipanggil untuk perkhidmatan kesihatan pergigian dalam tempoh 30 minit (Pengukuran 2 kali setahun)</i>	70	73.6
<i>95 peratus pelanggan berpuas hati dengan perkhidmatan kesihatan pergigian yang diterima (Pengukuran sekali setahun)</i>	95	97.6

Source: OHP MOH 2023

- ii. Clients' Charter for the OHP MOH (Table 14.4).

Table 14.4: Clients' Charter of OHP MOH

No.	Client's Charter Indicator	Target (Percentage)	Achievement (Percentage)
1	Clients are served efficiently and in a friendly manner	100	100
2	Clients are given relevant information on services provided	100	100
3	Clients with appointment are seen within 15 minutes of their appointment time	100	100

Source: OHP MOH 2023

MS ISO 9001:2015

Nationwide, out of 707 dental clinics providing primary dental services, 663 dental clinics (91.78%) obtained ISO certification. The details are as per data provided in Table 14.5, updated until 31 December 2023.

Table 14.5: MS ISO 9001: 2015 Certification Status by State, District and Facility 2023

State	No. of dental clinics with certification	No. of dental clinics	Percentage of dental clinics with certification
Perlis	10	11	90.09
Kedah	59	60	98.33
Pulau Pinang	30	30	100.00
Perak	68	73	93.15
Selangor	66	66	100.00
WP KL & Putrajaya	20	20	100.00
Negeri Sembilan	43	43	100.00

State	No. of dental clinics with certification	No. of dental clinics	Percentage of dental clinics with certification
Melaka	30	30	100.00
Johor	95	96	99.00
Pahang	75	76	98.68
Kelantan	65	65	100.00
Terengganu	44	46	95.74
Sabah	42	42	100.00
Sarawak	12	45	26.67
WP Labuan	3	3	100.00
PPKK & ILKKM	1	1	100.00
Malaysia	663	707	91.78

Source: OHP MOH 2023

QUALITY IMPROVEMENT INITIATIVES (QII)

The Quality Improvement Initiative (QII) activities are a systematic and continuous approach that aim to improve the quality of services provided. QII aims to achieve the highest standards and is not just limited to pre-set standards. Processes rather than individuals are at the centre of QI, so the activities are intrinsically focused on preventing errors rather than placing blame.

FEEDBACK MANAGEMENT (COMPLAINT AND NON-COMPLAINT)

The Oral Health Quality Section is responsible as the Feedback Coordinator in OHP MOH as well as monitoring the feedback received by states. In 2023, a total of 759 responses comprising 449 complaints and 310 non-complaints were received. Throughout 2023, 99.8% percent of the responses were resolved within the stipulated period.

PATIENT SAFETY AND INCIDENT REPORTING

Each dental facility is required to submit data online via a website developed by the Patient Safety Unit, Medical Development Division and manually to the Oral Health Quality Section by 31 January of the following year. There are four (4) Malaysian Patient Safety Goals (MPSG) 2.0 involved with dental clinics, namely:

- Medication Without Harm
- Prevention of Patient Fall
- Patient Identification
- Implementing Incident Report (IR) and Learning System

MPSG 2.0 achievements for the year 2023, are as stated below **(Table 14.6)**.

Table 14.6: Achievement of Malaysian Patient Safety Goals (MOH Dental Facilities) 2023

Goal No.	KPI No.	Indicator	Target	Achievement
3	5	Number of Medication Error leading to Severe Harm or Death	0	0
		Number of Actual Medication Error	-	0
		Number of Near Miss Medication Error	-	0
		Total number of clinic attendance	-	18534134
5	7	Rate of patient fall:	≤ 5%	0.00008% (n=15)
		Total number of patient fall		
		Total number of clinic attendance		
6	8	Number of Patient Safety incidents caused by wrong patient identification (detected through incident reporting & investigation)	0	0
7	9	Implementation of Incident Reporting System or other Methods to Investigate Incidents	Yes	Yes
		Total number of patient safety incident reporting done	-	84
		Total number of patient safety incident with severe or death outcome.	-	21
		Total number of patient safety incident with severe or death outcome that were investigated and action taken.	-	21

Source: OHP MOH 2023

In the IR format, there are ten (10) codes which involve and are relevant to dental clinics. Each code is further categorised as red, yellow and green. The State Oral Health Divisions are required to update and submit their return on MPSG and incident reports to the Oral Health Quality Section once a year (in January next following year). Nevertheless, incidents under the red category must be notified immediately within 24 hours by the facility involved, followed by submission of the full report with Root Cause Analysis (RCA) within 60 days after the incident occurred. Incident reporting data for 2023 are as shown in **Table 14.7**.

Table 14.7: Incident Report Status by Incident Codes 2023

Code No.	Incident	Total	Red	Yellow	Green
30	Incidents related to ANY dental clinical procedures	60	19	29	12
31	Malfunction / intentional or accidental misuse of equipment / incidents related to use of equipment that occur during treatment or diagnosis of patient	5	0	3	2
32	Assault or battery of patients by employees and/or contractors (eg. security	1	1	0	0

Code No.	Incident	Total	Red	Yellow	Green
	personnel) including physical, mental or emotional abuse, mistreatment or harmful neglect of any patient at Dental Clinic				
33	Investigation Error	1	0	1	0
34	Diagnostic Error	1	0	0	1
35	Decision-making Error	2	1	1	0
36	Medication error resulting in serious adverse event/death	1	0	0	1
37	Patient fall in Dental Clinic	13	0	6	7
38	Patient death or serious disability due to electric shock which occurred while he/she was at the Dental Clinic	0	0	0	0
39	Fire in Dental Clinic resulting in death or injury	0	0	0	0
Total		84	21	40	23

Source: OHP MOH 2023

CLINICAL MONITORING

The Clinical Monitoring Guide was uploaded to the OHP MOH official website on 2 August 2022 and was distributed throughout the country on 9 August 2022. A briefing session was held on 18 August 2022 online for state and district coordinators as an introduction to the Clinical Monitoring Guide. A Clinical Monitoring Workshop was held on 25-27 July 2023, attended by state coordinators and lead auditors. Feedback was gathered for improvement and minor amendments of the guideline. Data was collected and analysed to be presented in a national level meeting on 30 November 2023.

There were two (2) parts being monitored, namely Part A: Accuracy of records and treatment card management (Passing mark: 95%) and Part B: Delivery and completeness of treatment (Passing mark: 85%). The clinicians needed to pass both of them in order to ensure the quality of primary dental services and school incremental dental services was delivered at an optimal level. The required actions are listed according to the competency description for both Part A and B, as **Table 14.8** below:

Table 14.8: Action by Incident Codes 2023

Competency Description		Action Code	Required Action
Part A	Part B		
Poor (<85%)	Poor (<75%)	C	- Specific monitoring by the supervisor / PPYM - Repeat clinical monitoring - Recalibrate
Poor (<85%)	Moderate (75-84%)	B	- Specific monitoring by the supervisor / PPYM - Repeat clinical monitoring
Poor (<85%)	Good (≥85%)	B	- Specific monitoring by the supervisor / PPYM - Repeat clinical monitoring

Competency Description		Action Code	Required Action
Part A	Part B		
Moderate (85-94%)	Poor (<75%)	C	- Specific monitoring by the supervisor / PPYM - Repeat clinical monitoring - Recalibrate
Moderate (85-94%)	Moderate (75-84%)	B	- Specific monitoring by the supervisor / PPYM - Repeat clinical monitoring
Moderate (85-94%)	Good (≥85%)	B	- Specific monitoring by the supervisor / PPYM - Repeat clinical monitoring
Good (≥95%)	Poor (<75%)	C	- Specific monitoring by the supervisor / PPYM - Repeat clinical monitoring - Recalibrate
Good (≥95%)	Moderate (75-84%)	B	- Specific monitoring by the supervisor / PPYM - Repeat clinical monitoring
Good (≥95%)	Good (≥85%)	A	Self-monitoring

Source: OHP MOH 2023

In 2023, the total number of clinicians monitored clinically were 1996 [996 New Dental Officers, 367 Permanent Dental Officers, 32 New Dental Therapists (less than 1 year in service), 601 Dental Therapists (more than 1 year in service)]. The monitoring resulted in 23.6% (472/1996) of the clinicians having to undergo Repeat Clinical Monitoring in the following year; 2024. The percentage of required actions according to the category of posts are as listed below (**Figure 14.5**).

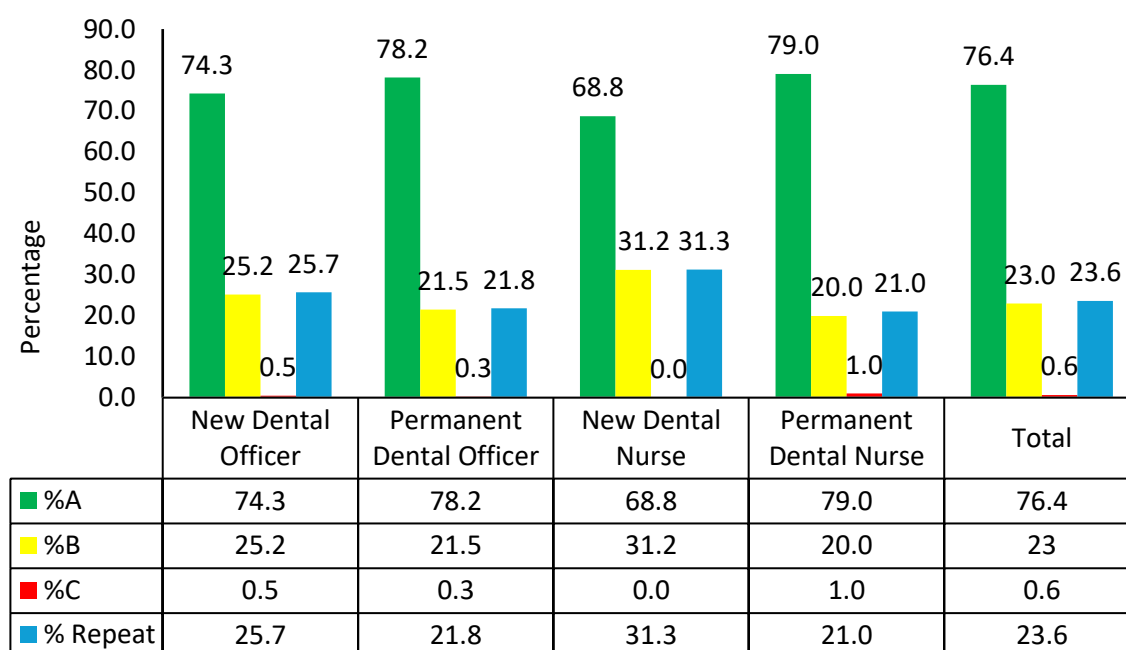


Figure 14.5: Percentage of Required Action according to Category of Posts

Source: OHP MOH 2023

PAIN AS 5TH VITAL SIGN (P5VS)

OHP MOH carried out a review and agreed that the P5VS programme is not suitable to be implemented in Primary Dental Clinics and Non-Hospital Based Dental Specialist Units. However, it is still relevant and suitable for Hospital-Based Dentistry services. This matter has been approved by the Director General of Health through a minute paper dated 9 August 2022.

Accordingly, the Hospital-Based Dentistry service must continue its involvement in this programme by referring to the guidelines and training modules used in the hospital and subject to the Pain Free Hospital accreditation and certification process.

Following this exception, all reporting related to this programme also ceased immediately. Even so, dental therapists at Primary Dental Clinics and Non-Hospital Based Dental Specialist Units are still encouraged to assess pain as one of the elements of patient management and record pain scores in the treatment card according to clinical justification.

OTHER QUALITY ACTIVITIES

MINISTRY OF HEALTH INNOVATION AWARD (AIKKM) 2023

The 15th AIKKM 2023 was successfully conducted from 19 to 21 September 2023 with an inspiring theme; *“KKM yang Inovatif, Kreatif dan Berdaya Cipta Pemangkin Generasi MADANI”*, to acknowledge our government’s MADANI policy which emphasises on six (6) core values of which one (1) focuses mainly on innovation (*daya cipta*). There were four (4) categories of innovation competing in this event, namely; product, service, process and technology groupings.

In 2023, the AIKKM organising committee comprised of OHP MOH as the main secretariat, working in collaboration with the Management Services Division MOH, Family Health Development Division MOH, Policy & International Relations Division MOH and Information Management Division MOH.

The objectives of organising this annual programme/competition are to:

1. Give recognition to the innovations produced by staff of Ministry of Health (MOH)
2. Foster a culture of creativity and innovation in service delivery
3. Introduce and disseminate exemplary innovation results for mutual benefits
4. Contribute to improving the quality of customer service delivery

A total submission of 159 projects from all states/federal territories/institutes were screened for conformity and adherence to the set criteria for participation. Selangor State Health Department led the way with the highest number of innovative projects (17) partaking in all four (4) categories followed by the state health departments of Pahang (14), Penang (13) and Perak (12) as illustrated in **Figure 14.6**.

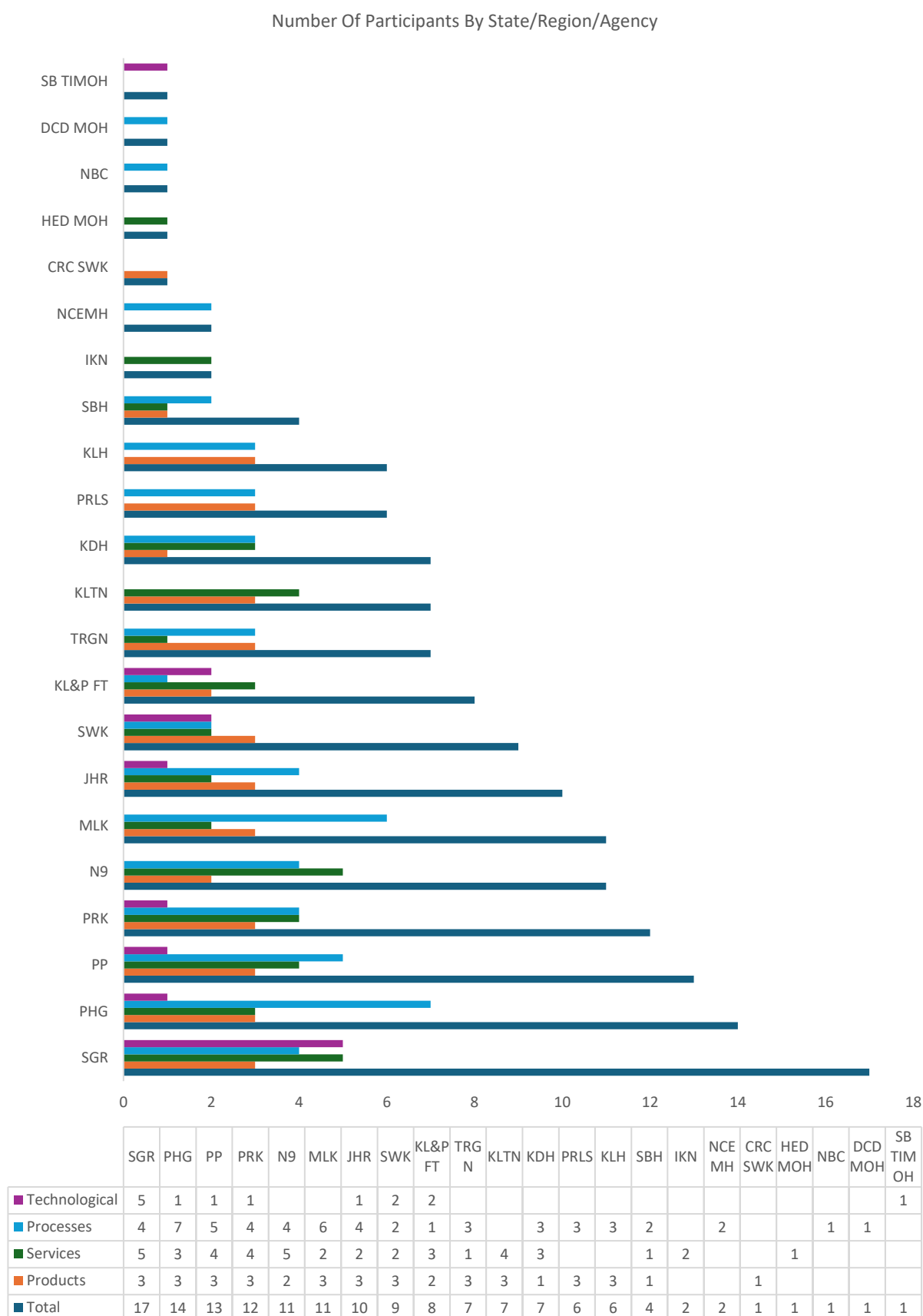


Figure 14.6 Number of AIKKM 2023 Participants by State/Region/Agency

Source: OHP MOH 2023

Desktop assessment was conducted by the secretariat from 11- 14 July 2023 and 151 innovative projects qualified to be further screened and assessed at the second stage. This semi-final assessment of 151 projects was coordinated and conducted online from 15- 18 August 2023 by the respective working committees at OHP, BDHA, BPKK and BPM. The distinguished panel of judges viewed and listened to 40 products, 55 processes, 42 services and 14 technological innovation videos and presentations showcasing their respective best ideas and creations online.

Since its inception in 2013, a limit of only ten (10) projects to advance to the final stage from each category was imposed for the very first time. Therefore, only 40 projects were shortlisted for the final physical/face-to-face evaluation sessions held from 19- 21 September 2023. The names of the finalists, winners and their winning projects of all categories at AIKKM 2023 are as shown in **Table 14.9 and 14.10**.

Table 14.9: The Finalists of AIKKM 2023 by Category

Category	No.	Innovation/ Project	Department	State
PRODUCT	1.	Easy Rat Trap	Entomology and Pest Unit Kuala Terengganu	Terengganu
	2.	Germ Buster Edu Card Games- Germ Attack!	Food Safety and Quality Division, Penang State Health Department	Penang
	3.	Wheelers	Pharmacy Department, Bukit Mertajam Hospital	Penang
	4.	Donation Kit Hanger	Department of Transfusion Medicine, Raja Permaisuri Bainun Hospital, Ipoh	Perak
	5.	Fast Action Wheelchair 2.0	Sik Hospital	Kedah
	6.	CLEAR2GO	Pharmacy Department Tuanku Ja'afar Hospital, Seremban	Negeri Sembilan
	7.	Noise Cancellation Box (NCB)	Kuala Perlis Dental Health Clinic	Perlis
	8.	RAVAC (Rapid Assessment Visual Acuity Chart)	Ophthalmology Department Hospital Umum Sarawak	Sarawak
	9.	Foot Easy Kit	Ulu Tiram Health Clinic, Johor Bahru	Johor
	10	Portable Decontamination Unit (PADU)	Emergency and Trauma Department, Sultan Ismail Hospital, Johor Bahru	Johor
SERVICE	1.	STAR	Buntong Health Clinic	Perak

Category	No.	Innovation/ Project	Department	State
	2.	TB LINK'D- Interconnecting Healthcare	Petaling Bahagia Health Clinic	FT Kuala Lumpur and Putrajaya
	3.	Emindasihati	Public Health Division Johor	Johor
	4.	Flipchart Helping Hands	Kuala Lumpur Dental Health Clinic	FT Kuala Lumpur and Putrajaya
	5.	FARMARIA-Learning Through Fun and Play	Pharmacy Department, Sultan Haji Ahmad Shah, Temerloh	Pahang
	6.	SMART SMILEPEDIA	District Dental Health Office, Jempol	Negeri Sembilan
	7.	PMD- Patient Movement Detector	National Cancer Institute	FT Kuala Lumpur and Putrajaya
	8.	Medrec	Pharmacy Department Putrajaya Hospital	FT Kuala Lumpur and Putrajaya
	9.	Little Dentist	District Dental Health Office, Jempol	Negeri Sembilan
	10.	Ten-IB	Rehabilitation Department, Sultan Ismail Hospital	Johor
PROCESS	1.	GEOPEFLK	Disease Control Divison	MOH
	2.	DTIPPS (Digital Transformation of In Patient Pharmacy Services)	Pharmacy Department Tuanku Jaafar Hospital	Negeri Sembilan
	3.	Kalkulator D-Salt	Dietetic and Food Department Sultanah Fatimah Specialist Hospital, Muar	Johor
	4.	V-Prosecute	Pharmacy Enforcement Section, Penang	Penang
	5.	ABCEasy- Meningkatkan Kepatuhan Dokumentasi	Pontian Hospital	Johor
	6.	Aplikasi BPH SPU	Northern Seberang Perai Health Clinic	Penang
	7.	Penyediaan Sel ABO DI Makmal Rujukan Immunohematologi Kebangsaan (MRIK)	Kuala Lumpur National Blood Center	FT Kuala Lumpur and Putrajaya

Category	No.	Innovation/ Project	Department	State
TECHNOLOGY	8.	EVARS- Event Verification Authentication Registration System	Tengku Ampuan Afzan Hospital, Kuantan	Pahang
	9.	PINTAR 2.0- Pharmacy Integrated Access of Record	Pharmacy Department, Sultanah Nur Zahirah	Terengganu
	10.	Sistem iBANJIR	Pahang State Health Department	Pahang
	1.	FARMS - Pemantauan Secara Real-Time Penyediaan Laporan Bedah Siasat Medikolegal	Forensic Medicine Department Tengku Ampuan Rahimah	Selangor
	2.	E-Antibiotic Guardian	Pharmacy Department Seberang Jaya Hospital	Penang
	3.	Digitalizing M-Chart to Improve Autism Screening Among Children	Segambut Health Clinic	FT Kuala Lumpur and Putrajaya
	4.	MYNNJ Apps	Family Medicine Specialist Selangor	Selangor
	5.	Aplikasi Permainan Interaktif Food Safety	Kuala Kangsar Dental Health District Office	Perak
	6.	B.R.O. APP Bamboo-River Organisation Mobile Application	Obstetric and Gynaecological Sungai Buloh Hospital	Selangor
	7.	Biojustice Webapp	Outpatient Clinic, Kota Samarahan Health Clinic	Sarawak
	8.	Thermohygro-Sense	MOH Training Institute (ILKKM) Sungai Buloh	Selangor
	9.	MLC- Malaysia Enteral Nutrition Product: Integrated Library and Calculator	Sultan Idris Shah Hospital, Serdang	Selangor
	10.	Portal E-Learning	Pharmacy Department, Sibu Hospital	Sarawak

Source: OHP MOH 2023

Table 14.10: Winning Innovations of AIKKM 2023 by Category

Category	Winner	Project	Department	State
PRODUCT	First	Foot Easy Kit	Ulu Tiram Health Clinic	Johor
	Second	Easy Rat Trap	Entomology and Pest Unit Kuala Terengganu	Terengganu
	Third	RAVAC (Rapid Assessment Visual Acuity Chart)	Ophthalmology Department Hospital Umum Sarawak	Sarawak
	Special Jury Award	Wheelers	Pharmacy Department Hospital Bukit Mertajam	Pulau Pinang
SERVICE	First	STAR	Buntong Health Clinic	Perak
	Second	TB LINK'D Contact Surface and Environment	Petaling Bahagia Health Clinic	FT Kuala Lumpur and Putrajaya
	Third	Emindasihati	Public Health Division Johor	Johor
	Special Jury Award	Flipchart Helping Hands - Alat Bantu Komunikasi Bagi Pesakit Golongan Keperluan Khas (Pekak)	Kuala Lumpur Dental Health Clinic	FT Kuala Lumpur and Putrajaya
PROCESS	First	GEOPEFLK	Disease Control Division Ministry of Health Malaysia (MOH)	MOH
	Second	DTIPPS (Digital Transformation of Inpatient Pharmacy Services)	Pharmacy Department Hospital Tuanku Jaafar	Negeri Sembilan
	Third	Kalkulator D-Salt	Dietetic and Food Department Hospital Pakar Sultanah Fatimah	Johor
	Special Jury Award	V-Prosecute	Pharmacy Enforcement Branch Pulau Pinang	Pulau Pinang
TECHNOLOGY	First	FARMS - Pemantauan Secara Real-Time Penyediaan Laporan Bedah Siasat Medikolegal	Forensic Medicine Department Hospital Tengku Ampuan Rahimah	Selangor

Category	Winner	Project	Department	State
	Second	E-Antibiotic Guardian	Pharmacy Department Hospital Seberang Jaya	Pulau Pinang
	Third	Digitalizing M-Chart to Improve Autism Screening Among Children	Segambut Health clinic	FT Kuala Lumpur and Putrajaya
	Special Jury Award	MYNNJ Apps	Family Medicine Specialist Selangor	Selangor

Source: OHP MOH 2023

In summary, AIKKM is deemed relevant and sustainable as a Quality Improvement Initiative (QII) to continually encourage, improve and acknowledge the innovative, creative and motivated pool of innovators at MOH. Kudos to all honourable panellists, diligent secretariat and competitive participants who exhibited wisdom, good cooperation and healthy rivalry to make AIKKM 2023 a resounding success.



Image 14.1: Poster of AIKKM 2023 Announcement and Judging Session

CONDUCTIVE PUBLIC SECTOR ECOSYSTEM (EKSA)

The Malaysian Administrative Modernisation and Management Planning Unit (MAMPU) has taken the initiative to enhance the implementation of the 5S Practice which has been rebranded as a Conducive Public Sector Ecosystem (EKSA). This move is in line with efforts to strengthen a high-performing and innovative organisational culture among public sector agencies through the provision of environmental, workplace culture and values.

In OHP MOH, the implementation of EKSA practices continues to be strengthened and improved. New employees of the OHP MOH will attend briefing on the implementation of EKSA apart from the training organised by the EKSA Training Committee, MOH.

To ensure the assessment criteria are adhered to, audits were carried out at regular intervals by EKSA internal auditors and also by MOH EKSA Auditors. Audit findings were shared to all staff and actions taken for continual improvement.

Audit EKSA for OHP MOH from MAMPU has been conducted successfully on 19 June 2023 and 20 December 2024. The overall achievement for MOH Malaysia was 98.09% (excellent). The next audit from MAMPU will be conducted in November 2024.



Image 14.2: Certificate of EKSA Achievement from MAMPU

IMPLEMENTATION WORKSHOP OF QUALITY ASSURANCE (QA) PROJECTS AT THE OHP MOH 2023 (QA WORKSHOP: FROM ZERO TO HERO)

Every year, various QA projects are implemented at the state level. Unfortunately, most of these projects face difficulties in their execution due to the lack of understanding among new

members regarding the aspects of QA project implementation according to the established guidelines. This situation results in failures in achieving quality initiatives in dental services. Therefore, as a proactive measure, OHP MOH took the initiative to organise a national-level QA workshop in collaboration with the Institute for Health Systems Research. This workshop was held from 3 – 5 October 2023, at the Putrajaya Lake Club and was inaugurated by the Director of the Division Oral Health Practices and Developments. This workshop was attended by dental representatives from each state/territory and training institutes, with a total of 37 participants. The participants comprised dental specialists, district dental officers, dental officers, and dental technologists.

The workshop speakers are experts in their respective fields and have experience as judges at the National-Level QA Convention. The lineup of speakers included Mr. (Dr.) Azmi bin Alias (Neurosurgery Consultant Expert), Dr. Raja Zarina binti Raja Shahardin (Pediatric Dentistry Consultant Expert), Dr. Khamiza binti Zainol Abidin (Periodontics Expert), Dr. Nur Ezdiani binti Mohamed (Medical Officer), Dr. Izzatur Rahmi binti Mohd Ujang (Medical Officer), Puan Khalidah binti Maruan (Pharmacist), and Dr. Noraziyah binti Abdul Aziz (Deputy Director-General Chief). In addition to the lectures, representatives from the QA project group "To Reduce Pain in Adult Patients During Local Anesthesia at Chemor Dental Clinic" from Perak State also shared their experiences as winners of the QA project at the 2022 Quality Convention.



Image 14.3: Activity during the QA Workshop: From Zero to Hero



07.

Malaysian Dental Council



KEMENTERIAN KESIHATAN MALAYSIA

MALAYSIAN DENTAL COUNCIL (MDC)

*Bintang tujuh bersinar terang
Bulan purnama menyapa mesra
Etika dijunjung, amanah dijulang
Profesion pergigian terjaga, pesakit sejahtera*



From left to right:

Seated (1st row): Dr. Norfarhana binti MD Daud UG54, Dr. Nurul Syakirin binti Abdul Shukor UG56, Dr. Nur Hamizah binti Abu Bakar UG54

Seated (2nd row): Ms. Siti Nur Zaimah binti Zainudin L29, Dr. Nur Syara binti Abd Wahid UG44, Dr. Damia binti Zulkifli UG44, Dr. Noorhidayah binti Mohd Arif UG54, Dr. Mariah binti Mohd Hamzah UG48, Dr. Anis Fatin binti Muhammad Anuar UG48

Standing: Ms. Khairunnisa binti Ismail F44, Ms. Nur Aini Amira binti Abdullah (MyStep), Ms. Rahanah binti Mat Nor N22, Ms. Revathi a/p Thyagarajan N19, Ms. Sharifah Natasyafiqah binti Sh. Masri N19, Mr. Hasan bin Harun N11, Mr. Meor Zul Arief bin Zainal Azizi N19, Mr. Muhammad Fuadht bin Shahrudin H11, Ms. Nurul Husna binti Muhama'ad W19, Ms. Nor Hafizah binti Mohd Shokeri N19, Ms. Syafiqah bt Safian N19, Nurul Darwisyah binti Zanafferullah (MyStep)

MALAYSIAN DENTAL COUNCIL (MDC)

The MDC is a regulatory body established under the Dental Act 2018, which came into effect on January 1, 2022, replacing the Dental Act 1971 that governed dentistry in the country for five decades. The MDC's vision is to promote a professional, safe, quality, and ethical dental practice. Its mission is to uphold the highest standards of ethics, education, and practise for the benefit of patients, the public, and the profession through fair and effective administration of the Dental Act. The MDC aims to protect patient safety and maintain public confidence in dental services by ensuring the quality of dental education, registering qualified dental professionals, setting standards for dental practice, and investigating complaints regarding dental professionals' conduct.

MEMBERSHIP OF THE MDC

The MDC is composed of 24 members, comprising appointed and elected members (**Table 15.1**). Every member must be a Malaysian citizen residing in Malaysia and in possession of a valid practising certificate. The tenure of membership is not exceeding three years and shall be eligible for reappointment or re-election, provided that the member shall not hold office for more than two consecutive terms.

Under the provisions of the Dental Act 2018, the Director-General of Health Malaysia serves as the President, and the Principal Director of Oral Health, Ministry of Health Malaysia serves as the Dental Registrar of the MDC.

Table 15.1: Malaysian Dental Council's Composition, as at 31 December 2023

The President		
Director-General of Health Malaysia	Datuk Dr. Muhammad Radzi bin Abu Hassan	
The Dental Registrar		
Principal Director of Oral Health MOH	Dr. Noormi binti Othman	
Section	Members	Date of Appointment
6 (1) (c)		
Three (3) appointed dental surgeons from among the academic staff of the dental faculties of the accredited local training institutions from the public sector	Professor Dr. Zamri bin Radzi	1.7.2022 – 30.6.2025
	Professor Dr. Dalia binti Abdullah	1.7.2022 – 30.6.2025
	Assoc. Prof. Dr. Maryati binti Md. Dasor	23.6.2023 – 30.6.2025
Three (3) appointed dental surgeons from among the academic staff of the dental faculties of the accredited local training institutions from the private sector	Professor Dr. Abdul Rashid bin Ismail	1.7.2022 – 30.6.2025
	Professor Dr. Seow Liang Lin	1.7.2022 – 30.6.2025
	Professor Dr. Rosnah binti Mohd Zain	1.7.2022 – 30.6.2025

Section	Members	Date of Appointment
6 (1) (d)		
Three (3) appointed dental surgeons from the public sector	Dr. Fauziah binti Ahmad	1.7.2022 – 30.6.2025
	Brig. Jen. (Dr.) Hazudin bin Hassan	1.7.2022 – 30.6.2025
	Professor Dr. Rahimah binti Abdul Kadir	1.7.2022 – 30.6.2025
Three (3) appointed dental surgeons from the private sector	Dr. Lim Chiew Wooi	1.7.2022 – 30.6.2025
	Dr. Teerunavookarasu a/l Rajaratnam	1.7.2022 – 30.6.2025
	Dr. Lee Wei Zin	1.7.2022 – 30.6.2025
6 (1) (e)		
Four (4) elected dental surgeons from the public sector resident in Peninsular Malaysia	Dr. Mohd Salman bin Masri	1.7.2022 – 30.6.2025
	Dr. Syed Iqbal bin Syed Husman	1.7.2022 – 30.6.2025
	Dr. Norhayati bt Jaffar	1.7.2022 – 30.6.2025
	Dr. Sharifah Tahirah binti Syed Alwi Aljunid	1.7.2022 – 30.6.2025
6 (1) (f)		
Four (4) elected dental surgeons from the private sector resident in Peninsular Malaysia	Dr. Firdaus bin Hanapiah	1.7.2022 – 30.6.2025
	Dato' Professor Dr. Ishak bin Abdul Razak	1.7.2022 – 30.6.2025
	Dr. Ng Woan Tyng	1.7.2022 – 30.6.2025
	Dr. Ha Kien Oon	1.7.2022 – 30.6.2025
6 (1) (g)		
One (1) elected dental surgeon resident in Sabah	Dr. Leong Kei Joe	1.7.2022 – 30.6.2025
6 (1) (h)		
One (1) elected dental surgeon resident in Sarawak	Dr. Wong Siong Ting	1.7.2022 – 30.6.2025
6 (1) (i)		
Two (2) appointed dental therapists who are members of the Malaysian Dental Therapists Board	Puan Zainab bt Mohideen	1.7.2022 – 30.6.2025
	Puan Jeevaretnam a/p K. Sockalingam	1.7.2022 – 30.6.2025

Source: MDC 2023



Image 15.1: Members of the Malaysian Dental Council (2023)

EVALUATION AND RECOGNITION OF DENTAL QUALIFICATION

The MDC ensures that local dental education programmes adhere to the standards and requirements set by both the MDC and the Malaysian Qualifications Agency (MQA). Additionally, the MDC is also responsible to evaluate and recognize non-local qualifications, ensuring compliance with the established standards and may impose further conditions in accordance with the requirement for registration as dental practitioners.

There are several committees established to carry out these functions:

- I. Dental Qualifying Committee
- II. Dental Specialist Evaluation Committee
- III. Dental Evaluation Committee
- IV. Examination Committee
- V. Dental Specialty Subcommittee
- VI. Joint Technical Committee for Accreditation of Dental Programmes
- VII. Joint Technical Committee for Evaluation of Dental Specialty Programmes

Proposals by these committees were deliberated by the MDC during the Council Meetings. List of major accomplishments in 2023 are as shown in **Table 15.2**.

Table 15.2: List of major accomplishments by the Committee

MAJOR ACCOMPLISHMENT	DATE
Dental Qualifying Committee, Examination Committee & Dental Evaluation Committee	
Approval of Guidelines to Fulfil the Requirements of PQE: Conduct of the Examinations by Local Institutions	9 th MDC Meeting (24 July 2023)

MAJOR ACCOMPLISHMENT	DATE
Pilot Part I of the Professional Qualification Examination	31 May 2023
13 dental qualifications evaluated	DEC Meeting 1/2023 (23 March 2023) DEC Meeting 2/2023 (8 September 2023) DEC Meeting 3/2023 (20 December 2023)
Dental Specialist Evaluation Committee & Dental Specialty Subcommittee	
Update the list of post-graduate qualifications approved by the Council	Updated qualifications approved in: • 7th MDC Meeting (14 February 2023) • 8th MDC Meeting (30 March 2023) • 9th MDC meeting (24 July 2023) • 10th MDC meeting (25 September 2023) • 11th MDC meeting (20 November 2023)
Joint Technical Committee for Accreditation of Dental Programmes	
• Approval of Full Accreditation Renewal (i) Doctor of Dental Surgery (DDS) National University of Malaysia (UKM) (MQA/FA 2157-02)	7 th MDC Meeting (14 February 2023)
• Approval of Curriculum review - BDS International Islamic University of Malaysia (IIUM) (MQA/FA 1976)	8 th MDC Meeting (30 March 2023)
• Approval of Full Accreditation Renewal (i) DDS LUC (MQA/FA 1048) (ii) BDS SEGi University (MQA/FA 1050-02) • Approval of Curriculum review - BDS Manipal University College Malaysia (MUCM) (MQA/FA 9269)	9 th MDC meeting (24 July 2023)
• Approval of Full Accreditation Renewal - BDS Universiti Teknologi MARA (UiTM) (MQA/FA 0338) • Approval of Curriculum review - DDS LUC (MQA/FA 1048)	10 th MDC meeting (25 September 2023)
• Approval of Extension of Full Accreditation Period DDS LUC (MQA/FA 1048)	11 th MDC meeting (20 November 2023)
Joint Technical Committee for Evaluation of Dental Specialty Programmes	
• Approval of Provisional Accreditation (i) Master of Dental Public Health UKM (MQA/PA 14385) (ii) Doctor in Dental Public Health UKM (MQA/PA 14393)	7 th MDC Meeting (14 February 2023)

MAJOR ACCOMPLISHMENT	DATE
- Approval of Provisional Accreditation- Doctor in Paediatric Dentistry IIUM (MQA/PA 15747) - Approval of Full Accreditation- Doctor in Restorative Dentistry Universiti MAHSA (MQA/FA 9235)	8 th MDC Meeting (30 March 2023)
- Approval of Provisional Accreditation (i) Doctor in Orthodontics Universiti Sains Islam Malaysia (USIM) (MQA/PA 15282) (ii) Doctor in Oral and Maxillofacial Surgery UiTM (MQA/PA 15003)	9 th MDC meeting (24 July 2023)
- Approval of Full Accreditation- Master of Applied Science UKM (MQA/FA 14384) - Approval of Provisional Accreditation- Master of Dentistry IIUM (MQA/PA 16110)	10 th MDC meeting (25 September 2023)

Source: MDC 2023



Image 15.2: Pilot Part I of the Professional Qualification Examination conducted at the International Medical University on 31 May 2023

STATISTICS OF DENTAL PRACTITIONERS

The Dental Registrar is responsible for registering dental practitioners and maintaining the Dental Register, Dental Temporary Practising Certificate Register, and Conditional Register. Additionally, the Dental Registrar issues APCs and Temporary Practising Certificates and handles all registration-related matters.

NUMBER OF DENTAL PRACTITIONERS ON THE DENTAL REGISTER

The Dental Register consists of the following divisions:

- Division I – professional registered as a dental surgeon

- b) Division II - persons with no formal qualifications, but who were practising dentistry before the enforcement of the Dental Act 1971 registered as a dentist
- c) Specialist Division – Division 1 dental surgeon registered as a dental specialist

As at 31 December 2023, there were a total of 17,431 names on the Dental Register under Division I and 959 names under Specialist Division.

NEW REGISTRANTS IN 2023

In 2023, a total of 900 graduates registered with the MDC under Division 1 of the Dental Register, representing a 20% increase from the 748 registrants in 2022 (**Figure 15.1**). Additionally, 252 dental specialists were registered under the Specialist Division in 2023. The number of registered dental specialists by specialty is detailed in **Table 15.3**.

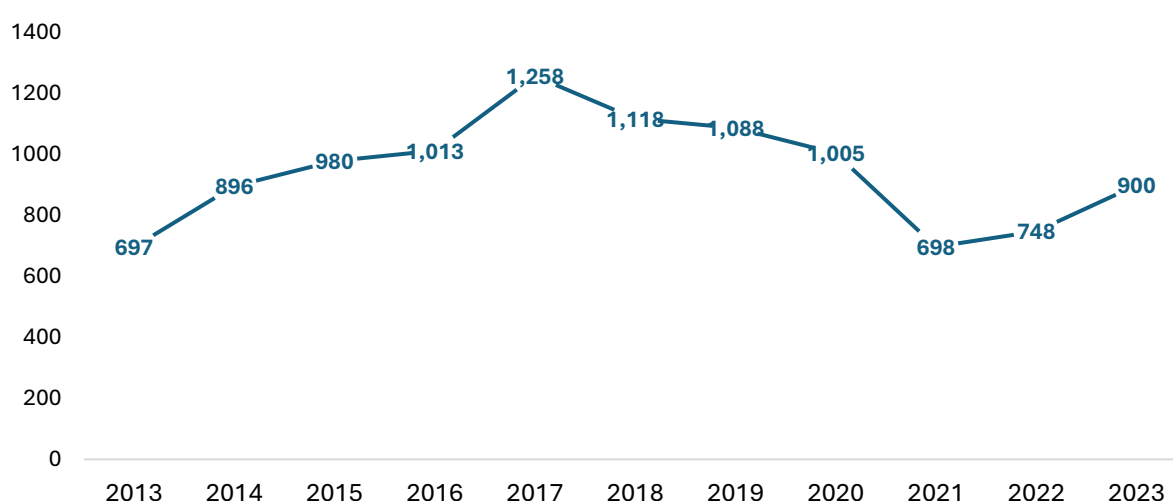


Figure 15.1: Number of New Registrants on Division 1 of the Dental Register, 2013-2023

Source: MDC 2023

Table 15.3: New Dental Specialist Registrants by Specialty, 2022-2023

Specialty	2022	2023
Dental Public Health	78	21
Endodontics	30	8
Forensic Odontology	7	2
Oral Maxillofacial Radiology	3	1
Oral and Maxillofacial Surgery	129	46
Oral Pathology and Oral Medicine/ Oral Medicine	27	10
Orthodontics	163	44
Paediatric Dentistry	70	34
Periodontics	81	36
Prosthodontics	59	26
Restorative Dentistry	48	23
Special Care Dentistry	12	1
TOTAL	707	252

Source: MDC 2023

ANNUAL PRACTISING CERTIFICATES (APCs)

The Dental Act requires all active practitioners to have a valid APC.

In 2023, a total of 14,261 APCs were issued, marking a 5.73% increase from the previous year (see **Table 15.4**). Slightly more than half of these APCs (56.44%) were issued to dental practitioners in the public sector.

Division II dentists must pass an inspection of their premises before receiving their APCs. In 2023, only six Division II dentists applied and were allowed to continue practising, down from eight in the previous year. Of these, four were practising in Sabah (66.67%), and the remaining two were in Sarawak.

Table 15.4: Dental Practitioners Issued with Annual Practising Certificates, 2013 – 2023

Sector	Year										
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
DIVISION I											
Public	3,256	3,763	4,021	4,591	5,736	6,455	7,087	7,443	7,786	7,828	8,049
Private	1,979	2,125	2,363	2,595	2,862	3,244	3,714	4,154	4,788	5,608	6,206
Total	5,235	5,888	6,384	7,186	8,598	9,699	10,801	11,597	12,574	13,436	14,255
DIVISION II											
Private	29	28	26	24	22	18	16	10	7	8	6
Grand Total	5,264	5,916	6,410	7,210	8,620	9,717	10,817	11,607	12,581	13,444	14,261

Source: MDC 2023

TEMPORARY PRACTISING CERTIFICATES (TPCs)

Section 40 of the Dental Act 2018 allows dental practitioners registered outside of Malaysia, who wish to practise in Malaysia, to be issued with Temporary Practising Certificates (TPCs). The TPC aims to enable the transfer of skills and knowledge across the dental practice and practitioners and maintain high standards in dentistry.

The Guidelines for the Application for Temporary Practising Certificates Dental Act 2018 provides information on the requirements and procedures to apply and register for the TPC.

Applicants for TPCs can be classified into eight categories:

- A. Exchange practitioner in the public sector
- B. Lecturer in Institution of Higher Education (IHE)
- C. External examiner invited by IHE
- D. Practitioner attending a hands-on clinical course
- E. Practitioner employed in private healthcare facilities (specialist at private hospital, spouse of Malaysian or permanent residents)

- F. Expert engaged in the transfer of skills and knowledge
- G. Contract and collaborating practitioner in the public sector and IHE to conduct dental clinical research
- H. Dental practitioner undertaking voluntary community service

In 2023, the Dental Registrar issued 195 TPCs, with 188 (96.41%) issued to academic staff in public and private universities. The distribution of TPCs by category is shown in **Figure 15.2**.



Figure 15.2: Number of TPCs issued by category, 2023

Source: MDC 2023

COMPULSORY SERVICE

Section 79 of the Dental Act 2018 outlines the requirements for compulsory service for new registrants. In 2023, the number of dental practitioners granted permission to fulfil their compulsory service outside MOH surged to 25, compared to 15 in 2022. Specifically, the Director-General of Health permitted seven (7) newly registered dental practitioners to fulfil their compulsory service in the Ministry of Higher Education, three (3) in the Ministry of Defence, and 15 within private dental facilities.

ETHICS AND DISCIPLINARY ACTIONS

The MDC is obligated to ensure that all practitioners uphold and maintain professional ethics and standards. It plays a crucial role in maintaining public trust by ensuring that dental practitioners adhere to the ethical principles governing their practice.

In 2023, the MDC received 47 complaints. Of these, 33 (70.21%) were due to alleged unethical behaviour, and seven (7) (14.89%) were related to alleged negligence, fraud, or incompetence. Additionally, there were four (4) (8.51%) complaints about unethical advertising and three (3) (6.38%) complaints concerning costs. **Table 15.5** shows the cumulative number of complaints received from 2022 to 2023.

Table 15.5: Types of Complaint Received Against Registered Practitioners, 2022-2023

TYPE	CASES
Negligence/Fraud/Alleged Incompetence	19
Unethical Behaviour	59
Unethical Advertising	6
Complaints on Cost	6
TOTAL	90

Source: MDC 2023

Two (2) Preliminary Investigation Committees (PrICs) were established under Section 55 of the Dental Act 2018 to investigate complaints, information against practitioners, and disciplinary matters. In 2023, the PrICs completed 38 investigations, while 52 cases remain active. The types of recommendations made by the PICs for completed investigations are detailed in **Table 15.6**.

Table 15.6: Type of recommendation by Preliminary Investigation Committee, 2023

RECOMMENDATION	NO. OF CASES
Withdrawn	4
No Further Action	12
Council Inquiry	22
TOTAL	38

Source: MDC 2023

In 2023, the MDC held and completed 26 inquiry sessions at the Council level. Between 2013 and 2023, the Council issued 23 reprimands and 21 suspensions, suspended seven (7) suspension punishments subject to conditions stipulated by the MDC, and struck four (4) practitioners off the Dental Register (see **Figure 15.3**).

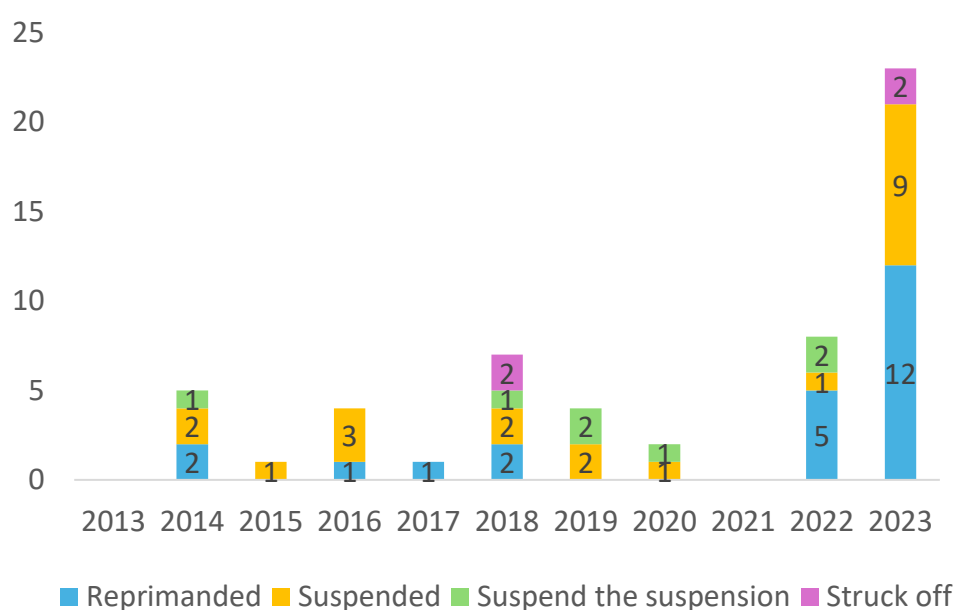


Figure 15.3: Disciplinary Punishment by the Council, 2013-2023

Source: MDC 2023

Two (2) briefing and familiarisation sessions were held in 2023 regarding the conduct of disciplinary proceedings under the Dental Act 2018. The first session was conducted on 20 February 2023 to all PrIC members and the second session was done on 23 October 2023 to the Council members.

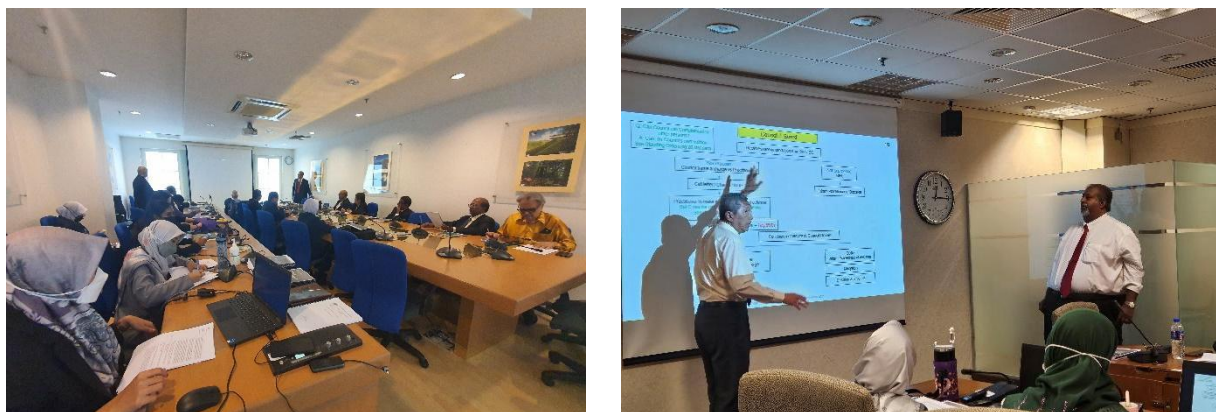


Image 15.3: Briefing and familiarisation sessions on the conduct of disciplinary proceedings under the Dental Act 2018

POLICY AND STANDARD

The MDC plays a pivotal role in setting and enforcing policies and standards for the dental profession. In addition to the established Code of Professional Conduct prescribed under Section 82 of the Dental Act, the MDC also issues guidelines and directives pursuant to Section 83 of the Act. This ensures that dental practitioners maintain high levels of competence and integrity, thereby safeguarding public trust and ensuring the quality of dental care in Malaysia.

GUIDELINES APPROVED BY THE MDC

In 2023, two guidelines were approved by the MDC during the 7th MDC Meeting held on 14 February 2023:

- Guidelines for Dental Record Keeping and Dental Charting
- Oro-Facial Aesthetic Guideline

These guidelines were published on the MDC's official website, with implementation set for 2024.

The Guidelines to Fulfil the Requirements of Professional Qualifying Examinations: Conduct of Examination by Local Institutions was approved during the 9th MDC Meeting convened on 24 July 2023 and was circulated to all dental faculties of the accredited local training institutions.

CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

In accordance with the new provisions of the Dental Act 2018, a dental practitioner's application for an APC will depend on their CPD points. Therefore, all dental practitioners must accumulate a minimum of 20 CPD points annually starting from 2023, as this requirement will be in effect for the application of APC 2025 onwards.

The CPD Committee for Dental Practitioners was established in 2023, following approval by MDC during the 7th MDC Meeting on 14 February 2023. The committee's functions include:

- Assessing the credibility and ability of CPD providers to meet educational needs and provide effective learning experiences in line with CPD standards stipulated by MDC.
- Developing criteria for exemption from CPD activities for practitioners.

Additionally, the CPD Awarding Committee, responsible for evaluating and approving CPD point applications, received 559 applications for verification and award of CPD points in 2023, with 531 being approved.

OTHER MDC ACTIVITIES, 2023

The MDC undertook various activities to enhance professional standards and ensure the quality of dental care in Malaysia. These activities exemplify the MDC's dedication to safeguarding public trust and upholding the integrity of the dental profession. The snapshot of notable happenings for the year 2023 is provided in **Image 15.4** (next page).

Annual Report 2023 | 223



08.

Malaysian Dental Therapist Board



KEMENTERIAN KESIHATAN MALAYSIA

MALAYSIAN DENTAL THERAPISTS BOARD (MDTB)

*Walaupun letih terus digagahi
Mencapai puncak tidaklah lama
Kerjasama semua sentiasa dihargai
Matlamat organisasi dijayakan bersama*



From left to right:

Ms. Norlelawati binti Mohd Ani @ Mohd Ali U36,

Ms. Julaiha binti Mohd Sarif U38, Ms. Nor Azrah binti Hamzah U36

MALAYSIAN DENTAL THERAPISTS BOARD (MDTB)

The MDTB is a new regulatory body established under the Dental Act 2018 and aims to ensure the highest professional standards and ethics in the practice of dentistry in the interest of patients, the public and the profession, through the administration of the Dental Act 2018.

The Board functions are:

- a) to register and issue certificates to dental therapists;
- b) to register and issue certificates to post-basic dental therapists;
- c) to regulate any examination for registration of dental therapists;
- d) to regulate the standards of practice of dental therapists;
- e) regulate the ethics and professional conduct of dental therapists; and
- f) to execute any other things as may be required or permitted to be done under this Act.

The Board has a membership of 16, which includes the Chairman, the Registrar and both nominated members. The tenure of membership is three years.

Under the provisions of the Dental Act 2018, the Principal Director of Oral Health Programme shall be the Chairman, and the Head of Profession of Dental Therapists shall be the Dental Therapists Registrar.

MEMBERS OF THE MALAYSIAN DENTAL THERAPISTS BOARD 2023

Table 16.1: Members of MDTB 2023

Section	Members	Tenure	
18(1)(a) The Chairman	Dr. Noormi binti Othman	1.6.2022	Subject to appointment of successor
18(1)(b) The Dental Therapists Registrar	Puan Normala binti Omar		
18(1)(c) one (1) Council member nominated by the President	Dr. Ng Woan Tyng	1.6.2022	31.5.2025
18(1)(d) one (1) dental therapist who is employed as a tutor at the ILKKM (Pergigian) Georgetown, Pulau Pinang, nominated by the Director of the ILKKM (Pergigian) Georgetown, Pulau Pinang	Puan Margaret Ann a/p J. Peter		
18(1)(e) two (2) dental therapists from among the academic staff of local training institutions granting registrable qualifications, nominated by the President	Puan Nurfarhana Farah binti Abdullah @ Voon Kin Len	1.6.2022	31.5.2025
	Puan Noraini binti Mohd Arabie		
18(1)(f) one (1) dental therapist, employed in the armed forces, nominated by the Director of Dental Services, Armed Forces Malaysia	Staff Sergeant Norahzlin binti Baharudin	1.6.2022	31.5.2025

Section	Members	Tenure	
18(1)(g) five (5) dental therapists resident in Peninsular Malaysia nominated by The Chairman	Puan Chitra Devi a/p Subramaniam	1.6.2022	31.5.2025
	Puan Zainab binti Mohideen		
	Puan Woon Siong Lee		
	Puan Fatimah binti Rahman		
	Puan Jeevaretnam a/p K. Sockalingam		
18(1)(h) two (2) dental therapists resident in Sabah nominated by The Chairman	Puan Siti Mariam Nanti	1.6.2022	31.5.2025
	Puan Bertha Eldo		
18(1)(i) two (2) dental therapists resident in Sarawak nominated by The Chairman	Puan Marvel Anak Saba	1.6.2022	31.5.2025
	Puan Marina Lim Abdullah		

Source: MDTB 2023

REGISTRATION

The main functions of the Registration Section are:

- Maintenance of Dental Register
- Handling queries related to registration
- Processing applications from practitioners who wish to practice dentistry in Malaysia
- Issuance of APCs and Temporary Practising Certificates

NEW REGISTRANTS IN 2023

In 2023, a total of 3,049 dental therapists registered with the Board. All were registered under Section 24(3) (**Table 16.2**).

Table 16.2: Registered Dental Therapists in Malaysia

Year	Public Sector		Total	Private Sector	Grand Total
	MOH	Non MOH			
2022	12	1	13	2	15
2023	2,946	85	3031	3	3,034

Source: MDTB 2023

Table 16.3: Post Basic Dental Therapists Registrants by Discipline

Discipline	Year		Grand Total
	2022	2023	
Oral and Maxillofacial Surgery	5	5	10
Paediatric Dentistry	50	31	81
Orthodontics	29	63	92
Periodontics	66	43	109
Total	150	142	292

Source: MDTB 2023

ANNUAL PRACTISING CERTIFICATE (APC)

All registered dental therapists must be in possession of a current APC to legally practice. It is the responsibility of the practitioner to apply for the APC and inform the MDTB of any changes in their practising address. The majority of the APCs were issued to dental therapists in the public sector.

Table 16.4: Active Dental Therapists in Malaysia

Year	Public Sector		Total	Private Sector	Grand Total
	MOH	Non MOH			
2022	12	1	13	2	15
2023	2,933	85	3,018	5	3,023

Source: MDTB 2023

Table 16.5: Active Dental Therapists by Ethnic Group in Malaysia

Year	Ethnic Group				Total
	Malay	Chinese	Indian	Others	
2022	11	1	1	2	15
2023	2,308	39	42	634	3,023

Source: MDTB 2023

Table 16.6: Active Dental Therapists by Gender in Malaysia

Year	Sector	Male	Female	Total
2022	Public	0	13	13
	Private	0	2	2
	Total	0	15	15
2023	Public	28	2990	3,018
	Private	0	5	5
	Total	28	2995	3,023

Source: MDTB 2023

ACTIVITIES BY MDTB



Image 16.1: Malaysian Dental Therapists Board Meeting



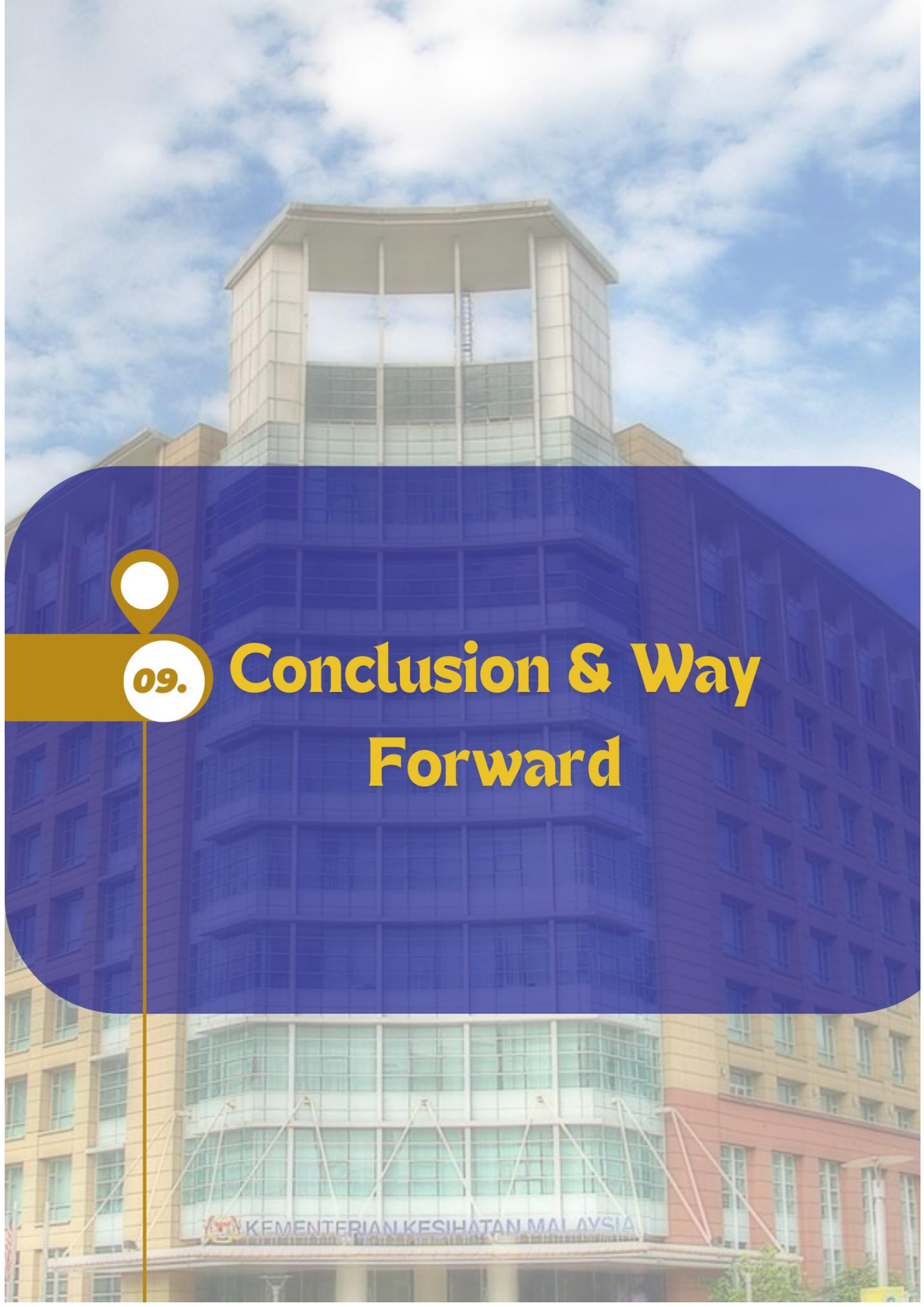
Image 16.2: Committee Meeting to Develop a Proposal Paper to Amend Fifth Schedule of the Dental Act 2018



Image 16.3: Briefing for Dental Therapists Registration in May 2023 (Session I)



Image 16.4: Briefing for Dental Therapists Registration in June 2023 (Session II)



09.

Conclusion & Way Forward



KEMENTERIAN KESIHATAN MALAYSIA

CONCLUSION AND WAY FORWARD

In conclusion, our unwavering commitment to advancing oral health in Malaysia has been guided by a comprehensive approach that addresses the interconnected themes of oral health promotion, digitalization and research, as well as facility and human resource development. By focusing on these areas, we have made significant strides towards achieving the four pillars of the Health White Paper: Transforming healthcare service delivery, Advancing health promotion and disease prevention, Ensuring the population receives comprehensive services that are affordable, and Strengthening the health service's foundation and governance.

Key achievements and milestones in our public oral health service delivery include the successful implementation of nationwide oral health campaigns, the development of online appointment systems and dental service data systems, collaborative projects with local and international partners, the construction and renovation of dental clinics and hospitals, and the establishment of dental training programs and continuing education initiatives.

Through these efforts, we have demonstrated our dedication to providing high-quality, affordable, and accessible oral health care to all Malaysians. As we look to the future, we remain committed to building on our successes and addressing emerging challenges to ensure that our nation continues to thrive in terms of oral health and overall well-being.



10.

Editorial Committee & Acknowledgement

KEMENTERIAN KESIHATAN MALAYSIA

EDITORIAL COMMITTEE



From left to right:

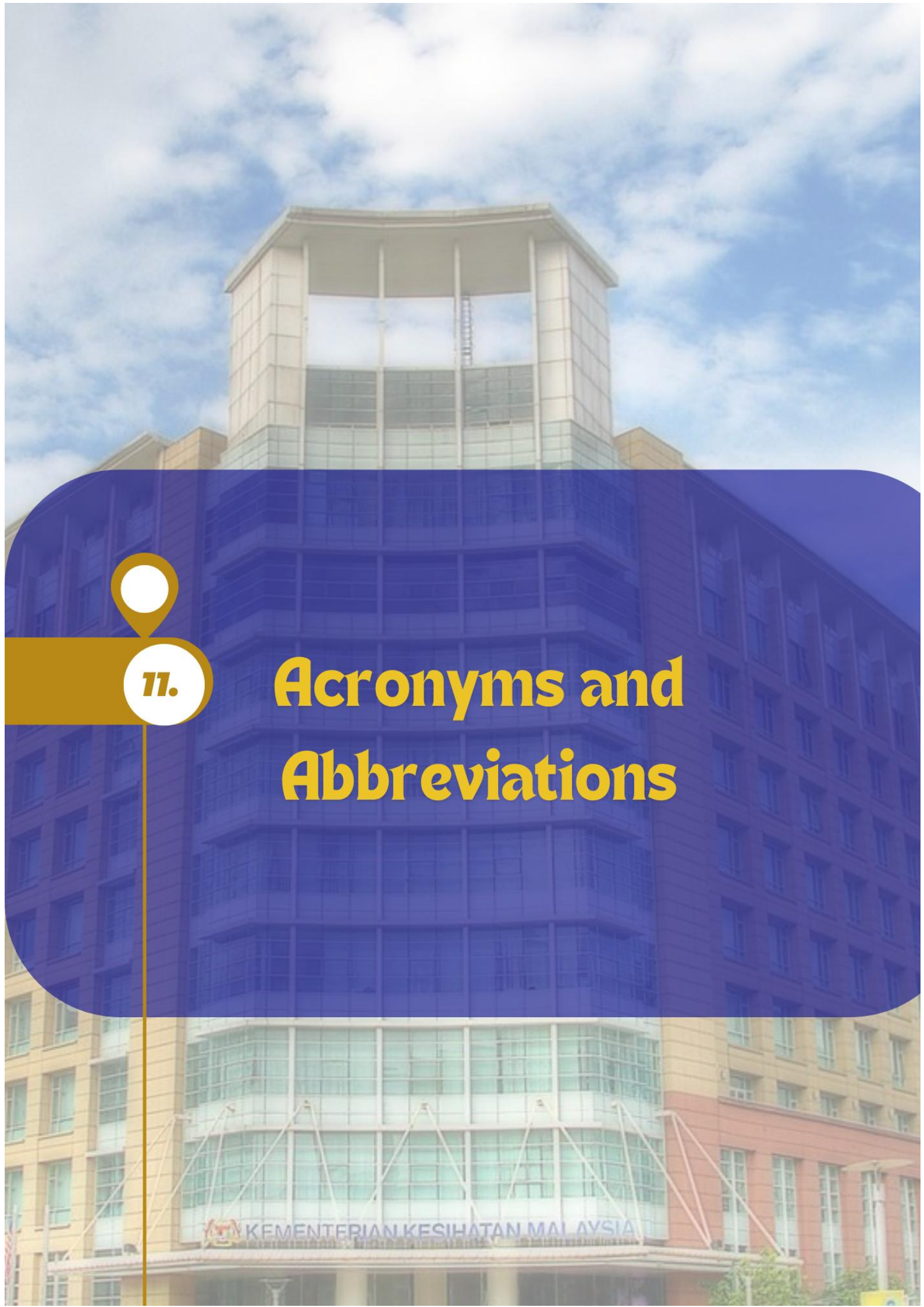
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11.

Acronyms and Abbreviations



KEMENTERIAN KESIHATAN MALAYSIA

ACRONYMS AND ABBREVIATIONS

10MP	Tenth Malaysia Plan
12MP	Twelfth Malaysia Plan
3DDT	3D Digital Technology
3P	<i>Pemeriksaan Pematuhan Piawai</i>
Industry 4.0	Fourth Industrial Revolution
4P	<i>Pasca Pemeriksaan Pematuhan Piawai</i>
4P2	<i>Pasca Pemeriksaan Pematuhan Piawai Kedua</i>
5A	Ask, Advice, Assess, Assist, Arrange
5R	Relevance, Risk, Rewards, Roadblocks, Repetition
ACC	Ambulatory Care Center
ACDOM	Asian Chief Dental Officers' Meeting
ACP	Advanced Competency Programme
<i>Act 586</i>	Private Healthcare Facilities and Services Act 1998
<i>Act 593</i>	Criminal Procedure Code
<i>Act 679</i>	Malaysian Qualifications Agency Act 2007
<i>Act 737</i>	Medical Device Act 2012
<i>Act 804</i>	Dental Act 2018
AIKKM	Ministry of Health Innovation Award
AIMST	Asian Institute of Medical Science and Technology
AJCCD	ASEAN Joint Coordinating Committee on Dental Practitioners
AMCCSDUE	ASEAN Minimum Common Competency Standards for Dental Undergraduate Education
ANMS	<i>Agenda Nasional Malaysia Sihat</i>
APC	Annual Practising Certificate
APPL	Approved Product Purchase List
ASEAN	Association of Southeast Asian Nations
ATM	Malaysian Armed Forces
BDS	Bachelor of Dental Surgery
BEGIN	<i>Latihan Memberus Gigi Berkesan</i>
BEMS	Biomedical Equipment Management Service
BPE	Basic Periodontal Examination
BPL	<i>Bahagian Pengurusan Latihan</i>
CBBP	<i>Cuti Belajar Bergaji Penuh</i>
COPPA	Code of Practice for Programme Accreditation
COPPA-PG Dental	Code of Practice for Programme Accreditation Postgraduate Dental Degree
COR	Certification of Registration
COVID-19	Coronavirus disease 2019
CPD	Continuing Professional Development
CPG	Clinical Practice Guidelines
CPSU	Clinical Performance Surveillance Unit
CPTPP	Comprehensive and Progressive Agreement for Trans-Pacific Partnership
CT	Credit Transfers
DCCU	Dental Chair Cum Unit

DDR	Design and Development Research
DDS	Doctor of Dental Surgery
DentSEdC	Dental Specialty Education Committee
DO	Dental Officer
DOHS	Domiciliary Oral Health Care Services
DOSM	Department of Statistics Malaysia
DPHS	Dental Public Health Specialist
DPHSU	Dental Public Health Specialist Unit
DPT	Dental Promotion Team
DSA	Dental Surgery Assistant
DSA	District Specific Approach
DTP	Diploma in Dental Therapy
EKSA	Conducive Public Sector Ecosystem
EMR	Electronic Medical Record
FA	Full Accreditation
FDM	Fuzzy Delphi Method
FMR	Fluoride mouth rinsing
FOD	Forensic Odontology
FT	Federal Territory
FTA	Free Trade Agreements
FV	Fluoride varnish
Gi-RET 2.0	<i>Gabungan Reten Perkhidmatan Kesihatan Pergigian</i>
GIS	Gingival Index for Schoolchildren
GLTC	Global Leadership Team Conference
HEP	Higher Education Provider
HKL	Kuala Lumpur Hospital
HLP	<i>Hadiah Latihan Persekutuan</i>
HSA	Hospital Specific Approach
HSR	Health System Research
HSSWG	Healthcare Services Sectoral Working Group
HTA	Tunku Azizah Hospital
HWP	Health White Paper
ICDAS	International Caries Detection and Assessment System
ICT	Information & Communication Technology
IDCMR	International Dental Collaboration of The Mekong River Region
IDT	Incremental Dental Treatment
iGG	<i>Ikon Gigi</i>
IHE	Institution of Higher Education
IHSR	Institute for Health Systems Research
IIOR	Index for Interceptive Orthodontics Referral
IUM	International Islamic University Malaysia
IKN	National Cancer Institute
ILKKM	Ministry of Health Training Institute (Dental)
IMR	Institute for Medical Research
IMU	International Medical University
IPGK	<i>Institut Pendidikan Guru Kampus</i>
IPH	Institute for Public Health

IR	Incident Report
ISN	National Sports Institute
ISO	International Organization for Standardization
JKPF	<i>Jawatankuasa Penggunaan Fasiliti</i>
JP	Dental Therapist
JT	Dental Technologist
JTAC	Joint Technical Accreditation Committee
JTCEDSP	Joint Technical Committee for Evaluation of Dental Specialist Programmes
KEPP	<i>Klinik Pergigian Endodontik Primer</i>
KKM	<i>Kementerian Kesihatan Malaysia</i>
KL	Kuala Lumpur
KOA	<i>Kesihatan Oral dan Agama</i>
KOTAK	<i>Kesihatan Oral Tanpa Amalan Merokok</i>
KP	Klinik Pergigian
KPI	Key Performance Indicator
KPMP	<i>Klinik Pergigian Mesra Promosi</i>
LUC	Lincoln University College
MADPHS	Malaysian Association of Dental Public Health Specialists
MAHSA	Malaysian Allied Health Sciences Academy
MAMPU	Malaysian Administrative Modernisation and Management Planning Unit
MAOISCTE	Malaysian Association of Orthodontist International Scientific Conference and Trade Exhibition
MCHC	Mother and Child Health Clinic
MDA	Malaysian Dental Association
MDCI	Mobile Dental Clinic
MDL	Mobile Dental Laboratory
MDS	Multidisciplinary Dental Specialist
MDSA	Malaysian Dental Students' Association
MDTB	Malaysian Dental Therapists Board
MEET	Medical Equipment Enhancement Tenure
MER	Minimum Entry Requirement
MHPS	Malaysian Healthcare Practitioners Systems
MIDEC	Malaysian International Dental Exhibition and Conference
MIDS	Malaysia International Dental Show
MITI	Ministry of Investment, Trade, and Industry
MMI	MOH Modified ICDAS
MNP	Movement of Natural Persons
MoA	Memorandum of Agreement
MOE	Ministry of Education
MOH	Ministry of Health Malaysia
MPDPA	Malaysian Private Dental Practitioners Association
MPSG	Malaysian Patient Safety Goals
MQA	Malaysian Qualifications Agency
MRA	Mutual Recognition Agreement
MS-ISO	Malaysian Standard- International Organization for Standardization
MUCM	Manipal University College Melaka
MyHDW	Malaysian Health Data Warehouse

MYR	Malaysian Ringgit
NDO	New Dental Officer
NDOP	New Dental Officer Programme
NGO	Non-Governmental Organization
NHMS	National Health and Morbidity Survey
NIA	National Indicator Approach
NOHP	National Oral Health Policy
NOHRI	National Oral Health Research Initiative
NOHRP	National Oral Health Research Priorities
NOHSA	National Oral Health Survey of Adults
NTR	No Treatment Required
OCRCC	Oral Cancer Research and Coordinating Centre
OHE	Oral Health Education
OHP MOH	Oral Health Programme Ministry of Health Malaysia
OMFS	Oral and Maxillofacial Surgery
OPMD	Oral Potentially Malignant Disorders
OPOM	Oral Pathology and Oral Medicine
ORL	Otorhinolaryngology
ORTHO	Orthodontics
OSCC	One Stop Crisis Centre
OSH	Occupational Safety and Health
OTE	Oral Tissue Engineering
P5VS	Pain As 5 th Vital Sign
PDC	Private dental clinic
PDEN	Pediatric Dentistry
PDF	Private Dental Facility
PDK	<i>Pusat Pemulihan Dalam Komuniti</i>
PDRA	Professional Dental Regulatory Authority
PDSA	Plan-Do-Study-Act
PEPS1S	<i>Pemeriksaan Pergigian Sekurang-kurangnya Sekali Setahun</i>
PER	Periodontics
PHS	Private Hospital Services
PIC	Person in Charge
PIDC	Penang International Dental College
PKP KKM	<i>Program Kesihatan Pergigian Kementerian Kesihatan Malaysia</i>
PMPCS	Private Medical Practice Control Section
PPKK	Children's Dental Center
PPKPS	<i>Pemasyarakatan Perkhidmatan Klinik Pergigian Sekolah</i>
PPP	Public-Private Partnership
PPR	People's Housing Programme
PrIC	Preliminary Investigation Committee
QA	Quality Assurance
QAP	Quality Assurance Programme
QI	Quality Improvement
QII	Quality Improvement Initiative
QMS	Quantum Medical Solutions
RA	Research Agreement

RCA	Root Cause Analysis
RESD	Restorative Dentistry
RFP	Request for Proposal
RP2	Second Rolling Plan
RTC	Rural Transformation Centre
SCD	Special Care Dentistry
SEGI	SEGi University
SOP	Standard Operating Procedures
SQL	Structured Query Language
STEEPA	Safe, timely, effective, equitable, efficient, people-centred, and accessible
TBD	Toothbrushing Drill
TPC	Temporary Practising Certificates
TPC-OHCIS	Teleprimary Care-Oral Health Care Information System
TW1ST	Transformation with One Smile Together
UiTM	Universiti Teknologi MARA
UKM	National University of Malaysia
UM	Universiti Malaya
USIM	Universiti Sains Islam Malaysia
USM	Universiti Sains Malaysia
UTC	Urban Transformation Centre
VAE	Value at Entry
WEHD	World Environmental Health Day
WH	Wellness Hub
WHA	World Health Assembly
WHA 74.5	World Health Assembly resolution on oral health
WHO	World Health Organisation
WOHD	World Oral Health Day
WTP	Water Treatment Plant