



ORAL HEALTH PROGRAMME  
MINISTRY OF HEALTH



# NATIONAL ORAL HEALTH STRATEGIC PLAN 2022 – 2030

## ABSTRACT

A snapshot version of the National Oral Health Strategic Plan, outlining oral healthcare delivery strategies and activities aiming to further improve Malaysians' health and quality of life.

# THE NATIONAL ORAL HEALTH STRATEGIC PLAN 2022 – 2030

## ORAL HEALTH PROGRAMME, MINISTRY OF HEALTH

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## EXECUTIVE SUMMARY

By the end of 2019 the Technical Task Force for the development of the National Oral Health Strategic Plan (NOHP) Plan 2022 – 2030 was established and the ground work for the plan had also started. In early 2020 the Executive Committee members were appointed and several meetings were held to finalise focus areas, goals, and indicators. The document preparation which was interrupted in 2020 due to the pandemic COVID-19, however was continued and finalised in 2022. At the same time, the Oral Health Programme successfully finalised the first ever National Oral Health Policy which was approved by the Cabinet on 18 May 2022. The policy aims to improve Malaysians’ oral health status and quality of life through collaborating with stakeholders of public and private sectors. This National Oral Health Strategic Plan is a 10-year plan formulated based on consensus of all stakeholders in oral health to ensure commitment of all relevant agencies for the national health agenda. The strategies and actions outlined in the National Oral Health Strategic plan leverage on the active involvement of all dental fraternity working together through coordination and partnership in improving the oral health outcome of the population.

## PRIORITY AREAS AND STRATEGIC THRUST

The National Oral Health Policy outlined six (6) priority areas and nine (9) strategic thrusts as the framework for policy implementation. Thus, the NOHSP 2022 – 2030 acts as the implementation platform for the policy.

Priority Areas	Strategic Thrust
Oral healthcare system	<ul style="list-style-type: none"> <li>• <b>Redesigning oral healthcare system</b> by focusing on the marginalised groups</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Increase accessibility, affordability, and equitability of oral healthcare services</b> especially in under-served and rural areas</li> </ul>
Partnership collaboration	<ul style="list-style-type: none"> <li>• <b>Enhance prevention and control of Non-Communicable Disease (NCD)</b> with the active involvement of other agencies</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Intensify inter and intra agency and public private collaboration</b> to increase service delivery accessibility</li> </ul>
Community Empowerment	<ul style="list-style-type: none"> <li>• <b>Increase awareness and promotion to instil community empowerment</b> and eventually inculcate good oral health behaviour</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Creating healthy and supportive environment</b> with the active involvement of other agencies and enable to inculcate good oral health behaviour</li> </ul>
Standards and monitoring	<ul style="list-style-type: none"> <li>• <b>Strengthen safe and quality oral healthcare service delivery</b> in ensuring safety of the people</li> </ul>
Research and development	<ul style="list-style-type: none"> <li>• <b>Intensify disease surveillance, research and innovation</b> on the magnitude of oral disease and initiative implementation in ensuring quality and efficient service delivery</li> </ul>
Digital transformation and innovation	<ul style="list-style-type: none"> <li>• <b>Leveraging oral health technology</b> to create a holistic record system and high technology service delivery</li> </ul>

## IMPACT INDICATORS

The following major impact indicators will provide for an ongoing monitoring of progress to achieve the overall goals of the NOHSP 2022 – 2030.

PERIODONTAL DISEASE	
Impact Indicators / Goals by 2030	Baseline
≥ 15% 16-year-olds with healthy periodontium (CPI-M=0)	10.6% CPI = 0 (NOHSS <sup>1</sup> 2007) 9.6% aged 15-19 with healthy periodontium (NOHSA <sup>2</sup> 2010)
≥5% of adults in the 35-44 age group with healthy periodontium (CPI-M=0)	1.8% aged 35-44 with healthy periodontium (NOHSA 2010, CPI-Index teeth)
>80% of adults in the 35-44 age group not having advanced periodontal disease	74.7 % adults aged 35-44 with CPI < 4 (NOHSA 2010)
≥50% of 60-year-olds and above retaining ≥ 20 teeth	21.7% of 60-year-olds and above retaining ≥ 20 teeth (NOHSA 2010) 41.7% of 60-year-olds and above retaining ≥ 20 teeth (HIMS <sup>3</sup> 2020)
CARIES	
Impact Indicators / Goals by 2030	Baseline
≥ 50% of 5-year-olds population with caries free dentition	28.7% (NOHPS <sup>4</sup> 2015)
dft 5-years-olds population ≤ 2	4.8 (NOHPS 2015)
≥ 80% of 12-year-olds population with caries free dentition	66.7% (NOHSS 2017)
DMFT 12-years-olds population ≤ 0.6	0.8 (NOHSS 2017)
70% of 16-year-olds population with caries free dentition	40.4% (NOHSS 2007) 41.0% (NOHSA 2010)
DMFT 16-years-olds population ≤ 1.5	2.12 (NOHSS 2007) 1.4 (HIMS 2020)
ORAL CANCER	
Impact Indicators / Goals by 2030	Baseline
30% of oral cancer detected at Stage I	8.6% (NCR <sup>5</sup> 2016) 12.8% (OHP <sup>6</sup> data 2020)
25% reduction of premature mortality from oral cancer	Mortality 2020: 403 (Lip, oral cavity - 1.4%) [Global Cancer Observatory (GLOBACAN Malaysia 2020)] 25% reduction from 1.4% death risk

<sup>1</sup> National Oral Health Survey of Schoolchildren

<sup>2</sup> National Oral Health Survey of Adults

<sup>3</sup> Health Information Management System

<sup>4</sup> National Oral Health Survey of Pre-Schoolchildren

<sup>5</sup> National Cancer Registry

<sup>6</sup> Oral Health Programme

## STRATEGIES

The strategies and initiatives under the National Oral Health Strategic Plan based on the National Oral Health Policy framework:

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
Priority Area 1: Oral healthcare system				
Strategic Thrust: Redesigning oral healthcare delivery system				
S1: Strengthen existing oral health strategies	To prevent initiation of smoking habits by screening of smoking consumption status of pre-school children (aged 5 - 6)	Prevalent of smoking consumption status among pre-school children	<ul style="list-style-type: none"> <li>i. 0% of smoking prevalence among pre-school children</li> <li>ii. 10% reduction of smokers prevalence in 2030, in accordance with the Malaysia Strategic Plan on Tobacco Control</li> </ul>	MOH <sup>7</sup> , MOHE <sup>8</sup> , MDA <sup>9</sup>
	To strengthen clinical prevention programme by adopting fluoride varnish (FV) / application to toddler in high-risk population (Perlis, Kedah, Pahang, Kelantan, Terengganu, Sabah, Sarawak, Labuan)	<ul style="list-style-type: none"> <li>i. Percentage of toddlers in high-risk population receive 4 times fluoride varnish application within 2 years</li> <li>ii. No. of toddler received one (first) application of FV</li> <li>iii. No. of toddler received 4 complete applications of FV within 2 years</li> </ul>	10% of toddler in *high-risk population receive 4 times fluoride varnish application within 2 years * Perlis, Kedah, Pahang, Kelantan, Terengganu, Sabah, Sarawak and Labuan	MOH, MDA
	To improve patient compliance to treatment by developing a 'navigation system' for primary and specialist care to follow up	Patients 'navigation system' developed in primary and secondary care	'Navigation system' developed by 2024	MOH, MOD <sup>10</sup> , MOHE, MDA / PRIVATE ASSOCIATIONS, CRM <sup>11</sup> , OCRCC <sup>12</sup>

<sup>7</sup> Ministry of Health

<sup>8</sup> Ministry of Higher Education

<sup>9</sup> Malaysian Dental Association

<sup>10</sup> Ministry of Defence

<sup>11</sup> Cancer Research Malaysia

<sup>12</sup> Oral Cancer Research & Coordinating Centre

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
	patients with potentially malignant disorders/ risk habits of oral cancer			
	To develop periodontal care protocol for effective management of patients with periodontal diseases in all oral healthcare facilities	Development of protocol	Protocol developed by 2024	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
S2: Enhancing the role of School Dental Clinic ( <i>Pemasyarakatan Klinik Pergigian Sekolah</i> )	To expand the service delivery of the School Dental Clinic as to include school personnel and student's family members	No. of School Dental Clinic with initiative	≥ 5 School Dental Clinic with <i>Pemasyarakatan Klinik Pergigian Sekolah</i> in each state by 2024	MOH, MOE
S3: Improve capacity building	To empower oral healthcare providers in: <ul style="list-style-type: none"> <li>Handling elderly and patient with disability</li> <li>Oral health literacy by developing standard training module/ guidelines</li> </ul>	<ul style="list-style-type: none"> <li>i. Development of standard module/ guideline</li> <li>ii. No. of platforms for delivery of standard module/ guideline</li> </ul>	<ul style="list-style-type: none"> <li>i. Module/ guideline developed by 2024</li> <li>ii. ≥ 1 platform/s for module/ guideline delivery</li> </ul>	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
	To empower dental undergraduate / dental auxiliary students in: <ul style="list-style-type: none"> <li>Handling elderly and patient with disability</li> <li>Oral health literacy by developing standard training module for dental undergraduate / dental auxiliaries training</li> </ul>	<ul style="list-style-type: none"> <li>i. Development of training module</li> <li>ii. Percentage of dental faculty / training centre deliver training module</li> </ul>	<ul style="list-style-type: none"> <li>i. Module developed by 2024</li> <li>ii. 100% of dental faculty and dental training centre deliver training module by 2030</li> </ul>	MOH, MOHE
<b>Strategic Thrust: Increase accessibility, affordability and equitability of oral healthcare services</b>				
S1: Improve oral healthcare accessibility (equity, availability, and affordability)	To propose inclusion of oral cancer screening and treatment in PeKa B40 scheme	Inclusion of oral cancer screening and treatment in PeKa B40	Inclusion of oral cancer screening and treatment in PeKa B40 by 2024	MOH, MDA

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
	To expand the scope of the existing tax incentives for medical screening	Inclusion of oral health screening and treatment in the existing tax incentive for medical screening	Tax incentives for oral health screening and dental treatment in individual income tax by 2023	MOH, MOF <sup>13</sup>
	To develop coordinated and scheduled plan on service delivery to the marginalised / underserved communities	i. Coordinated incremental dental visit ii. No. of relevant agencies involved in this initiative	i. ≥ 1 meeting with relevant agencies annually ii. ≥ 5 meeting relevant agencies involvement	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO <sup>14</sup> , DoSW <sup>15</sup> , JAKOA <sup>16</sup>
	To establish a policy document between Ministry of Health and National Sports Centre	Progress of policy development	i. Policy formulated by 2023 ii. Policy implemented by 2024	MOH, NSC <sup>17</sup>
	To expand oral healthcare service delivery to athletes in various sports centres and sports schools	i. Percentage of athletes in National Sports Centre, State sports Centre, Sports Schools covered ii. Establishment of dental clinic in the National Sports Centre	i. Percentage of coverage: <ul style="list-style-type: none"> <li>• 70% of athletes in the National Sports Centre covered by 2030</li> <li>• 50% of athletes in State Sports Centre covered by 2030</li> <li>• 50% of athlete in Malaysian Sports Schools Council covered by 2030</li> </ul> ii. Establishment of dental clinic in the National Sports Centre by 2030	MOH, MOHE, MDA, NSC
	To engage with relevant agencies in planning government/ private oral health care facilities settings to comply to 'universal design' (Elderly and PWD friendly)	No. of new proposed government / private oral healthcare facilities with universal design after 2021	100% of new public / private oral health care facilities which comply to the 'universal design' (only applicable for ground floor facilities built after 2021)	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS

<sup>13</sup> Ministry of Finance

<sup>14</sup> Non-Government Organisation

<sup>15</sup> Department of Social Welfare

<sup>16</sup> *Jabatan Kebajikan Orang Asli*

<sup>17</sup> National Sports Centre

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
Priority Area 2: Partnership Collaboration				
Strategic thrust: Enhance prevention and control of Non-Communicable Disease (NCD)				
S1: Commence early detection of oral disease	To standardise the tool and technique used for periodontal health screening throughout primary MOH services	Percentage of new patients screened for periodontal health	70% out patient in MOH primary services screened for periodontal health by 2030	MOH
	To measure periodontal health status using Basic Periodontal Examination (BPE) as part of incremental dental care for school children	<ul style="list-style-type: none"> <li>i. Commencement of pilot study in selected schools</li> <li>ii. Expansion of implementation</li> <li>iii. Percentage of schools integrating measuring BPE in incremental dental care</li> </ul>	<ul style="list-style-type: none"> <li>i. Pilot study commences in 2023</li> <li>ii. Implementation expansion in other schools by 2024</li> <li>iii. 100% school visited integrate measuring BPE by 2030</li> </ul>	MOH, MOE
	To engage private/ MOHE/ MOD dental providers in adopting periodontal screening during patient clinical examination	<ul style="list-style-type: none"> <li>i. Baseline data on periodontal screening adoption by private/ MOHE/ MOD dental providers</li> <li>ii. Development of appropriate standard periodontal screening tool and technique</li> <li>iii. Dissemination of standard tool and technique</li> <li>iv. Percentage increment on screening adoption by private/ MOHE/ MOD dental providers</li> </ul>	<ul style="list-style-type: none"> <li>i. Baseline data on periodontal screening adoption by private/ MOHE/ MOD dental providers in 2023</li> <li>ii. Development of standard tool and technique by 2024</li> <li>iii. Dissemination of standard tool and technique through various platforms by 2025</li> <li>iv. ≥ 10% increment from baseline of periodontal screening adoption by private/ MOHE/ MOD dental providers in 2028</li> </ul>	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
	To increase opportunistic oral cancer screening to all patients aged 18 and above attending oral healthcare facilities	<ul style="list-style-type: none"> <li>i. Percentage of patients aged 18 and above undergone opportunistic cancer screening in MOH/ MOD/ MOHE facilities</li> </ul>	<ul style="list-style-type: none"> <li>i. 100% patient aged 18 and above undergone opportunistic cancer screening in MOH facilities by 2030</li> <li>ii. 100% patient aged 18 and above undergone opportunistic cancer</li> </ul>	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS



STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
		ii. Percentage of private dental clinic adopted opportunistic cancer screening for patient aged 18 and above (baseline data survey in 2023)	screening in MOD facilities by 2030 iii. 100% patient aged 18 and above undergone opportunistic cancer screening in MOHE facilities by 2030 iv. $\geq 10\%$ increment (from baseline data) private dental clinic adopted opportunistic cancer screening for patient aged 18 and above by 2030	
	To advocate involvement of relevant agencies in community oral cancer screening	No. of agencies conduct oral cancer screening during communities' activities	$\geq 5$ of relevant agencies conducted community oral cancer screening	MOH, MOD, MOHE, MDA/ PRIVATE ASSOCIATIONS, NGO
	To advocate non-dental undergraduate (medical, pharmacy, allied medical professionals) on oral cancer detection by developing e-learning modules on oral cancer	E-learning modules developed for oral cancer	i. E-learning modules developed by 2024	MOH, MOHE
	To advocate involvement of medical healthcare providers in MOH, MOHE, MOD, private general practitioners for initial dental screening (lift the lip) among toddlers and mothers and encourage referral to oral healthcare personnel	i. No. of agencies engaging with medical healthcare providers to initiate "lift the lip" screening (initial screening) for toddler and mothers and referral to oral healthcare personnel ii. No. of agencies with medical healthcare providers adopting initiative	i. $\geq 1$ agency/s initiate engagement in 2023 ii. $\geq 1$ agency/s with medical healthcare providers adopting initiative by 2025	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS



STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
	To engage MOH healthcare providers in referring diabetic patients for periodontal screening	Percentage of diabetic patients referred for periodontal screening	70% diabetic patients referred to MOH dental facilities for periodontal screening by 2030	MOH
S2: Strengthen adults' smoking prevention and cessation programme	To develop guideline/ protocol on smoking cessation for dental practitioner	Development of guideline/ protocol	Guideline/ protocol on smoking cessation for dental practitioner developed by 2024	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
	To establish smoking cessation service in all oral healthcare facilities	No. oral healthcare facilities provide smoking cessation services	<ul style="list-style-type: none"> <li>i. 100 % MOH primary care clinic and DPHSU<sup>18</sup> offer smoking cessation service by 2030</li> <li>ii. 100% primary dental clinic of all public and private dental school offer smoking cessation service by 2030</li> <li>iii. 50% of DSMAF<sup>19</sup> hospital offer smoking cessation service by 2030</li> <li>iv. 10% Private Dental Clinic offer smoking cessation service by 2030</li> </ul>	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO
S3: Improve water fluoridation coverage in the population	To ensure water treatment plant is equipped with fluoride feeder	Percentage of new/ existing WTP with fluoride feeder	≥ 80% of WTP with fluoride feeders by 2030	MOH
	To ensure conformance of optimum fluoride level at the reticulation point	i. Percentage of readings at identified reticulation points with 0.4-0.6 ppm fluoride level	≥ 90% of reticulation points with 0.4-0.6 ppm fluoride level by 2030	MOH
<b>Strategic thrust: Intensify inter and intra agency and private collaboration</b>				
S1: Extending oral healthcare coverage to identified target groups by	To engage agencies in the developing of a coordinated and scheduled plan on service delivery to the marginalised	Engagement with relevant agencies to coordinate scheduled visit plan to elderly institutions / PWDs' institutions	≥ 2 engagements with relevant agencies to coordinate scheduled visits to elderly institutions / PWDs'	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO DoSW, JAKOA

<sup>18</sup> Dental Public Health Specialist Unit

<sup>19</sup> Dental Service Malaysian Armed Forces

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
intra agency and public-private partnership	groups (elderly institutions / PWDs' institutions / Orang Asal Settlement / B40 area)	/ Orang Asal Settlement / B40 area	institutions / Orang Asal Settlement / B40 area	
	To provide dental check-up and treatment for young adult groups at higher institution/ young adult institution/ school	No. of young adult institution visited	≥ 5 young adult institutions visited annually	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO
	To expand toddler (children aged 0-4) outreach programme by involving other agencies (private dental practitioner / dental faculties / NGO)	No. of agencies involved in initiative	≥ 80 agencies (other than MOH) involved in initiative by 2025	MOH, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO
S2: Strengthen inter-sectoral collaboration in ensuring the success of water fluoridation programme implementation	To conduct regular meeting / engagement with respected water supply authorities	No. of meetings/ discussions conducted with water supply authorities	≥ 1 meeting / discussion in every state annually	MOH, State Water Supply Company
S3: Strengthen inter-sectoral collaboration via coordinated action in reducing sugar consumption among Malaysian	Direct reference to <i>Pelan Strategik Mengurangkan Gula dalam Kalangan Rakyat Malaysia 2022-2025</i>			
S4: Enhance the role of dental industry	To engage dental industry in enhancing usage of dental amalgam alternative restorative materials	No. of dental industries involvement	≥ 5 dental industries actively involved in initiatives	MOH, DENTAL INDUSTRIES
<b>Priority Area 3: Community Empowerment</b>				
Strategic thrust: Increase promotion and awareness to instil community empowerment				
S1: Strengthen existing oral health promotion strategies	To disseminate oral health messages through existing oral health campaign incorporating following topics: <ul style="list-style-type: none"> <li>• Mouth self-examination</li> <li>• Anti-smoking messages</li> </ul>	No. of existing oral health campaign organized promoting mouth self-examination and anti-smoking	100% existing oral health campaign promoting mouth self-examination and anti-smoking	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
	To promote and encourage the use of mouth guard among contact sports athletes by relevant agencies (National Sports Centre, State Sports Centre, Sports Schools Council)	i. Development of mouthguard usage awareness module ii. Dissemination of awareness module by National Sports Centre, State Sports Centre, Sports Schools Council by relevant agencies	i. Module developed by 2023 ii. 100% module awareness dissemination to contact sports athletes by relevant agencies annually	MOH, MOD, MOHE, NSC
	To develop standard Chair Side Oral Health Education Module / promotion material incorporating following topics: <ul style="list-style-type: none"> <li>• Tooth, gingival and tongue brushing technique</li> <li>• Introduction of interdental cleaning aids (floss and interproximal brush)</li> <li>• Healthy dietary practises, regular physical activities</li> <li>• Mouth self-examination (MSE)</li> <li>• Anti-smoking messages</li> </ul>	Standard OHE module / promotion material developed	Standard OHE Module developed and distributed by 2024	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO
	To develop e-learning / open learning modules on oral cancer	No. of e-learning modules developed for oral cancer	≥ 1 learning modules developed in 2024	MOH, MOHE
<b>Strategic thrust: Creating healthy and supportive environment</b>				
S1: Encourage supportive environment for nurseries and pre-school children	To encourage daily effective tooth brushing drill (TBD) programme for nurseries/ pre-school	Percentage of pre-school/ TASKA/ Tadika implement daily TBD	i. 100% government pre-school/ TASKA/ Tadika implement daily TBD by 2030 ii. 10% private pre-school/ TASKA/ Tadika implement daily TBD by 2030	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
Priority Area 4: Standard and Monitoring				
Strategic Thrust: Strengthen safe and quality oral healthcare service delivery				
S1: Increase awareness on the current medicolegal / legislation among oral healthcare providers	i. To develop CPD on medicolegal / legislation issues ii. To monitor CPD activities and no. of participants	i. No. of Medico-Legal topic of CPD activities ii. No. of attendance to the Medico-Legal CPD activities	70% of dental practitioners undergo current legislation CPD topic by 2030	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS, NGO
	To develop medico-legal / legislation topic to be included in Professional Qualifying Examination (PQE)	Progress status of medio-legal topic incorporated in PQE	Medico-legal topic included in PQE by 2025	MOH, MOHE
S2: Ensure standard and quality patient's dental record	To develop standard guidelines on dental record	i. Guidelines completed and approved ii. No. of facilities complied with the standard dental records (start after 6 months of enforcement)	i. Guidelines completed and approved by 2024 ii. 70% facilities complied with the standard dental records by 2030	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
S3: Ensure safe and quality oral healthcare service delivery in all oral healthcare facilities	To perform periodic audits of dental facilities compliance	No. of dental facilities complied to the quality standard	70% dental facilities comply to the standard quality	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
S4: Ensure safe and phase down dental amalgam usage in oral healthcare facilities	To monitor dental amalgam usage on patients in dental facilities	i. Percentage of amalgam usage on patients in MOH and MOD dental facilities ii. Percentage of private dental clinics audited not using amalgam on patients iii. Percentage of dental faculties not using dental amalgam on patients	i. Amalgam usage in MOH and MOD dental facilities <ul style="list-style-type: none"> <li>5% amalgam usage in MOH facilities by 2025</li> <li>Phase out usage by 2030</li> </ul> ii. 80% of private dental clinics audited not using dental amalgam on patients by 2025 iii. 100% dental faculties not using dental amalgam on patients by 2030	MOH, MOHE, MOD, MDA

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
Priority Area 5: Research and development				
Strategic Thrust: Intensify disease surveillance, research and innovation				
S1: Strengthen research initiatives	To assess the magnitude or severity of oral disease or oral condition among the index group/ vulnerable group	No. of research done	≥ 1 population-based survey done by each target group by 2030 (pre-school, school children, adolescent, adult and elderly)	MOH, MOHE, MOD, MDA / PRIVATE ASSOCIATIONS
	To evaluate the effectiveness of oral health intervention programme	No. of evaluation done	≥ 2 quasi-experimental study done on specific intervention program by 2030	MOH, MOHE, MOD, MDA / PRIVATE ASSOCIATIONS
	To evaluate health economic impact on disease burden	No. of evaluation done	≥ 2 health economy study done by 2030	MOH, MOHE, MOD, MDA / PRIVATE ASSOCIATIONS
	To assess the usage of digital technologies and EMR in improving Malaysian population health and data management	No. of assessment done	≥ 1 assessment study done by 2030	MOH, MOHE, MOD, MDA / PRIVATE ASSOCIATIONS
	To assess the oral health literacy level of the Malaysian population	Oral health literacy assessment	i. Oral Health Literacy Index validated by 2023 ii. Oral Health Literacy Population Baseline Assessment done by 2025 iii. Oral Health Literacy Population Assessment by 2030 (NOHSA 2030)	MOH, MOHE
	To assess cost and mechanical properties of dental amalgam and alternative restorative materials	Status progress of systematic review/ meta-analysis	Technical report completed by 2025	MOH, MOHE
	To conduct pilot study on dental amalgam and alternative restorative materials used in MOH facilities	Status progress of pilot study and findings	i. Pilot study commences 2023 ii. Study completed and findings presented by 2025	MOH

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
Priority Area 6: Digital transformation and innovation				
Strategic Thrust: Leveraging health technology				
S1: Encourage oral healthcare providers to deploy the EMR system	To conduct engagement session for the adoption of EMR system	Status progress	i. 100% of primary care dental clinics in Ministry of Health shall deploy the TPC-OHCIS system by 2030	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
	To determine the use of EMR system at other oral healthcare providers by quick survey	Status progress	ii. 100% of dental clinics in the hospital of Ministry of Health shall deploy the EMR system by 2030	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
	To formulate regulations mandating the adoption of EMR system	Status progress	iii. 100% of private dental clinics shall deploy the EMR system by 2030	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
	To propose for budget allocation in adopting EMR system for public sector	Status progress	iv. 100% of private / public dental higher learning institutions / Armed Forces dental facilities shall deploy the EMR system by 2030	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
S2: Ensure security, feasibility, and legality on data sharing through EMR system be emphasized	To identify the relevant data to be shared	Status progress	i. ≥ 5 vendors comply with security/ data sharing protocol and option for consent by 2030 ii. ≥ 5 vendors integrate a standard framework in their system by 2030 iii. 100% of private dental clinics utilize interoperable EMR by 2030	MOH, MOD, MOHE, MDA / PRIVATE ASSOCIATIONS
	To formulate the security protocol			
	To provide data sharing option to patients and their consent			
	To propose amendment of data sharing act (if necessary)			
S3: Ensure integration of multiple EMR system by providers/vendors in the market comply with the interoperable framework	To conduct engagement session for the adoption of EMR system that comply with the interoperable framework	Status progress	iv. 100% of private / public dental higher learning institutions / Armed Forces dental facilities utilize interoperable EMR by 2030	

STRATEGIES	INITIATIVES / ACTIONS	INDICATORS	TARGET / TIME FRAME	AGENCIES
S4: Encourage participation from private dental practice, dental schools, Malaysia Armed Forces, and other healthcare providers to feed oral health data to existing data warehouse		Status progress		





## **IMPLEMENTATION AND MONITORING**

The implementation of the National Oral Health Policy is through integration with other existing policies and agenda of the Ministry of Health or other relevant agencies and ministries. A structured implementation of strategies will be carried out through the National Oral Health Strategic Plan over a period of ten (10) years. The goals and impact indicators of the plan shall be reviewed and re-formulated and strategies re-aligned where relevant during the Mid-Term review in 2026.

### **The Executive Committee**

An Executive Committee shall be established as the monitoring body to spearhead, facilitate, monitor, and evaluate the Plan. The Committee shall be of multisectoral representation to ensure effective collaboration for implementation of strategies and activities of the Plan.

It will be the prerogative of the Executive Committee to appoint task forces and work groups where necessary in development of the plan. Such task forces may include members from specialties and other professional groups.

### **The Secretariat**

The main secretariat shall be from the Oral Health Programme, Ministry of Health. The secretariat shall be responsible to co-ordinate meetings, produce minutes and generate progress reports. In view of coordinating progress report from other agencies there shall be Secretariats appointed from these three main agencies of dental fraternity:

- i. Oral Health Division, Ministry of Defence
- ii. Dental Faculties, Ministry of Education
- iii. Malaysian Dental Association

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MINISTRY OF HEALTH

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