

MESYUARAT JAWATANKUASA PEMANDU MNHA 2018



Seksyen
Malaysia National Health Accounts (MNHA)
Bahagian Perancangan
Cawangan Perancangan Pembiayaan, Informatik &
Akaun Kesihatan
Kementerian Kesihatan Malaysia

22 November 2018

Seksyen MNHA, Bahagian Perancangan - 2018

MALAYSIA NATIONAL HEALTH ACCOUNTS

National Health Expenditure Report 1997-2017

Note : This presentation was prepared for endorsement of MNHA National Health Expenditure Report 1997-2017 by MNHA Steering Committee on 22nd November 2018.

- For further information, please contact us at mnha@moh.gov.my

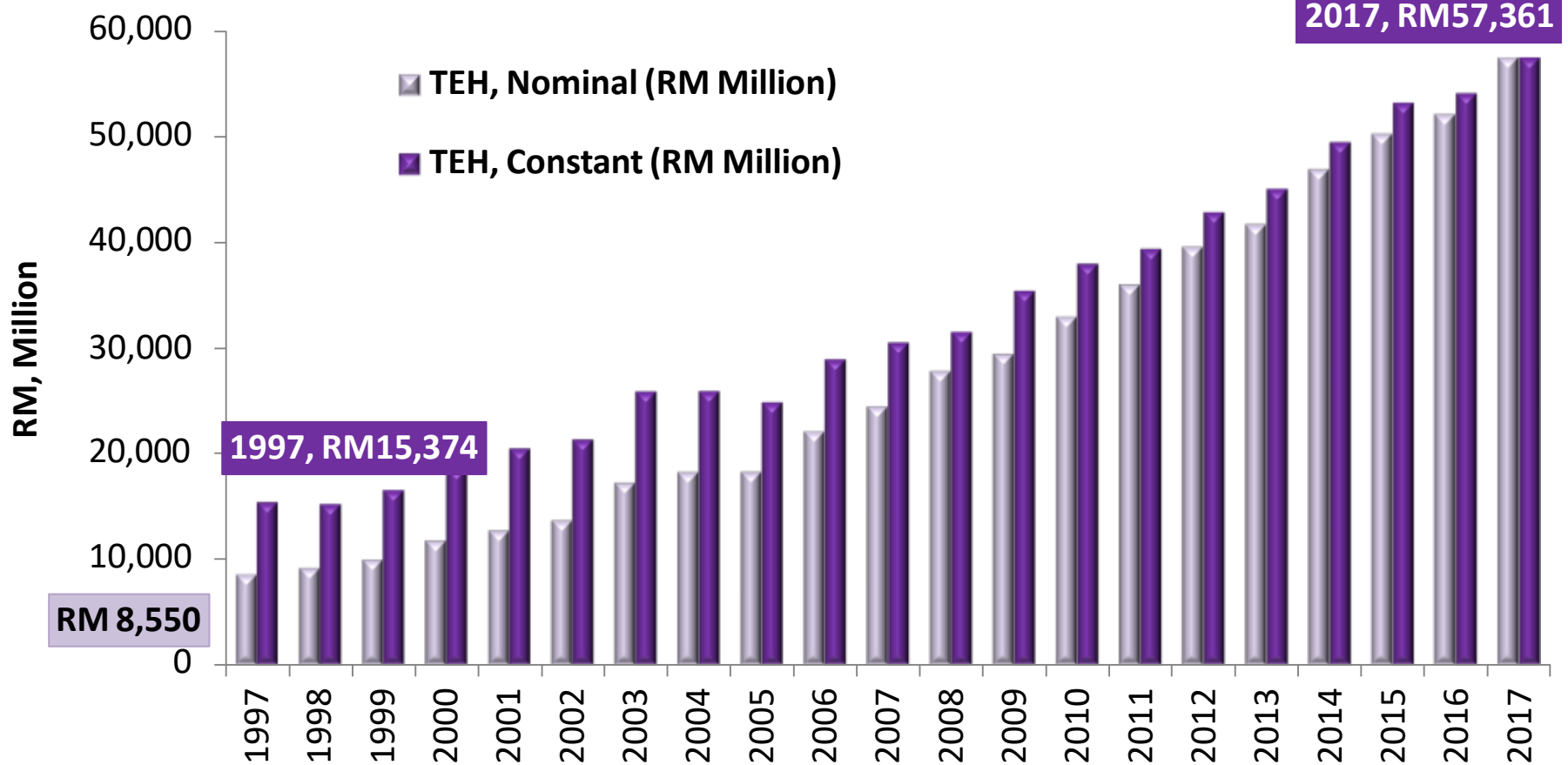
Outline

- National Health Expenditure 1997-2017
- Ministry of Health (MOH) Expenditure
- Out-of-Pocket (OOP) Expenditure
- Primary Care (PC) & Primary Health Care (PHC) Expenditure
- International Data of National Health Accounts

NATIONAL HEALTH EXPENDITURE 1997-2017

Total Expenditure on Health (TEH) , 1997-2017 (RM Million, nominal & constant)

Note: TEH increased average 7% per year (constant value)

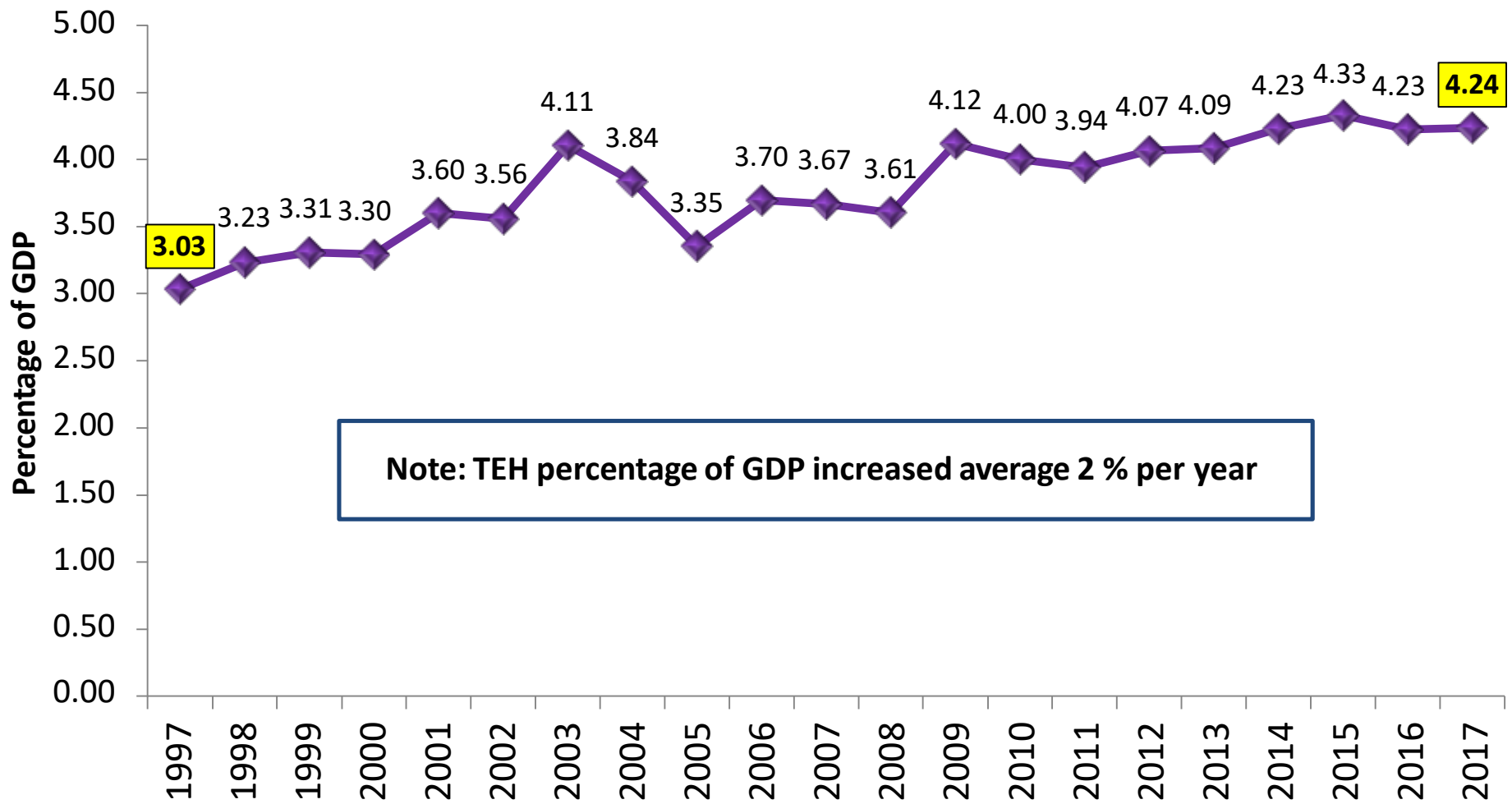


Total Expenditure on Health (TEH), 1997-2017 (RM Million, nominal & constant*)

Year	TEH, Nominal (RM Million)	TEH, Constant (RM Million)*
1997	8,550	15,374
1998	9,156	15,189
1999	9,953	16,512
2000	11,745	18,528
2001	12,703	20,448
2002	13,640	21,305
2003	17,203	25,846
2004	18,200	25,866
2005	18,231	24,793
2006	22,072	28,862
2007	24,414	30,461
2008	27,758	31,458
2009	29,365	35,341
2010	32,872	37,885
2011	35,937	39,291
2012	39,505	42,764
2013	41,625	44,980
2014	46,828	49,385
2015	50,176	53,110
2016	52,018	54,004
2017	57,361	57,361

Note: *Constant value estimated by MNHA using GDP Deflator Values from DOSM

Total Expenditure on Health as Percentage of GDP



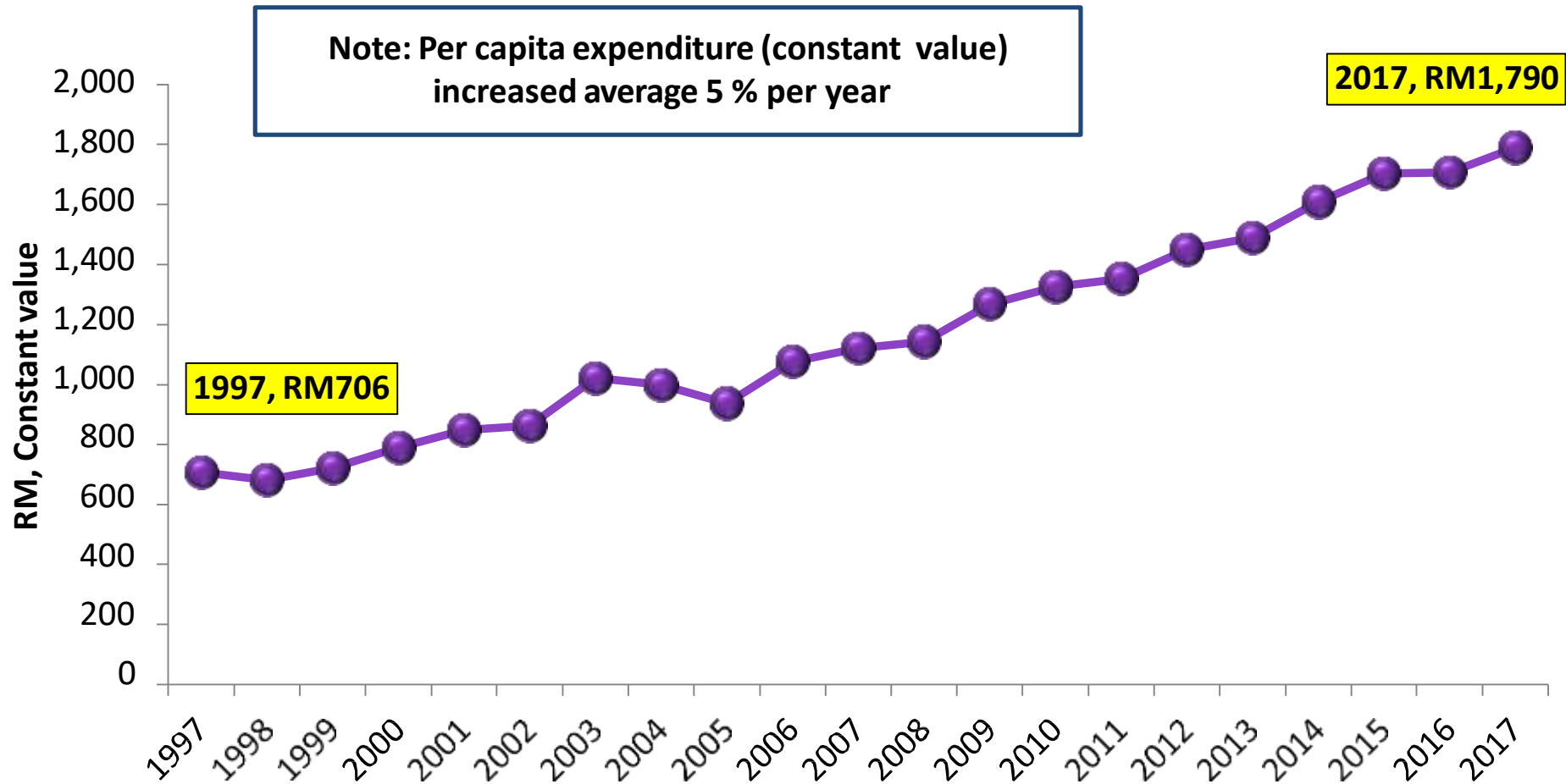
Total Expenditure on Health as Percentage of GDP

Year	Total Health Expenditure, (TEH), Nominal (RM Million)	Total GDP, Nominal (RM Million)*	Total Health Expenditure (TEH), Nominal as % GDP
1997	8,550	281,795	3.03
1998	9,156	283,243	3.23
1999	9,953	300,764	3.31
2000	11,745	356,401	3.30
2001	12,703	352,579	3.60
2002	13,640	383,213	3.56
2003	17,203	418,769	4.11
2004	18,200	474,048	3.84
2005	18,231	543,578	3.35
2006	22,072	596,784	3.70
2007	24,414	665,340	3.67
2008	27,758	769,949	3.61
2009	29,365	712,857	4.12
2010	32,872	821,434	4.00
2011	35,937	911,733	3.94
2012	39,505	971,252	4.07
2013	41,625	1,018,614	4.09
2014	46,828	1,106,443	4.23
2015	50,176	1,158,513	4.33
2016	52,018	1,231,020	4.23
2017	57,361	1,353,380	4.24

Source: *Department of Statistics Malaysia, DOSM

Seksyen MNHA, Bahagian Perancangan - 2018

Per Capita Expenditure on Health, 1997-2017 (Constant, RM)*



Note: *Constant value estimated by MNHA using GDP Deflator Values from DOSM

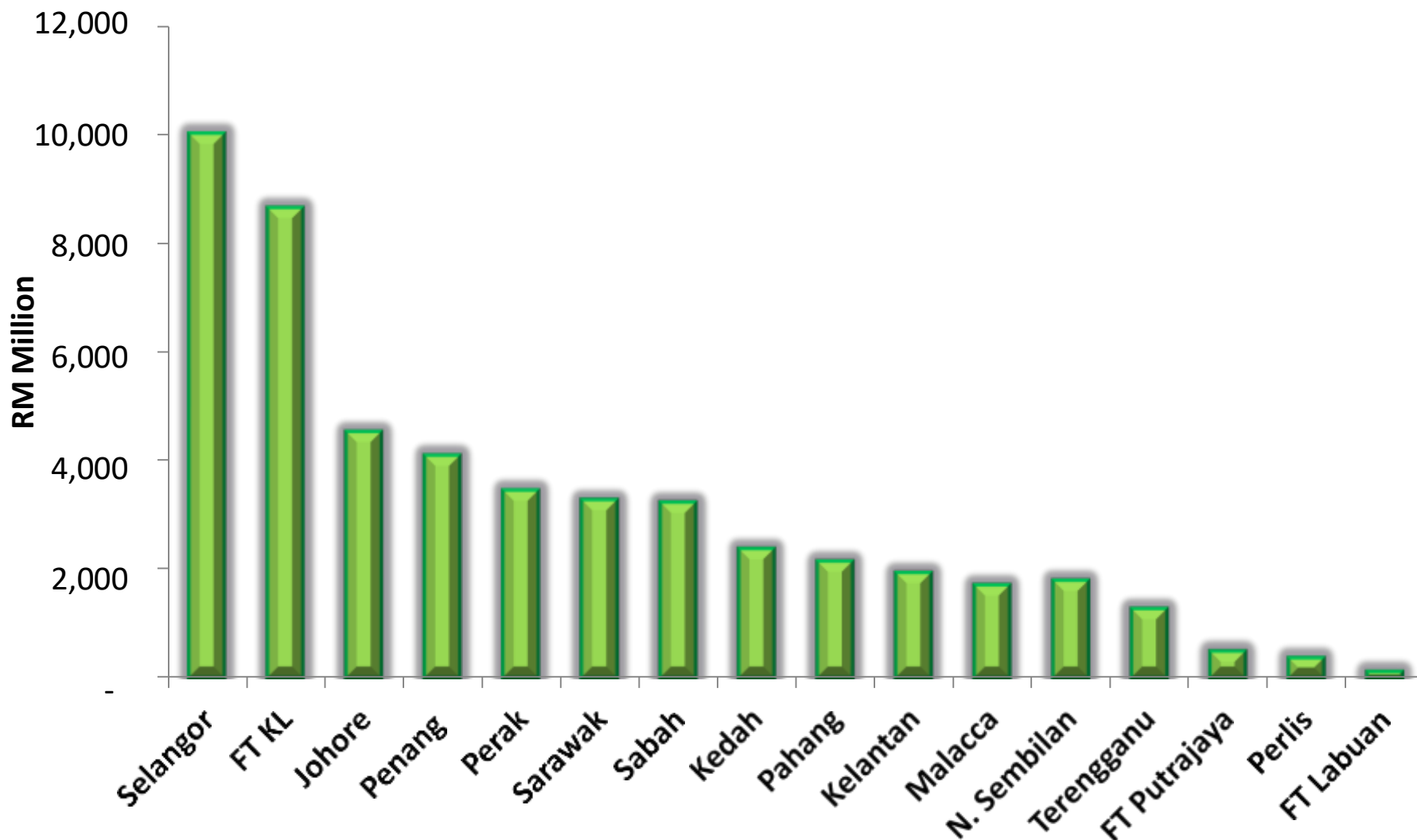
Per Capita Expenditure on Health, 1997-2017 (Constant, RM)*

Year	Total Health Expenditure, Constant *(RM Million)	Total Population**	Per Capita TEH, Constant * (RM)
1997	15,374	21,769,200	706
1998	15,189	22,333,500	680
1999	16,512	22,909,400	721
2000	18,528	23,494,900	789
2001	20,448	24,123,400	848
2002	21,305	24,727,100	862
2003	25,846	25,320,100	1,021
2004	25,866	25,905,100	998
2005	24,793	26,477,100	936
2006	28,862	26,831,400	1,076
2007	30,461	27,186,000	1,120
2008	31,458	27,540,300	1,142
2009	35,341	27,895,100	1,267
2010	37,885	28,588,800	1,325
2011	39,291	29,062,100	1,352
2012	42,764	29,509,900	1,449
2013	44,980	30,213,800	1,489
2014	49,385	30,708,600	1,608
2015	53,110	31,186,100	1,703
2016	54,004	31,633,400	1,707
2017	57,361	32,049,900	1,790

Note: *Constant value estimated by MNHA using GDP Deflator Values from DOSM

Source: ** Department of Statistics Malaysia, DOSM

Health Expenditure by State, 2017, (RM Million)



Seksyen MNHA, Bahagian Perancangan - 2018

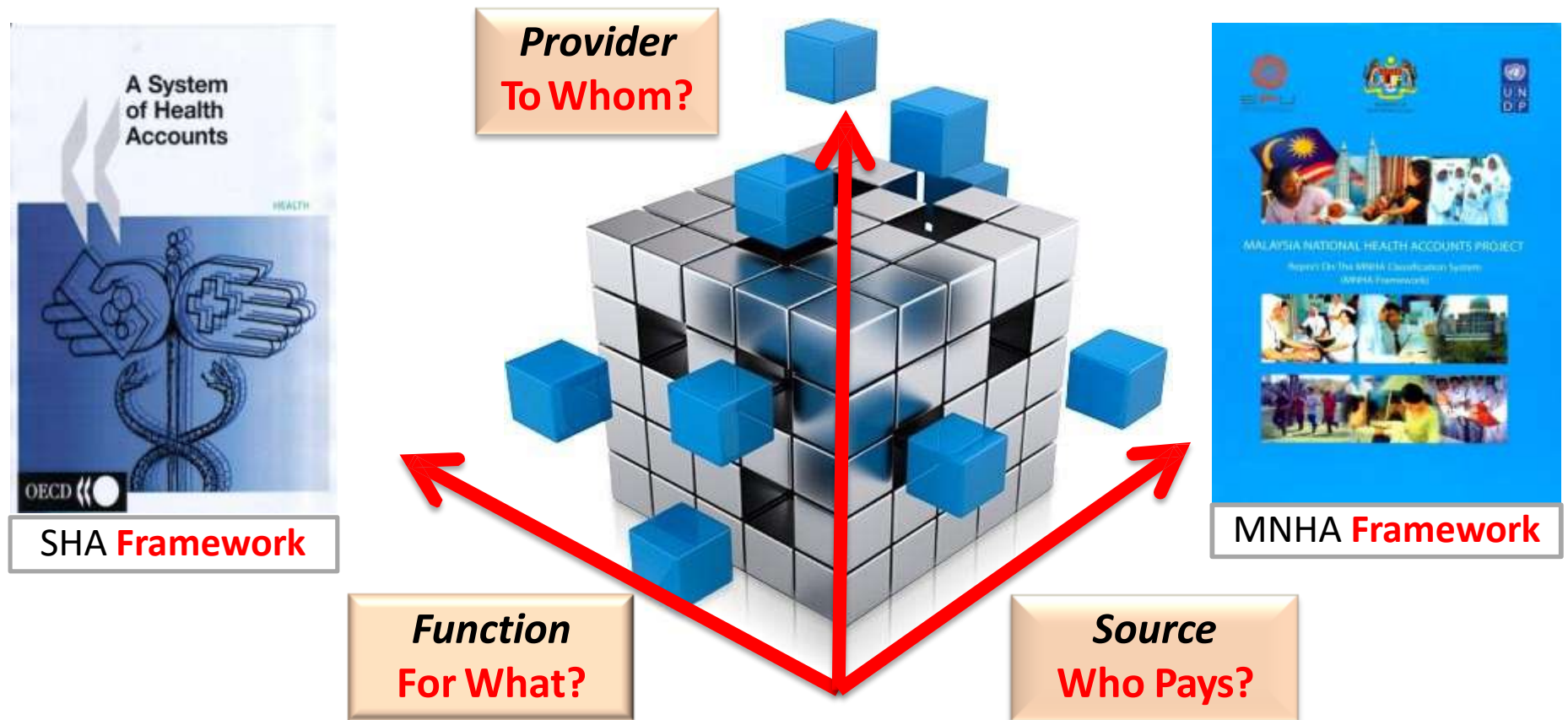
Health Expenditure by State, 2017 (RM Million)

State	Health Expenditure (RM Million)	Population*
Selangor	10,020	6,380,800
FT Kuala Lumpur	8,653	1,791,300
Johore	4,531	3,700,500
Penang	4,096	1,746,300
Perak	3,450	2,496,400
Sarawak	3,277	2,767,600
Sabah	3,232	3,866,800
Kedah	2,374	2,146,200
Pahang	2,144	1,648,000
Kelantan	1,935	1,829,700
Malacca	1,708	914,700
N. Sembilan	1,796	1,117,100
Terengganu	1,270	1,207,700
FT Putrajaya	490	97,700
Perlis	368	252,200
FT Labuan	111	86,900
National (unable to allocate)	7,907	
Total	57,361	32,049,900

Source: * Department of Statistics Malaysia, DOSM

Seksyen MNHA, Bahagian Perancangan - 2018

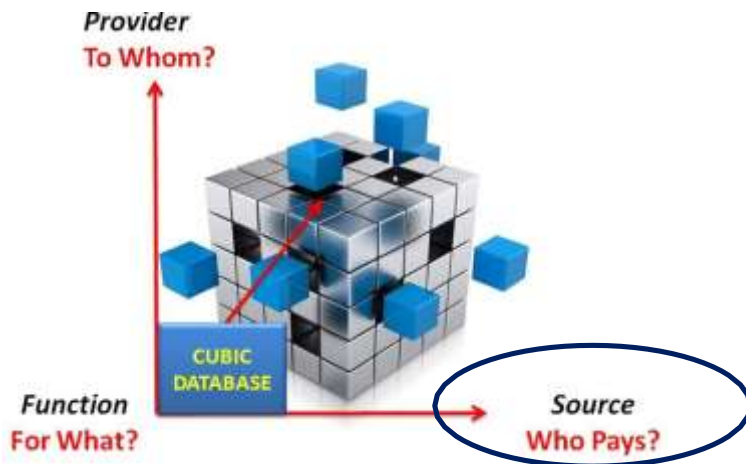
Basic Framework of NHA (SHA/MNHA)



Both SHA & MNHA follow the basic NHA tri-axial framework

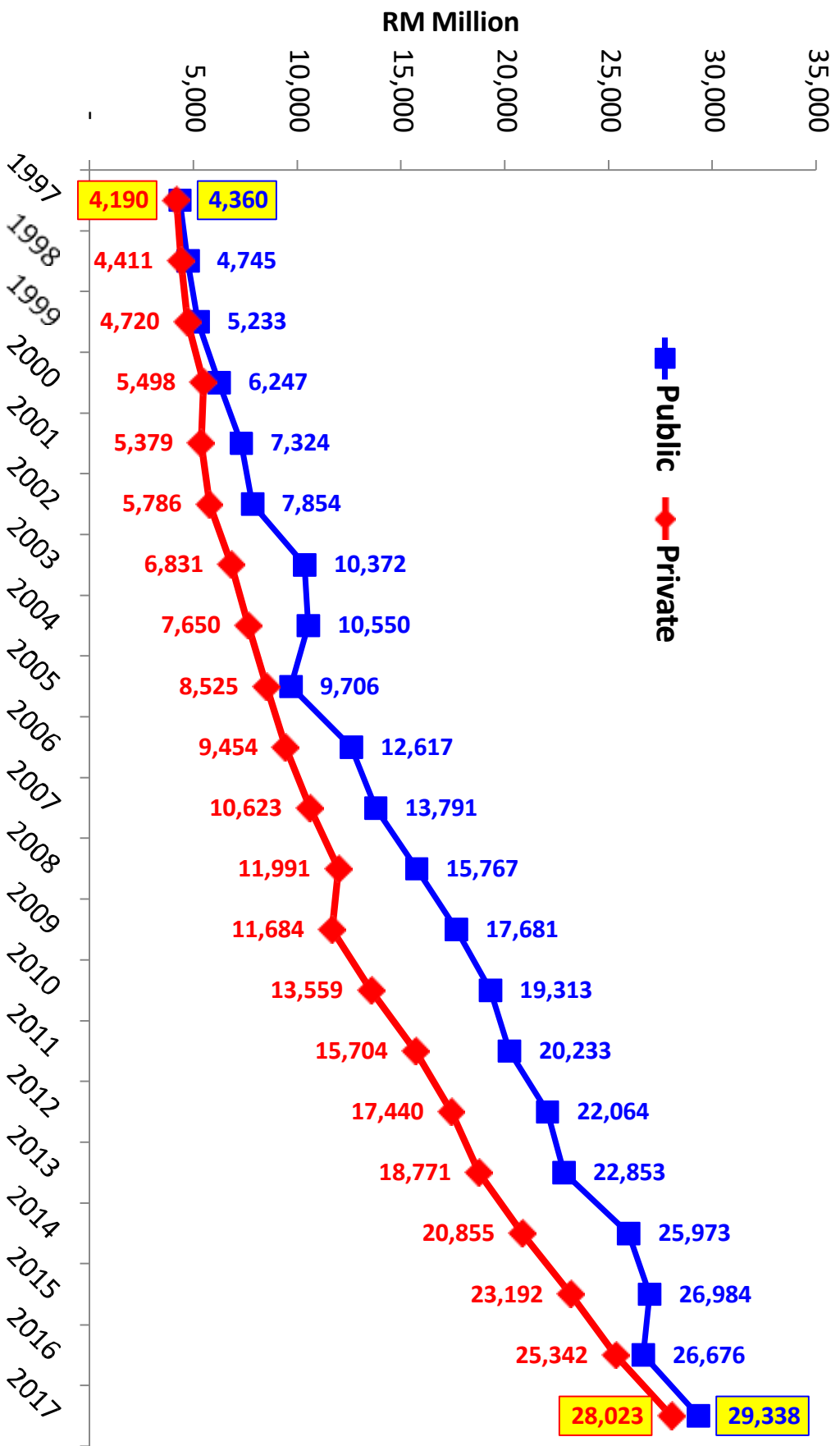
SOURCES OF FINANCING

*Who Pays?
Where does the money come from?*

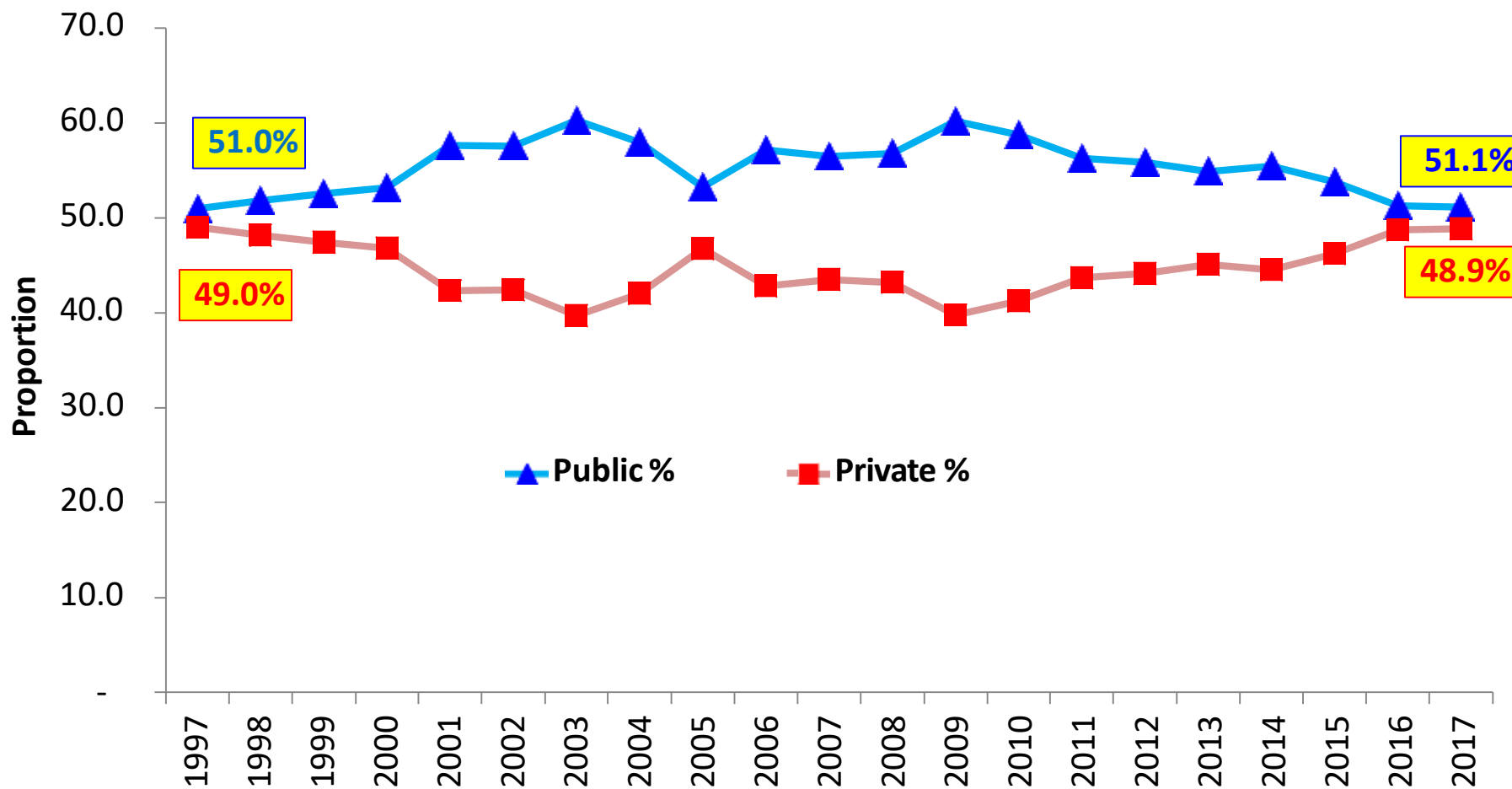


Seksyen MNHA, Bahagian Perancangan - 2018

Total Expenditure on Health by Sources of Financing by Public & Private Sectors, 1997-2017, RM Million



Total Expenditure on Health by Sources of Financing by Public & Private Sectors, 1997-2017, Proportion

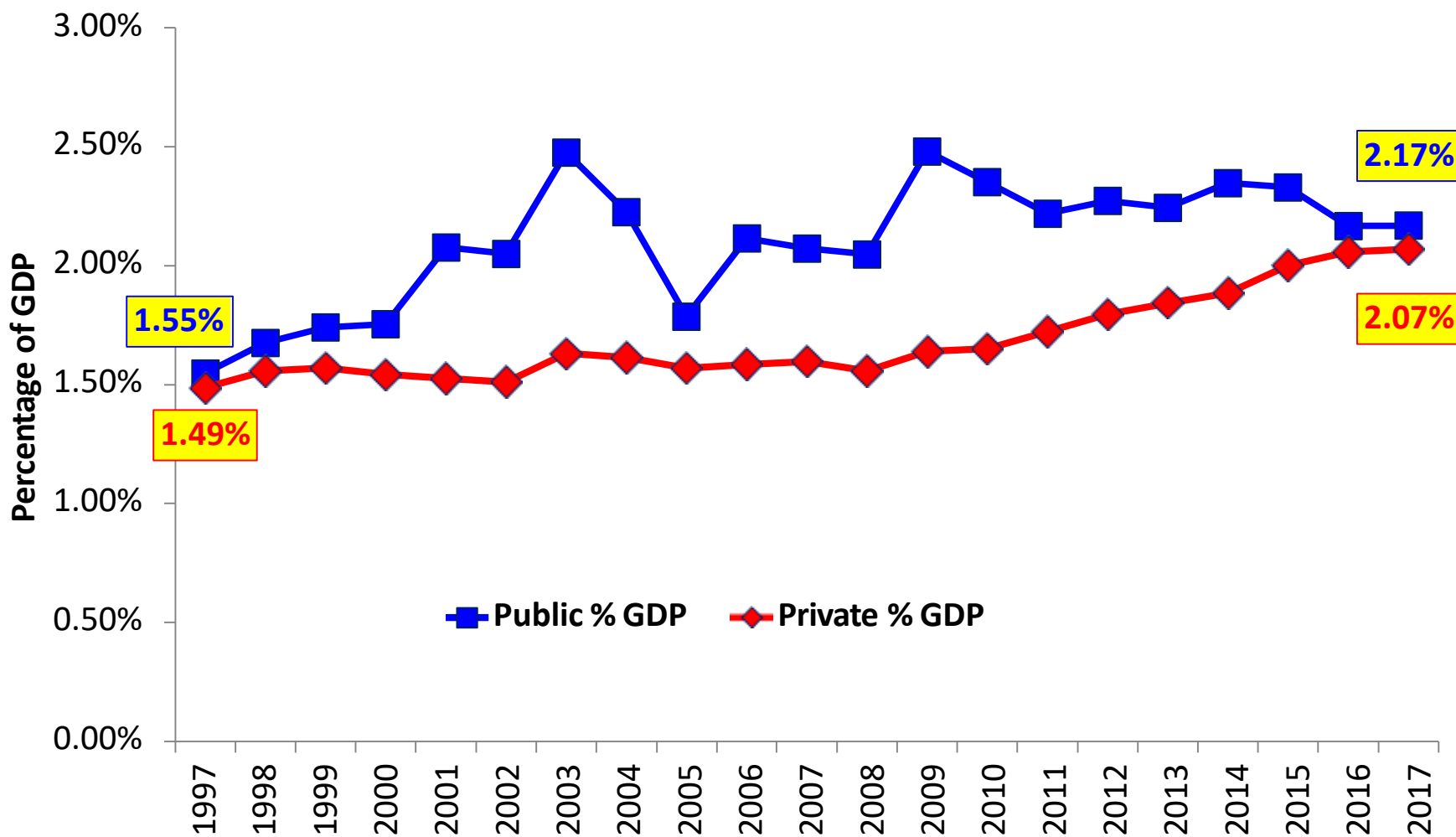


Total Expenditure on Health by Public and Private Sectors, 1997-2017, RM Million & Proportions

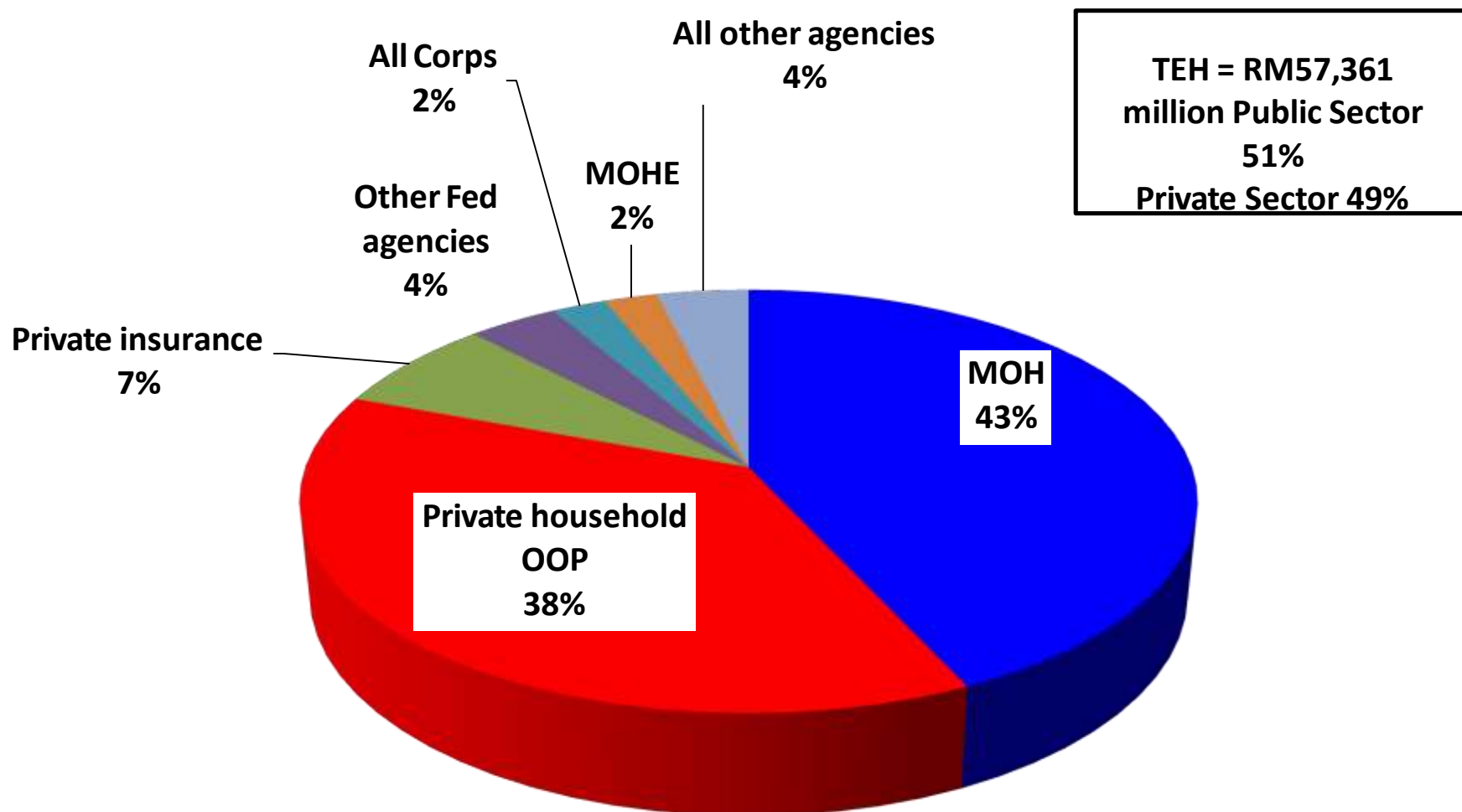
Year	Public Sector		Private Sector		Total RM Million
	RM Million	%	RM Million	%	
1997	4,360	50.99%	4,190	49.01%	8,550
1998	4,745	51.83%	4,411	48.17%	9,156
1999	5,233	52.58%	4,720	47.42%	9,953
2000	6,247	53.19%	5,498	46.81%	11,745
2001	7,324	57.65%	5,379	42.35%	12,703
2002	7,854	57.58%	5,786	42.42%	13,640
2003	10,372	60.29%	6,831	39.71%	17,203
2004	10,550	57.97%	7,650	42.03%	18,200
2005	9,706	53.24%	8,525	46.76%	18,231
2006	12,617	57.17%	9,454	42.83%	22,072
2007	13,791	56.49%	10,623	43.51%	24,414
2008	15,767	56.80%	11,991	43.20%	27,758
2009	17,681	60.21%	11,684	39.79%	29,365
2010	19,313	58.75%	13,559	41.25%	32,872
2011	20,233	56.30%	15,704	43.70%	35,937
2012	22,064	55.85%	17,440	44.15%	39,505
2013	22,853	54.90%	18,771	45.10%	41,625
2014	25,973	55.46%	20,855	44.54%	46,828
2015	26,984	53.78%	23,192	46.22%	50,176
2016	26,676	51.28%	25,342	48.72%	52,018
2017	29,338	51.15%	28,023	48.85%	57,361

16

Total Expenditure on Health by Public and Private Sectors as Percentage of GDP, 1997-2017



Total Expenditure on Health by All Sources of Financing, 2017

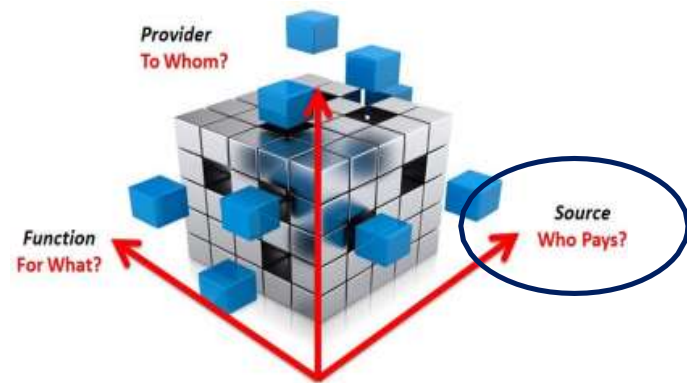


Total Expenditure on Health by All Sources of Financing, 2017

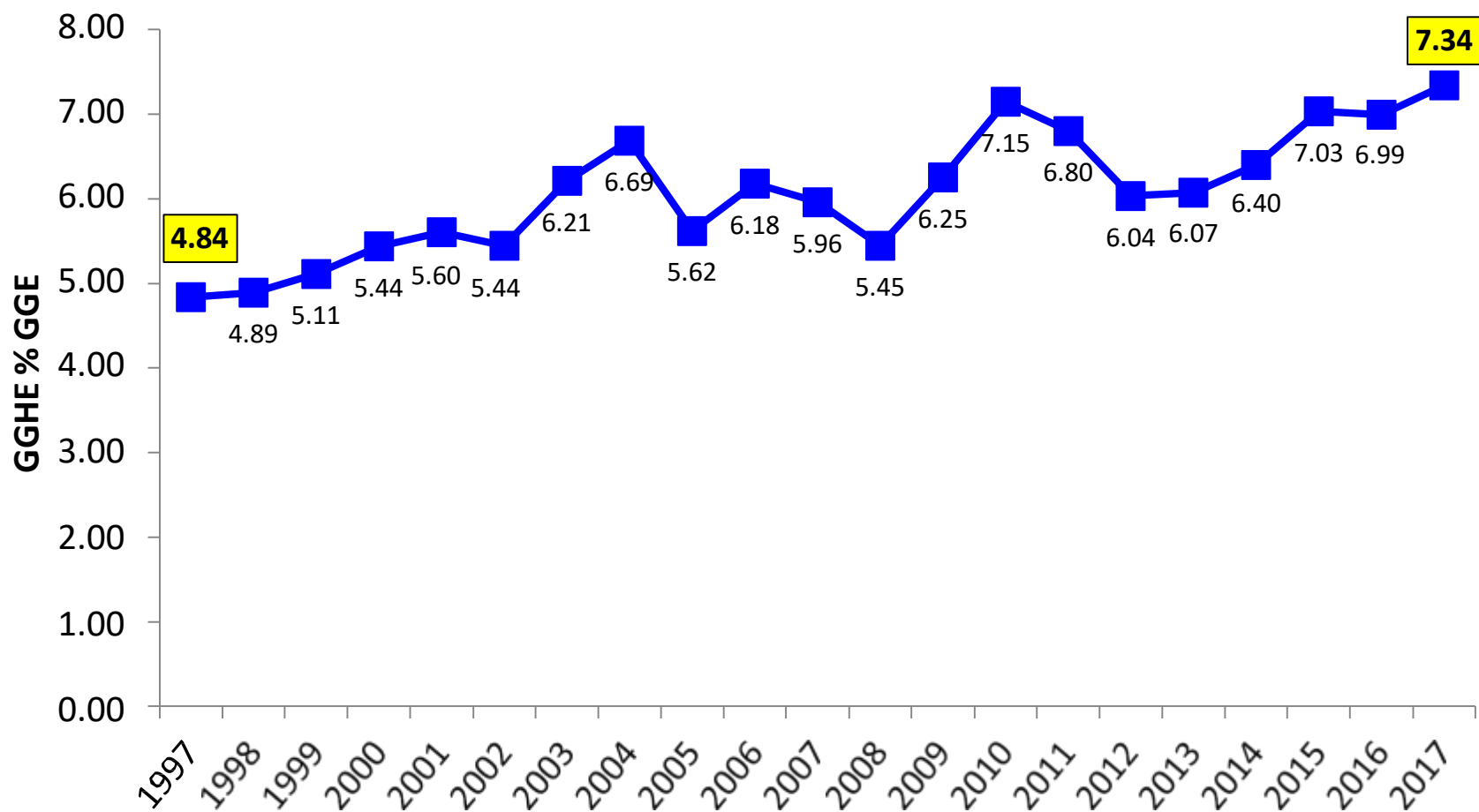
MNHA Code	Sources of Financing	RM Million	Per cent
MS1.1.1.1	Ministry of Health (MOH)	24,715	43.09
MS2.4	Private household out-of-pocket expenditures (OOP)	21,573	37.61
MS2.2	Private insurance enterprises (other than social insurance)	4,085	7.12
MS1.1.1.9	Other federal agencies (including statutory bodies)	2,178	3.80
MS2.6	All corporations (other than health insurance)	1,313	2.29
MS1.1.1.2	Ministry of Higher Education (MOHE)	1,283	2.24
MS2.3	Private MCOs and other similar entities	984	1.72
MS1.1.2.2	Other state agencies (including statutory bodies)	405	0.71
MS1.2.2	Social Security Organization (SOCSSO)	329	0.57
MS1.1.3	Local authorities (LA)	139	0.24
MS1.1.1.3	Ministry of Defence (MOD)	132	0.23
MS1.1.2.1	(General) State government	99	0.17
MS2.5	Non-profit institutions serving households (NGO)	63	0.11
MS1.2.1	Employees Provident Fund (EPF)	58	0.10
MS9	Rest of the world (ROW)	5	0.01
Total		57,361	100

SOURCES OF FINANCING Public Sector

*Who Pays?
Where does the money come from?*



Public Sector - General Government Health Expenditure (GGHE) as Percentage of General Government Expenditure (GGE), 1997-2017



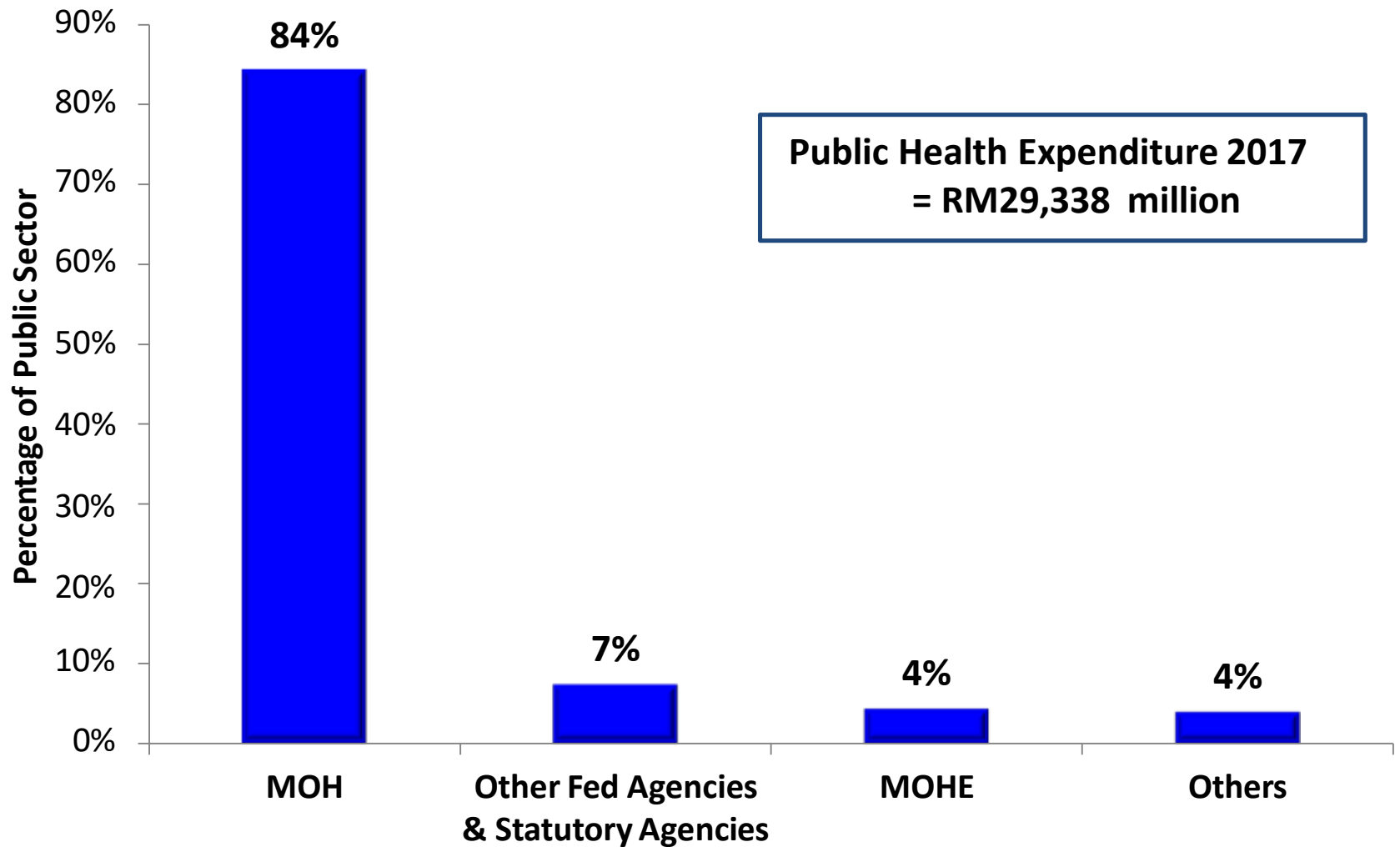
Public Sector - GGHE vs GGE*, 1997-2017

Year	GGHE (RM Million)	GGE (RM Million)*	GGHE as % GGE
1997	4,360	90,131	4.84
1998	4,745	97,040	4.89
1999	5,233	102,320	5.11
2000	6,247	114,884	5.44
2001	7,324	130,690	5.60
2002	7,854	144,278	5.44
2003	10,372	166,948	6.21
2004	10,550	157,742	6.69
2005	9,706	172,681	5.62
2006	12,617	204,255	6.18
2007	13,791	231,359	5.96
2008	15,767	289,394	5.45
2009	17,681	282,794	6.25
2010	19,313	270,171	7.15
2011	20,233	297,382	6.80
2012	22,064	365,600	6.04
2013	22,853	376,374	6.07
2014	25,973	405,788	6.40
2015	26,984	383,727	7.03
2016	26,676	381,366	6.99
2017	29,338	399,699	7.34

Source: *Treasury Malaysia website Economy Report
2017/2018 dated 25/5/2018

Seksyen MNHA, Bahagian Perancangan - 2018

Health Expenditure by **Public** Sources of Financing, **2017** (Percentage)



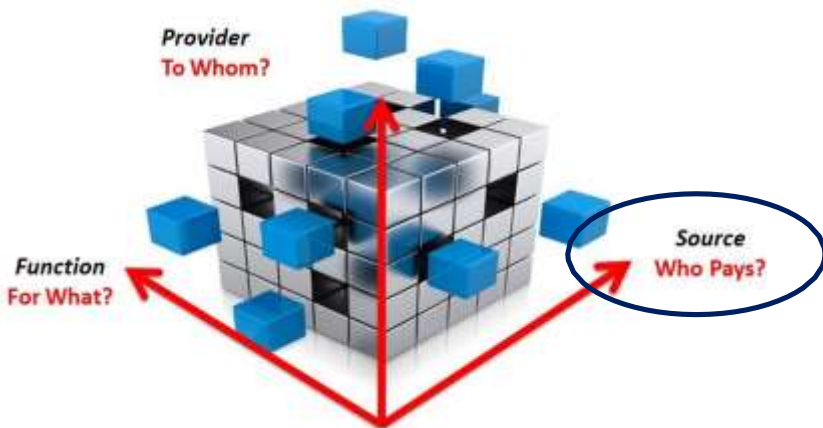
Health Expenditure by **Public Sector** Sources of Financing, **2017** (RM Million)

Sources of Financing	RM Million	Per cent
Ministry of Health (MOH)	24,715	84%
Other federal agencies (including statutory bodies)	2,178	7%
Ministry of Higher Education (MOHE)	1,283	4%
Other state agencies (including statutory bodies)	405	1%
Social Security Organization (SOCSSO)	329	1%
Local authorities (LA)	139	< 1%
Ministry of Defence (MOD)	132	< 1%
(General) State government	99	< 1%
Employees Provident Fund (EPF)	58	< 1%
Total	29,338	100%

SOURCES OF FINANCING

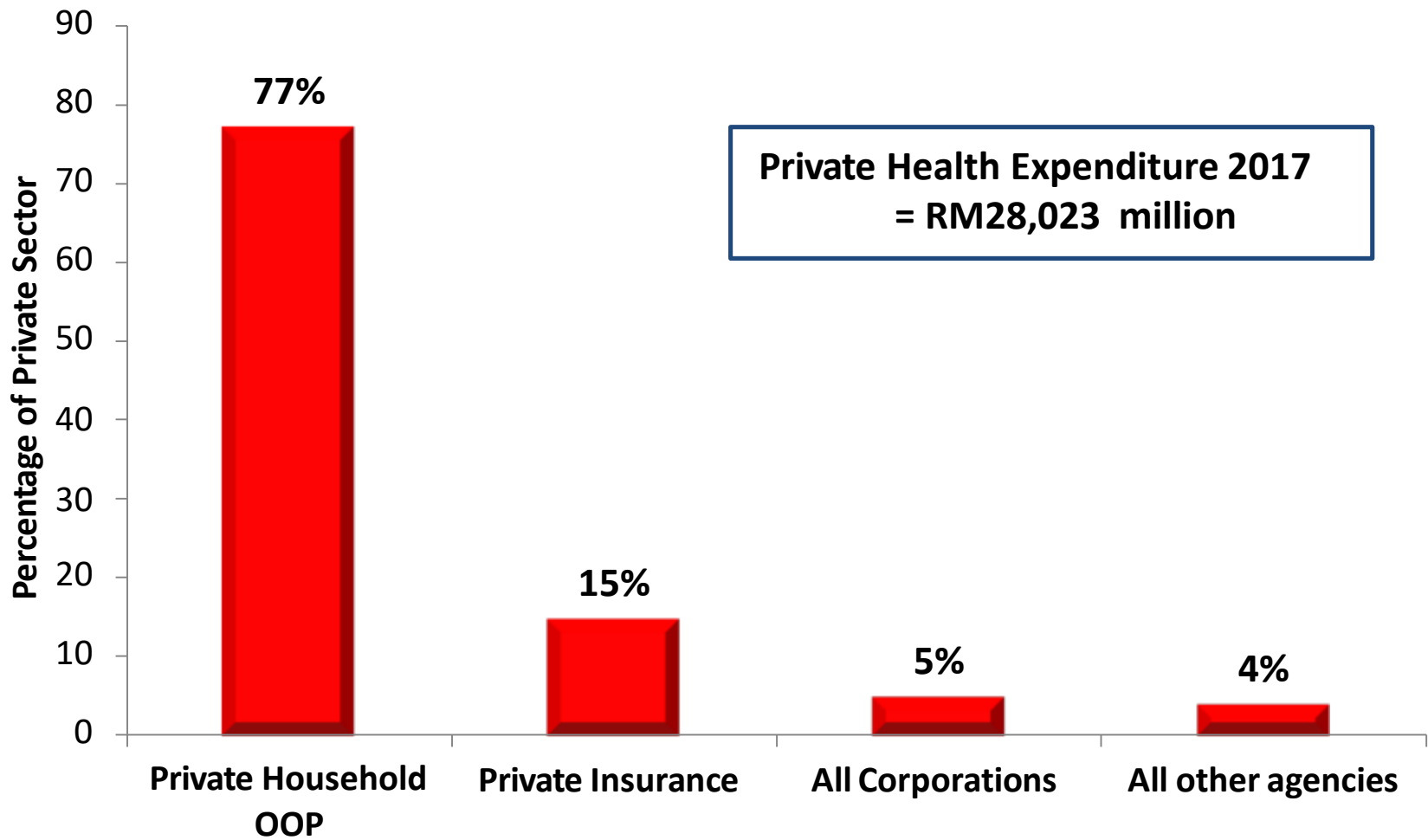
Private Sector

Who Pays?
Where does the money come from?



Seksyen MNHA, Bahagian Perancangan - 2018

Health Expenditure by **Private** Sources of Financing, **2017** (Percentage)



Health Expenditure by **Private** Sources of Financing, **2017**

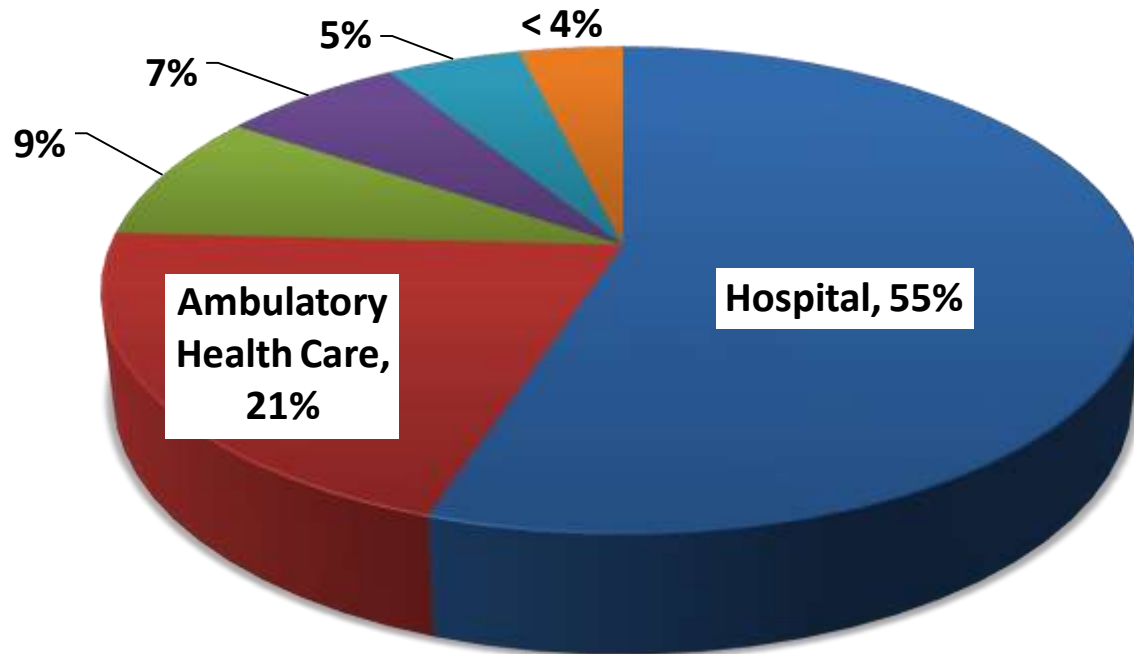
Sources of Financing	RM Million	Per cent
Private household out-of-pocket expenditure (OOP)	21,573	77%
Private insurance enterprises (other than social insurance)	4,085	15%
All corporations (other than health insurance)	1,313	5%
Private MCOs and other similar entities	984	4%
Non-profit institutions serving households (NGO)	63	<1%
Rest of the world (ROW)	5	<1%
Total	28,023	100%

PROVIDERS OF HEALTHCARE

*Where is the money spent?
Who provide the services?*



Total Expenditure on Health to **Providers** of Health Care, 2017



TEH = RM57,361 million

Expenditure at **Hospitals & Ambulatory** health care providers account for **76%** of TEH

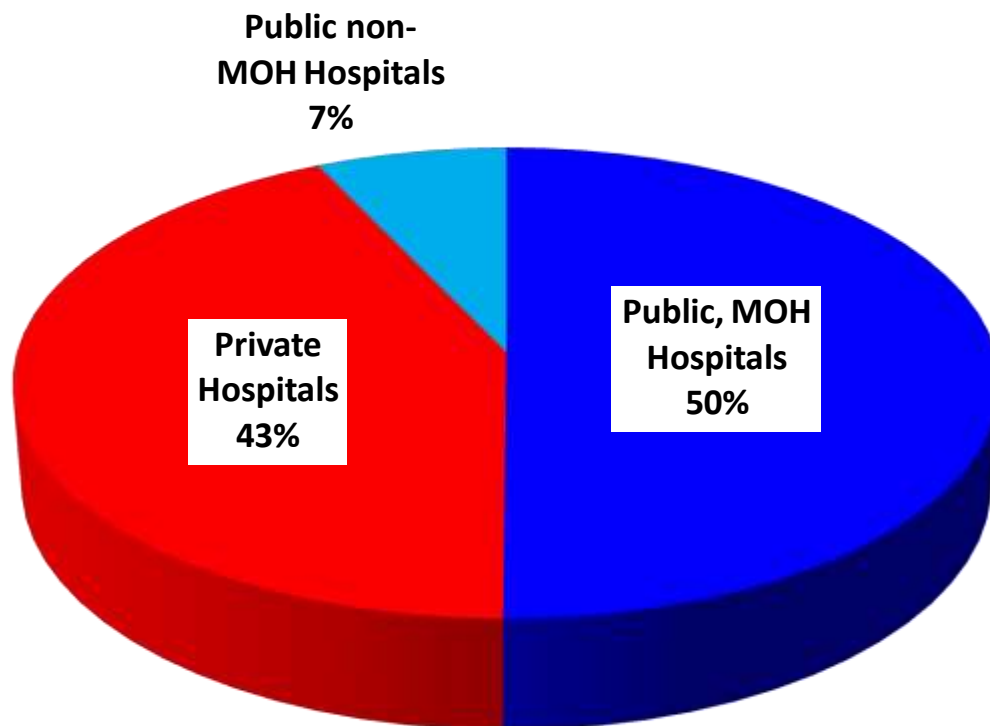
- Hospitals
- Ambulatory health care
- General health administration and insurance
- Medical goods
- Institutions
- All other providers

Total Expenditure on Health to **Providers** of Health Care, 2017

MNHA Code	Providers of Health Care	RM Million	Per cent
MP1	All hospitals	31,595	55%
MP3	Providers of ambulatory health care	11,901	21%
MP6	General health administration and insurance	4,905	9%
MP4	Retail sale and other providers of medical goods	3,888	7%
MP8	Institutions providing health-related services	2,859	5%
MP5	Rest of the world (ROW)	1,582	3%
MP7	Other industries (rest of the Malaysian economy)	618	1%
MP9	Provision and administration of public health programmes	11	<1%
MP2	Nursing and residential care facilities	2	<1%
Total		57,361	100%

Expenditure on Health to **Hospitals**, 2017

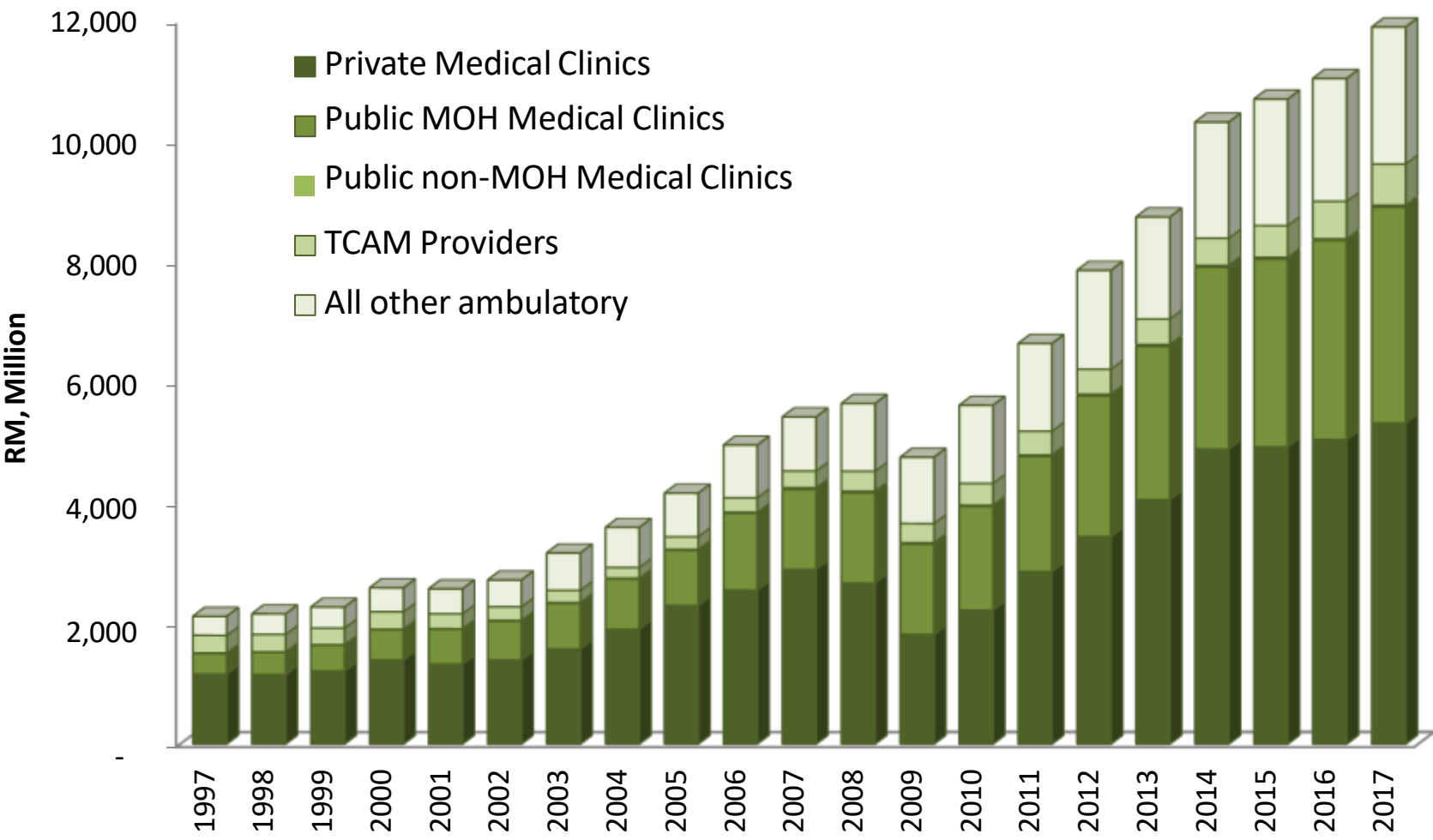
TEH = RM57,361 million



Hospital	RM Million
Public MOH Hospitals	15,827
Public Non-MOH Hospitals	2,245
Private Hospitals	13,523
TOTAL	31,595 (55% TEH)



Expenditure on Health to **Ambulatory** Health Care Providers, 1997-2017, RM Million

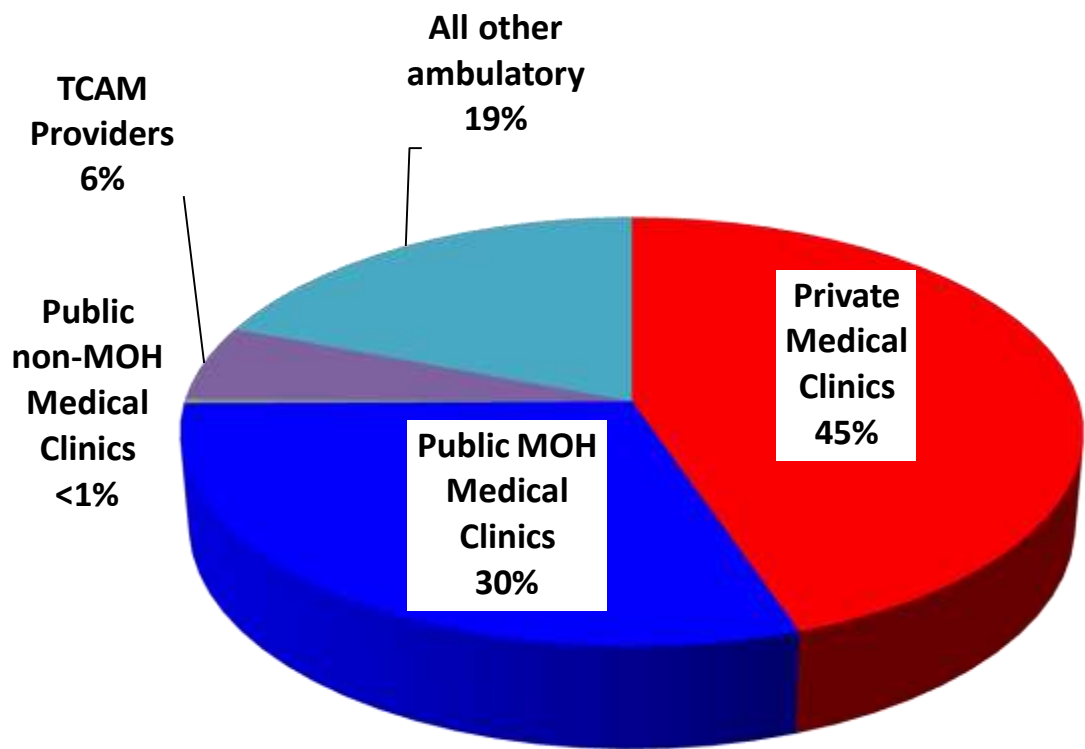


Expenditure on Health to **Ambulatory** Health Care Providers, 1997-2017, RM Million

Year	Private Medical Clinics	Public MOH Medical Clinics	Public non-MOH Medical Clinics	TCAM Providers	All other Ambulatory	Total
1997	1,157	343	7	294	315	2,117
1998	1,150	368	8	292	340	2,158
1999	1,208	430	8	277	346	2,270
2000	1,392	502	9	289	399	2,592
2001	1,323	578	10	247	415	2,574
2002	1,390	647	12	227	445	2,720
2003	1,573	761	14	202	619	3,169
2004	1,903	835	13	176	667	3,594
2005	2,298	917	15	210	723	4,162
2006	2,551	1,276	17	240	877	4,961
2007	2,896	1,327	30	277	898	5,428
2008	2,667	1,500	27	333	1,123	5,651
2009	1,816	1,501	23	319	1,100	4,759
2010	2,219	1,721	23	361	1,296	5,620
2011	2,861	1,912	24	394	1,455	6,646
2012	3,441	2,337	29	412	1,644	7,863
2013	4,055	2,546	30	424	1,692	8,747
2014	4,894	3,019	31	452	1,926	10,322
2015	4,931	3,116	29	529	2,099	10,704
2016	5,051	3,307	27	622	2,040	11,047
2017	5,326	3,587	29	684	2,276	11,901

Expenditure on Health to **Ambulatory** Health Care Providers, 2017

TEH = RM57,361 million

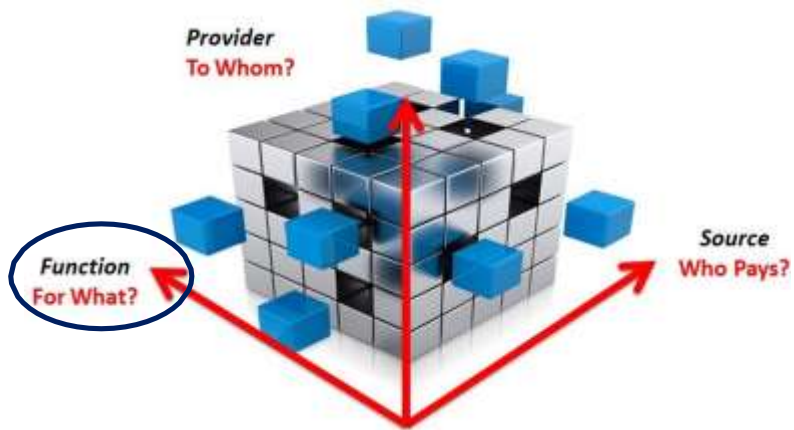


Ambulatory Health Care Providers	RM Million
Private Medical Clinics	5,326
Public MOH Medical Clinics	3,587
Public non-MOH Medical Clinics	29
TCAM Providers	684
All other ambulatory	2,276
Total	11,901 21%TEH



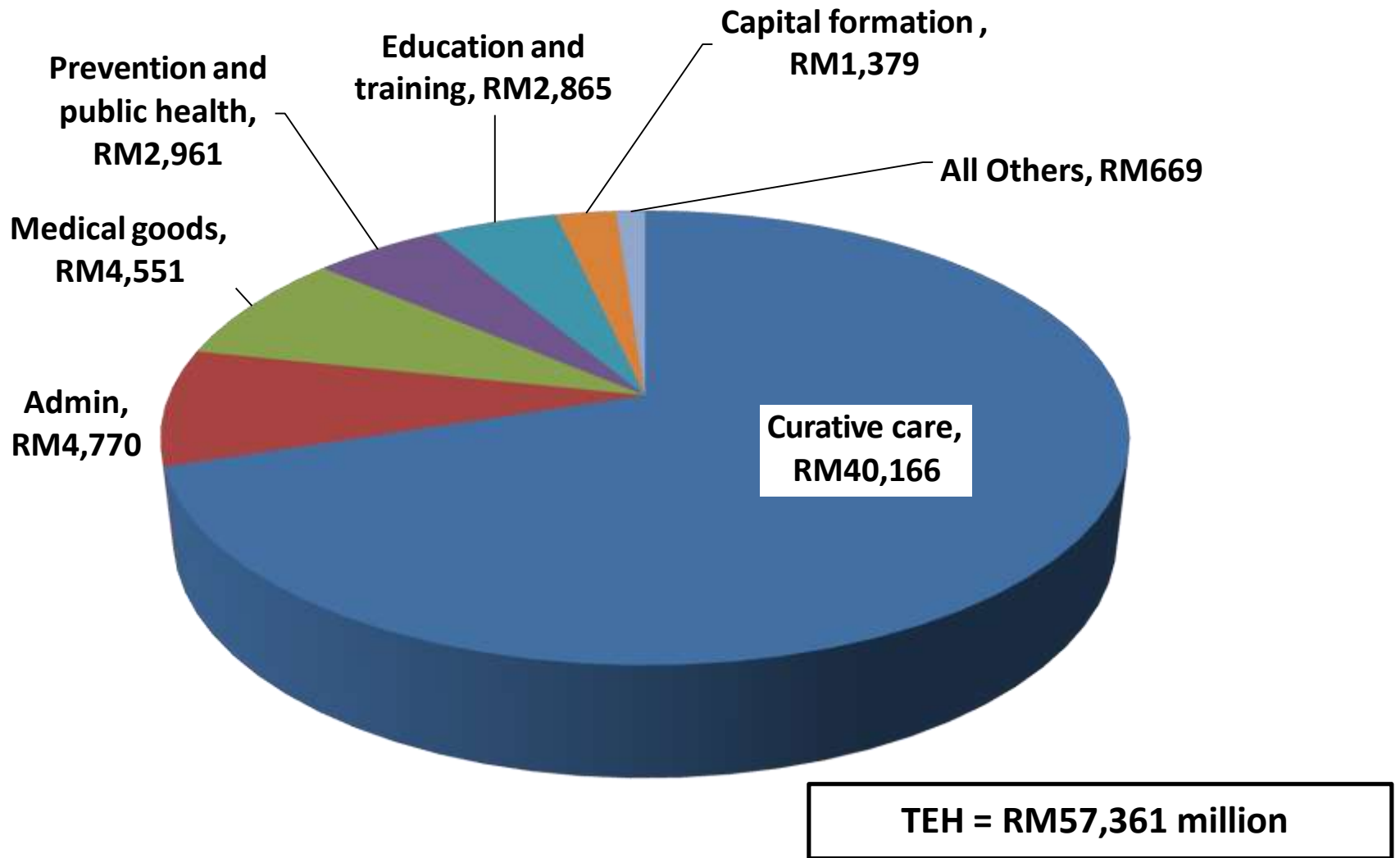
FUNCTIONS OF HEALTHCARE

What is the money used for?



Seksyen MNHA, Bahagian Perancangan - 2018

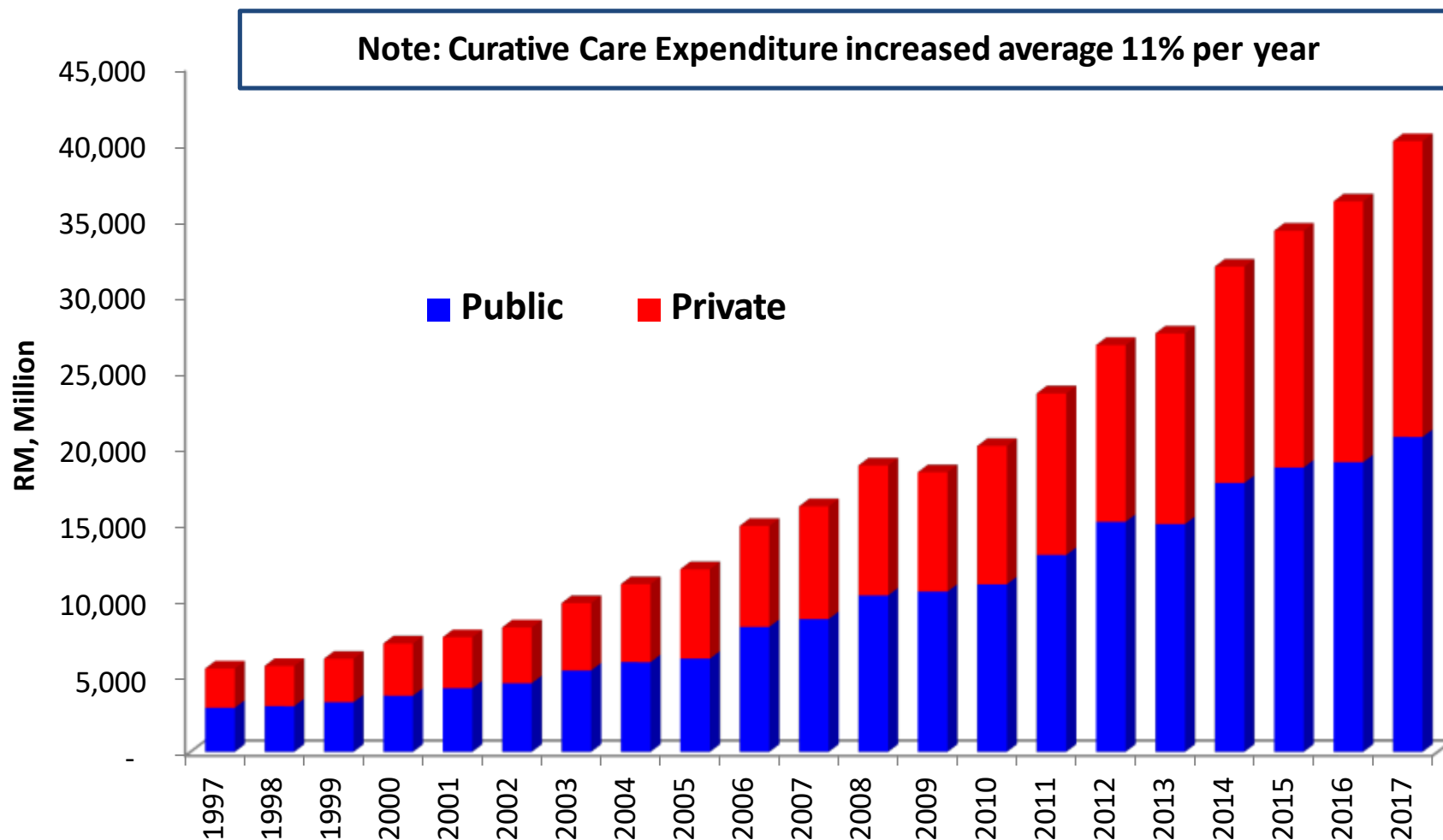
Total Expenditure on Health by **Functions** of Health Care, 2017



Total Expenditure on Health by **Functions** of Health Care, 2017

MNHA code	Functions of Health services	RM Million	Per cent, %
MF1	Services of curative care	40,166	70.02
MF7	Health program administration and health insurance	4,770	8.32
MF5	Medical goods dispensed to out-patients	4,551	7.93
MF6	Prevention and public health services	2,961	5.16
MR2	Education and training of health personnel	2,865	5.00
MR1	Capital formation of health care provider institutions	1,379	2.40
MR3	Research & Development in Health	338	<1
MF4	Ancillary services to health care	330	<1
MF3	Services of long-term nursing care	1	<1
Total		57,361	100.00

Curative Care Expenditure by Sources of Financing 1997-2017, RM Million

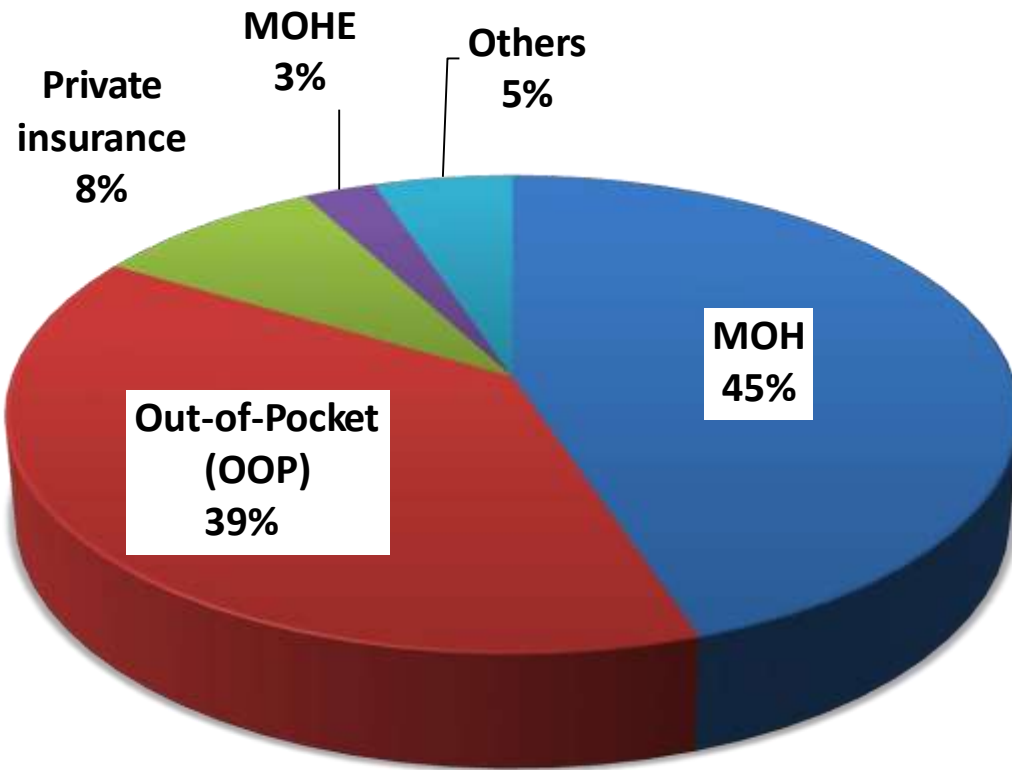


Curative Care Expenditure by Sources of Financing 1997-2017, RM Million

Sources of Financing (RM, Million)		
Year	Public	Private
1997	2,902	2,584
1998	3,009	2,644
1999	3,269	2,860
2000	3,697	3,436
2001	4,190	3,355
2002	4,521	3,668
2003	5,360	4,427
2004	5,903	5,132
2005	6,134	5,882
2006	8,225	6,638
2007	8,737	7,416
2008	10,291	8,551
2009	10,544	7,852
2010	11,026	9,094
2011	12,951	10,627
2012	15,135	11,620
2013	14,985	12,541
2014	17,692	14,228
2015	18,710	15,567
2016	19,054	17,151
2017	20,713	19,453

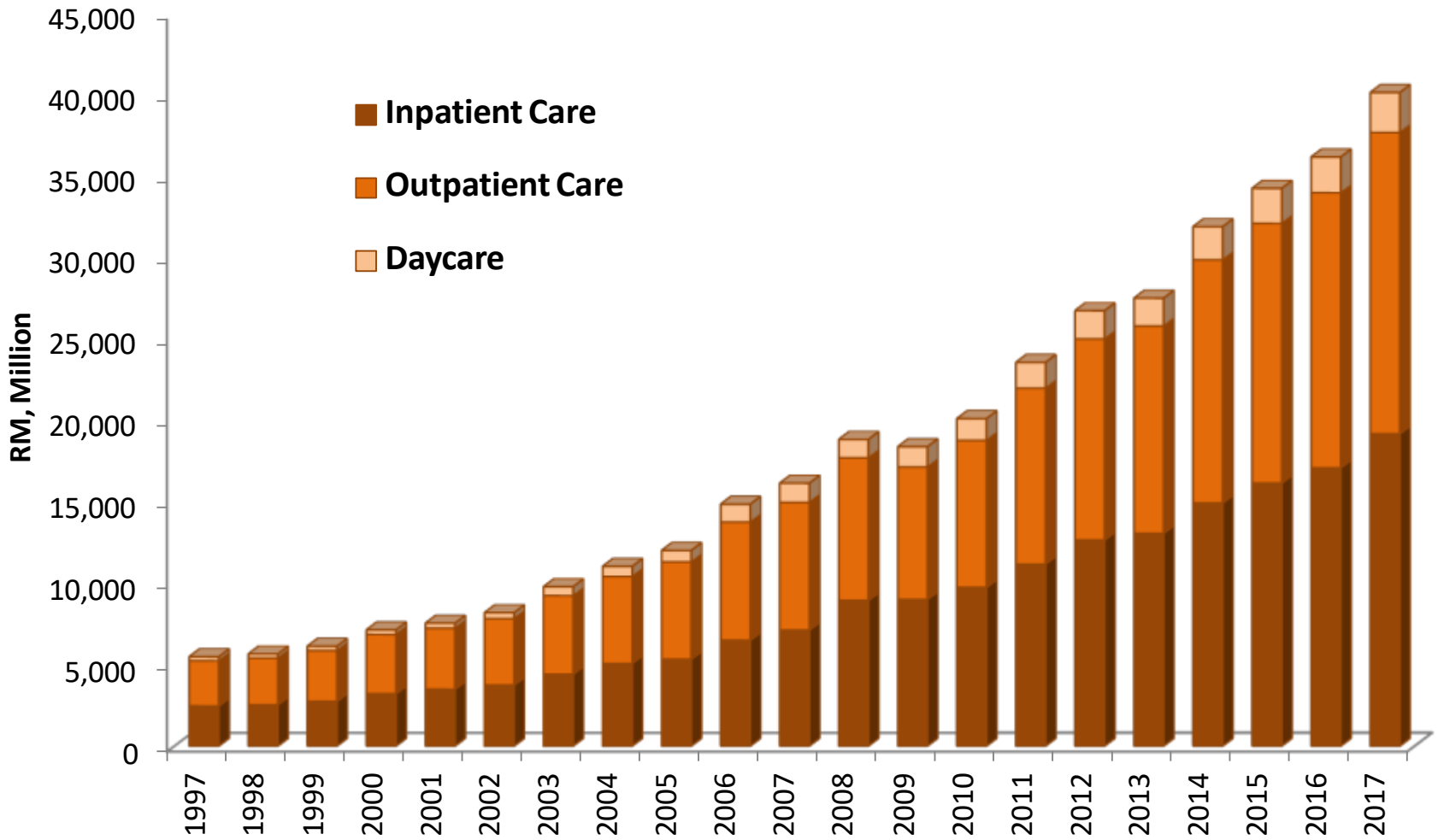
Seksyen MNHA, Bahagian Perancangan - 2018

Curative Care by Source of Financing , 2017



Functions of Health Care Services	RM Million
Ministry of Health (MOH)	18,013
Out-of-pocket expenditures (OOP)	15,559
Private insurance	3,455
Ministry of Higher Education (MOHE)	1,073
Others	2,067
Total	40,166 70% TEH

Curative Care Health Expenditure, 1997-2017 (RM, Million)



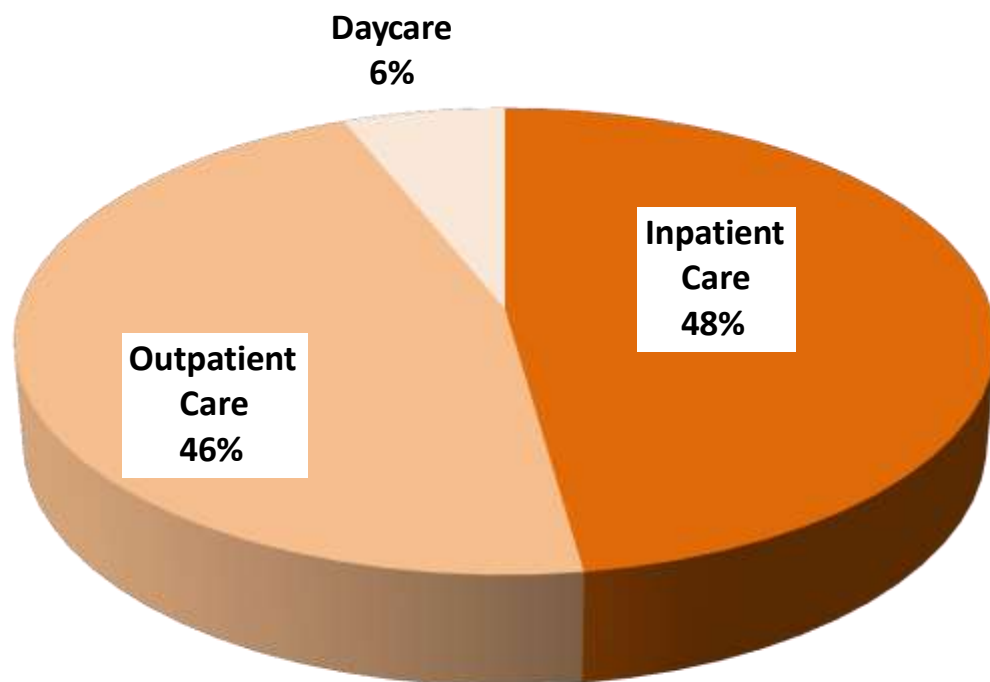
Seksyen MNHA, Bahagian Perancangan - 2018

Curative Care Health Expenditure, 1997-2017 (RM, Million)

Year	Inpatient Care	Outpatient Care	Day care	Total
1997	2,457	2,778	251	5,486
1998	2,529	2,872	253	5,653
1999	2,739	3,117	273	6,129
2000	3,209	3,640	284	7,133
2001	3,481	3,758	307	7,546
2002	3,738	4,090	361	8,189
2003	4,406	4,830	551	9,787
2004	5,068	5,349	618	11,035
2005	5,326	5,981	709	12,016
2006	6,497	7,261	1,105	14,863
2007	7,126	7,850	1,177	16,153
2008	8,947	8,765	1,130	18,842
2009	9,005	8,139	1,253	18,396
2010	9,743	9,045	1,332	20,120
2011	11,178	10,815	1,584	23,577
2012	12,661	12,360	1,734	26,755
2013	13,066	12,747	1,712	27,525
2014	14,935	14,947	2,038	31,920
2015	16,155	15,966	2,156	34,277
2016	17,096	16,906	2,203	36,204
2017	19,186	18,525	2,456	40,166

Seksyen MNHA, Bahagian Perancangan - 2018

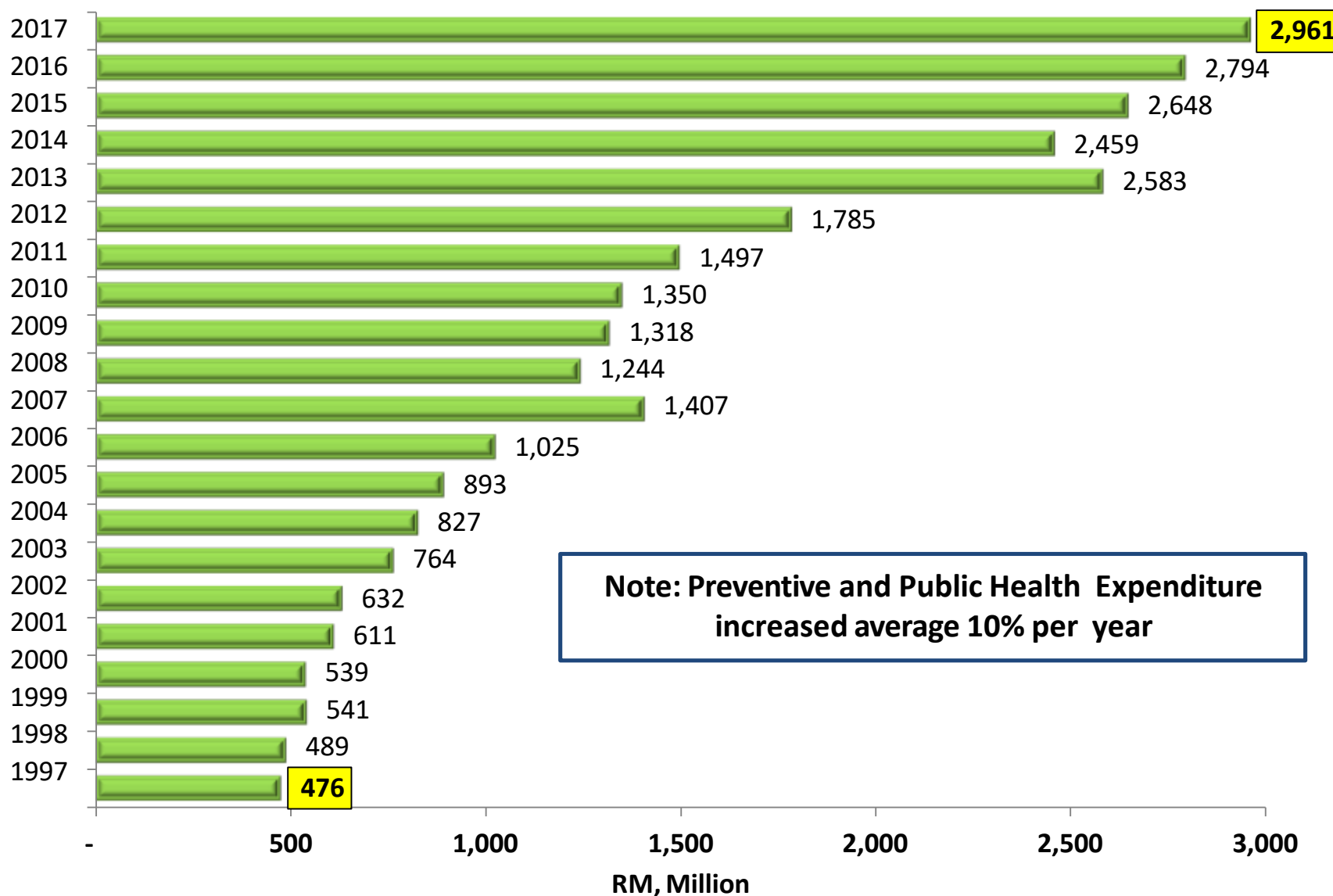
Curative Care Health Expenditure, 2017 (RM Million)



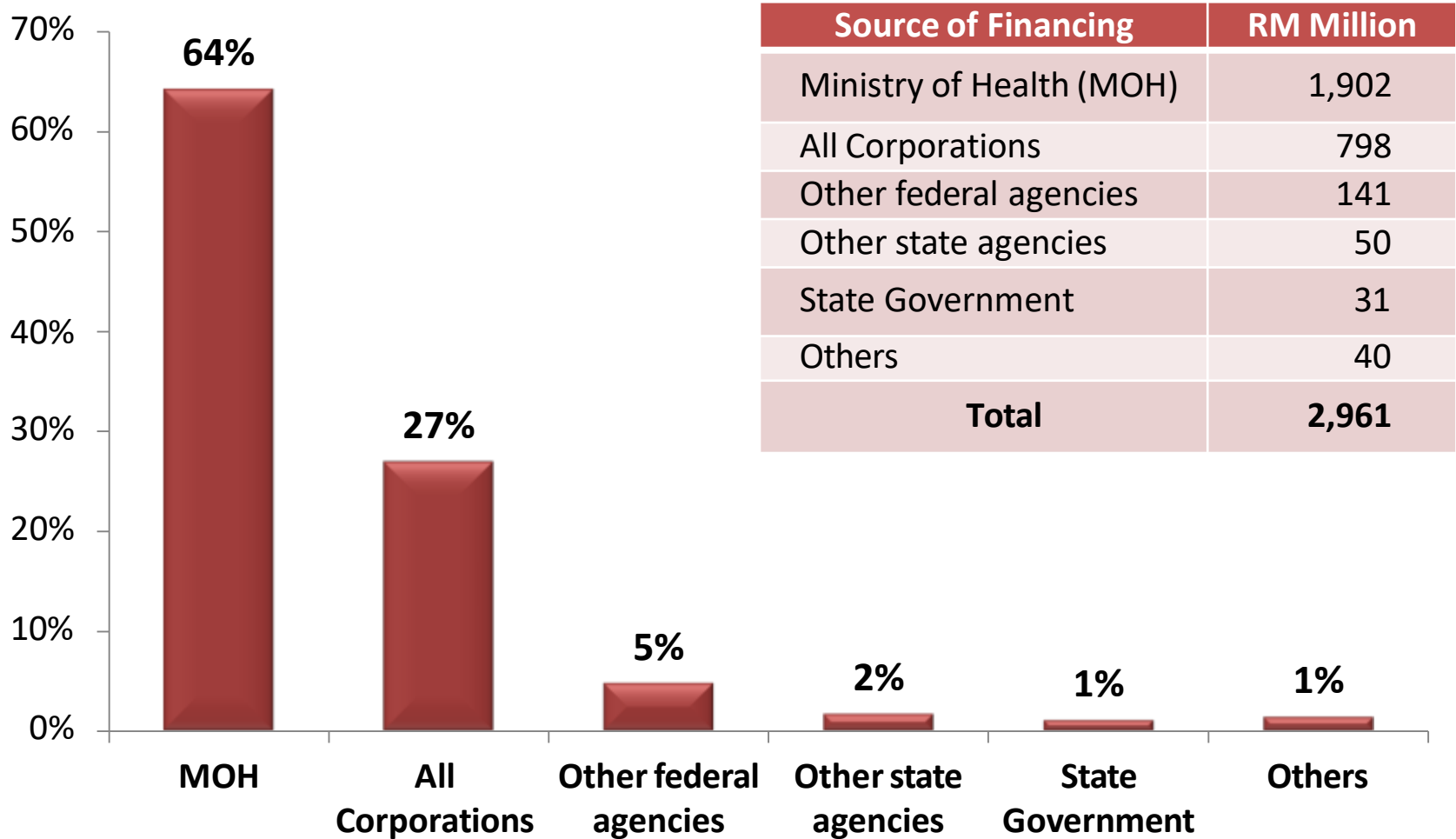
Services of Curative Care	RM Million
Inpatient Care	19,186
Outpatient Care*	18,525
Daycare	2,456
Total	40,166 70%TEH

*Note: *Outpatient care includes both at hospitals and standalone clinics & includes specialists and non-specialist care*

Total Expenditure on Health for **Prevention & Public Health** Functions of Health Care, 1997-2017 (RM, Million)



Total Expenditure on Health for **Prevention & Public Health Functions** of Health Care by Source of Financing, 2017 ⁴



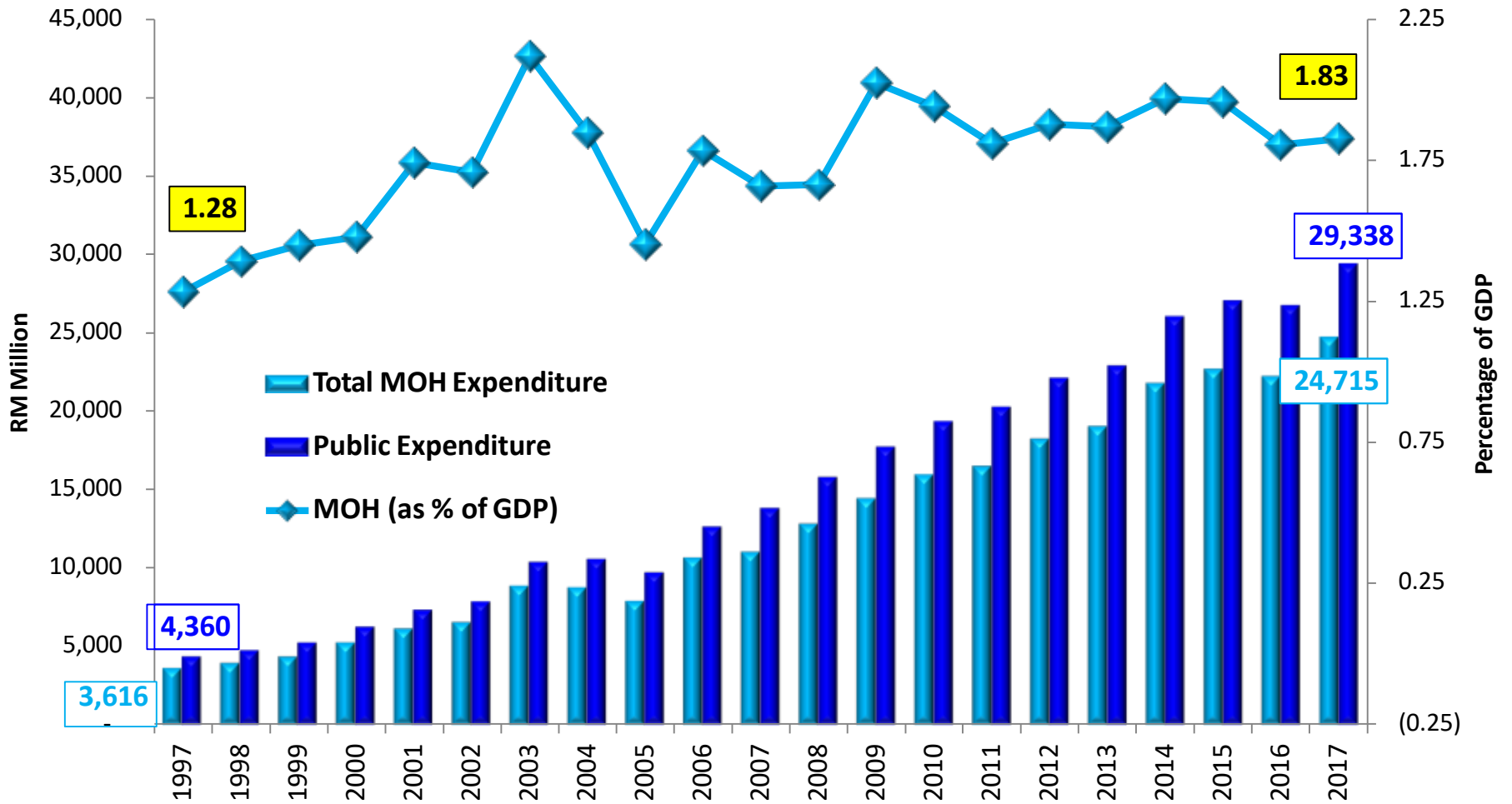
MINISTRY OF HEALTH (MOH)



Seksyen MNHA, Bahagian Perancangan - 2018

MOH Expenditure as Percentage of GDP and Public Sector Expenditure 1997-2017

Note: MOH Percentage of Public Sector Expenditure 1997-2017 = 80%- 84%

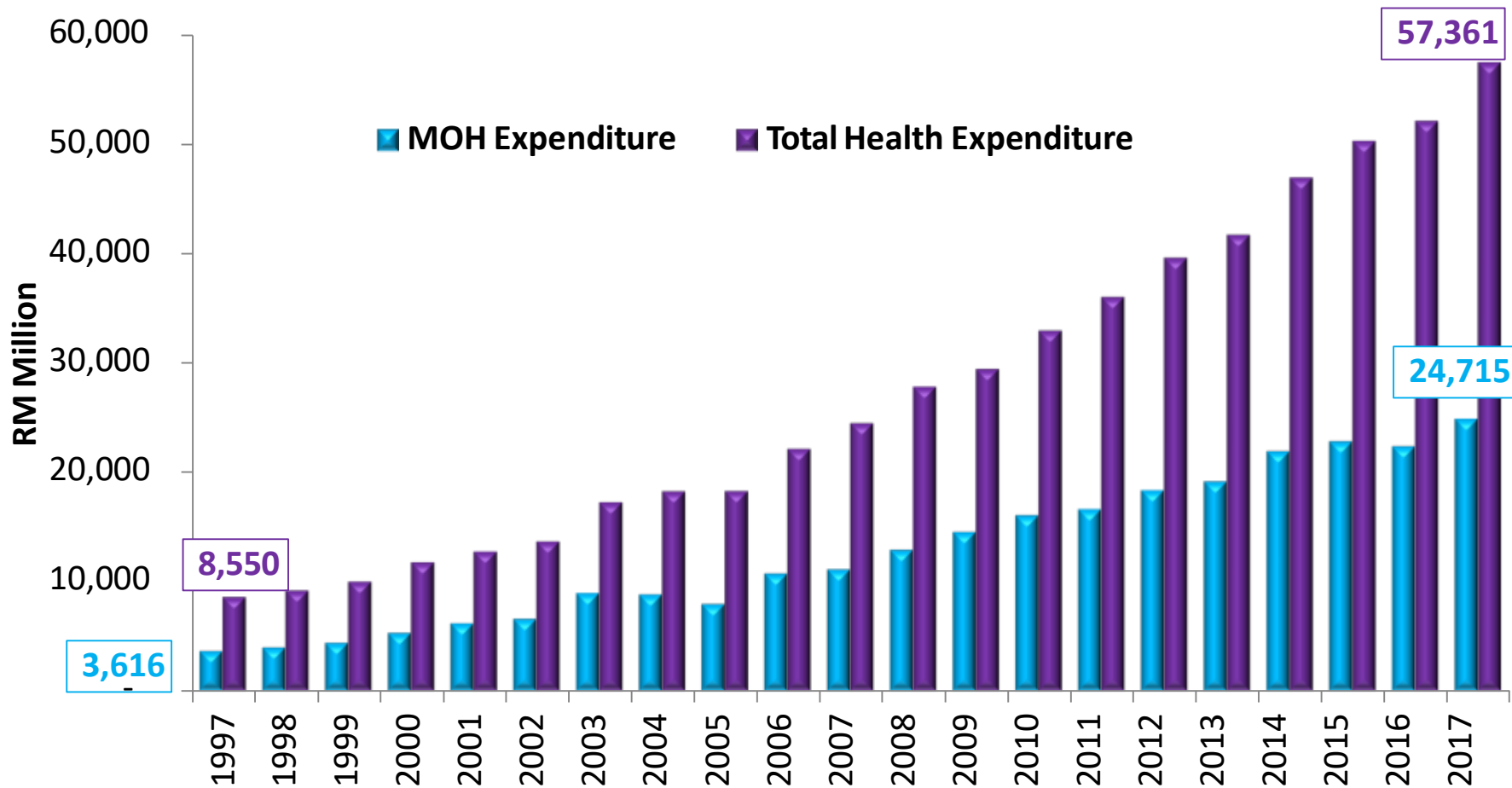


MOH Expenditure as Percentage of GDP and Public Sector Expenditure 1997-2017

Year	Total MOH Expenditure, RM Million	Other Public Expenditure, RM Million	Public Expenditure, RM Million	MOH as % of GDP
1997	3,616	744	4,360	1.28
1998	3,943	802	4,745	1.39
1999	4,358	876	5,233	1.45
2000	5,266	981	6,247	1.48
2001	6,141	1,182	7,324	1.74
2002	6,545	1,309	7,854	1.71
2003	8,876	1,496	10,372	2.12
2004	8,761	1,788	10,550	1.85
2005	7,893	1,813	9,706	1.45
2006	10,655	1,963	12,617	1.79
2007	11,036	2,755	13,791	1.66
2008	12,813	2,954	15,767	1.66
2009	14,431	3,250	17,681	2.02
2010	15,945	3,368	19,313	1.94
2011	16,496	3,737	20,233	1.81
2012	18,239	3,825	22,064	1.88
2013	19,038	3,815	22,853	1.87
2014	21,782	4,191	25,973	1.97
2015	22,671	4,314	26,984	1.96
2016	22,225	4,451	26,676	1.81
2017	24,715	4,623	29,338	1.83

MOH Share of Total Expenditure on Health 1997-2017

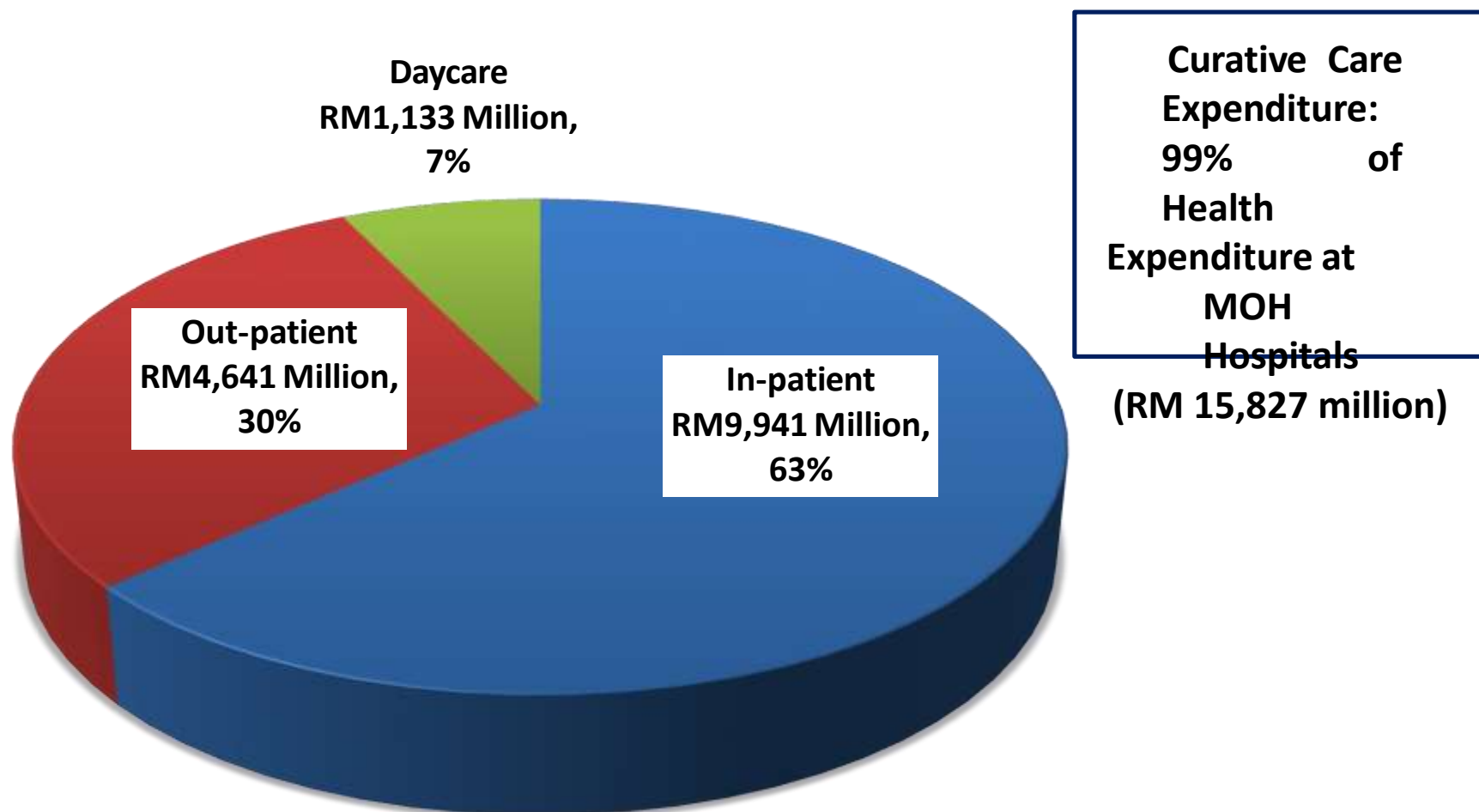
Note: MOH Expenditure as Percentage of TEH 1997-2017 = 42%-48%



MOH Share of Total Expenditure on Health 1997-2017

Year	MOH Expenditure, RM Million	Others Expenditure, RM Million	Total Health on Expenditure, RM Million
1997	3,616	4,934	8,550
1998	3,943	5,212	9,156
1999	4,358	5,596	9,953
2000	5,266	6,479	11,745
2001	6,141	6,561	12,703
2002	6,545	7,095	13,640
2003	8,876	8,327	17,203
2004	8,761	9,438	18,200
2005	7,893	10,337	18,231
2006	10,655	11,417	22,072
2007	11,036	13,379	24,414
2008	12,813	14,945	27,758
2009	14,431	14,934	29,365
2010	15,945	16,927	32,872
2011	16,496	19,441	35,937
2012	18,239	21,266	39,505
2013	19,038	22,586	41,625
2014	21,782	25,046	46,828
2015	22,671	27,505	50,176
2016	22,225	29,793	52,018
2017	24,715	32,646	57,361

Health Expenditure at MOH Hospitals by Curative Care Function of Health Care, 2017



Health Expenditure at MOH Hospitals by **Curative Care** Function of Health Care, **2017**

Health Expenditure at MOH Hospitals by Functions of Health Care, 2017				
	MNHA Code	Functions of Health Care	RM Million	Per cent
Curative Care	MF1.1	In-patient curative care	9,941	63%
	MF1.3*	Out-patient curative care	4,641	29%
	MF1.2	Day cases of curative care	1,133	7%
Non-Curative Care	Sub-total (curative care)		15,716	99%
	MR1	Capital formation of health care provider institutions	111	1%
Total			15,827	100%

Note: *Data includes home care

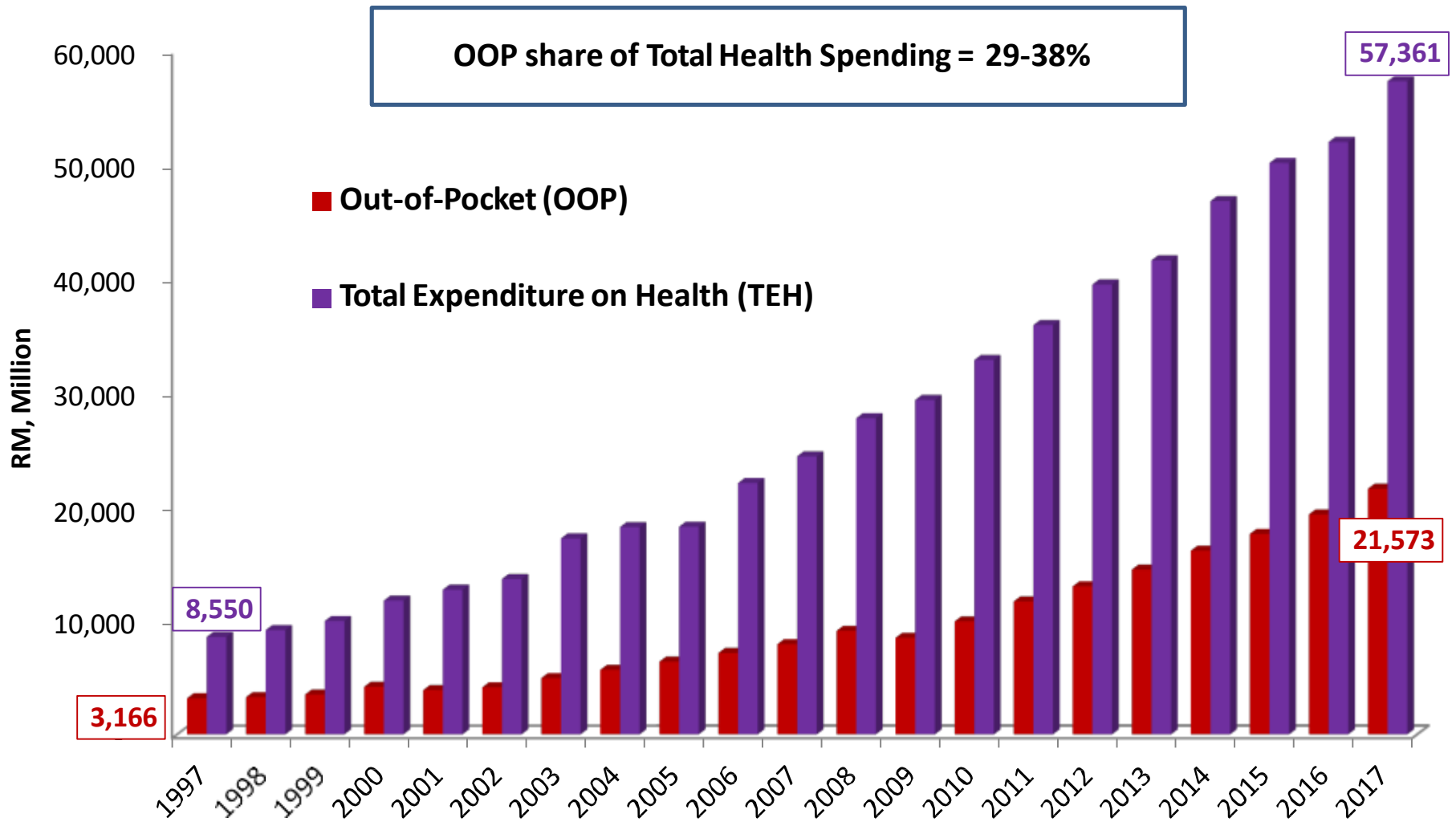
** Excludes MOH development expenditure to hospitals

OUT-OF-POCKET EXPENDITURE (OOP)



Seksyen MNHA, Bahagian Perancangan - 2018

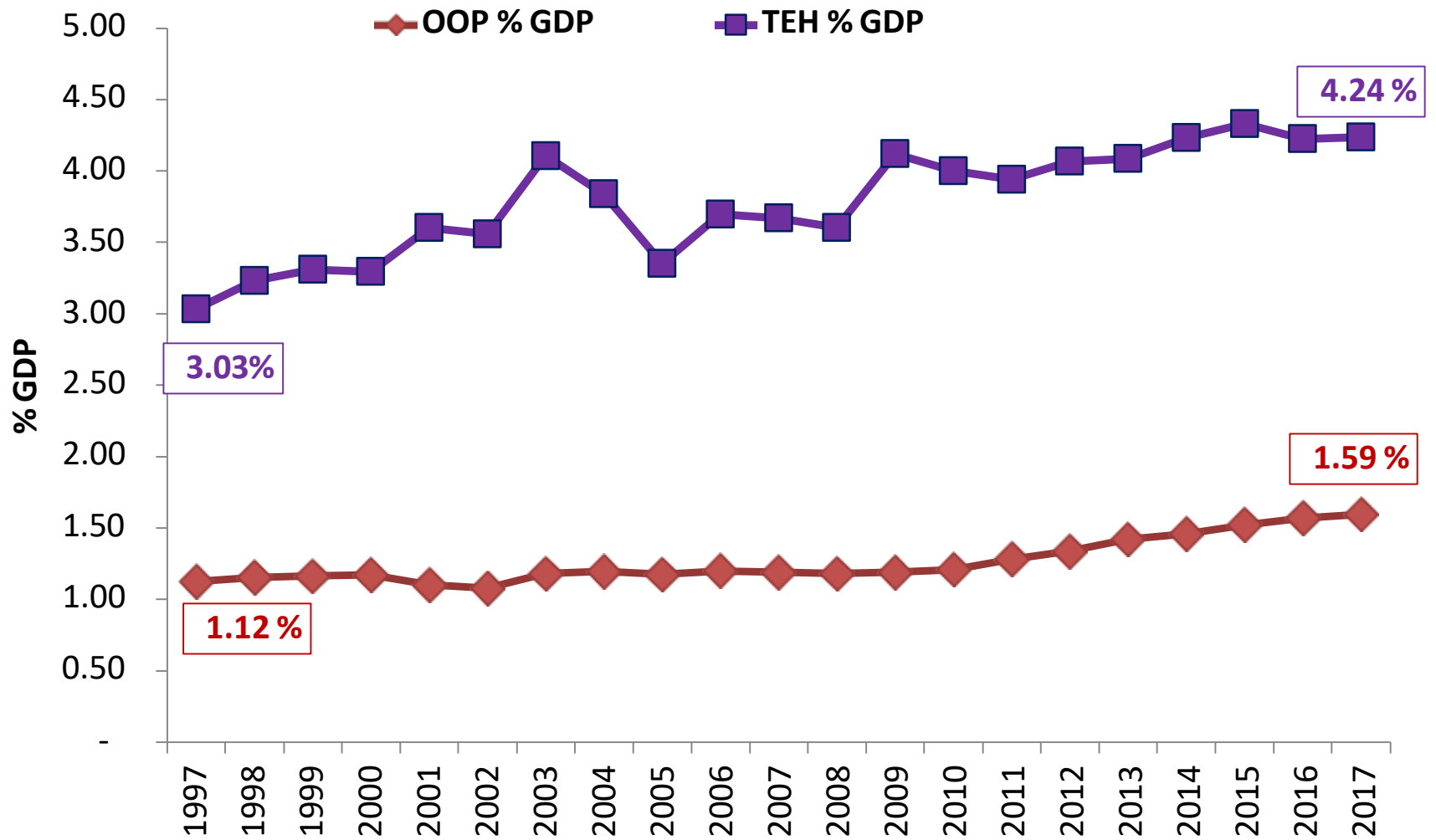
OOP share of Total Expenditure on Health, 1997-2017 (RM Million)



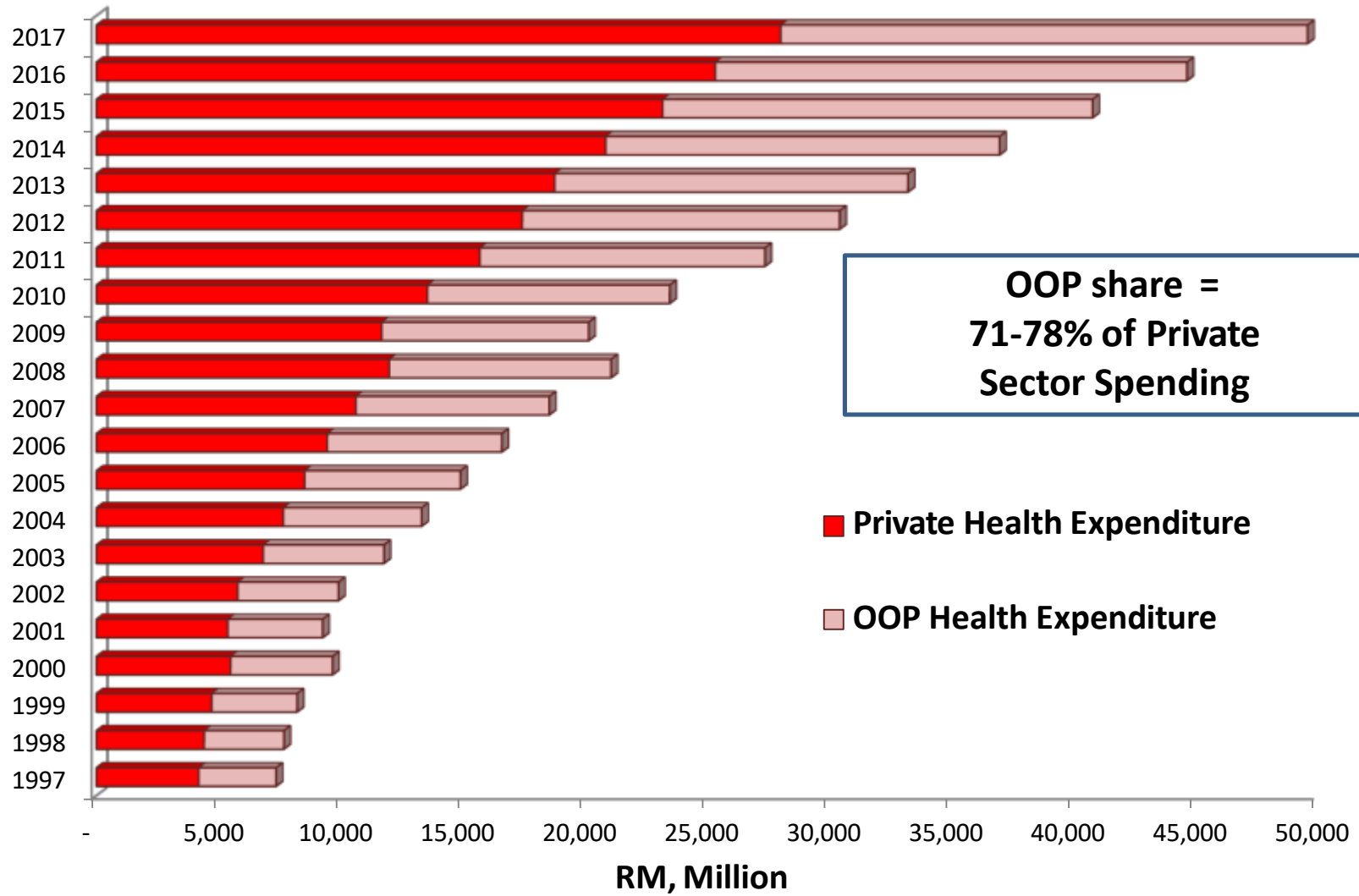
OOP share of Total Expenditure on Health, 1997-2017

Year	TEH (RM Million)	OOP (RM Million)	OOP % TEH
1997	8,550	3,166	37%
1998	9,156	3,266	36%
1999	9,953	3,497	35%
2000	11,745	4,175	36%
2001	12,703	3,882	31%
2002	13,640	4,127	30%
2003	17,203	4,941	29%
2004	18,200	5,664	31%
2005	18,231	6,382	35%
2006	22,072	7,145	32%
2007	24,414	7,921	32%
2008	27,758	9,084	33%
2009	29,365	8,478	29%
2010	32,872	9,916	30%
2011	35,937	11,669	32%
2012	39,505	12,994	33%
2013	41,625	14,462	35%
2014	46,828	16,128	34%
2015	50,176	17,602	35%
2016	52,018	19,316	37%
2017	57,361	21,573	38%

OOP and Total Expenditure on Health as Percentage of GDP, 1997-2017



OOP share of Private Expenditure, 1997-2017 (RM Million)

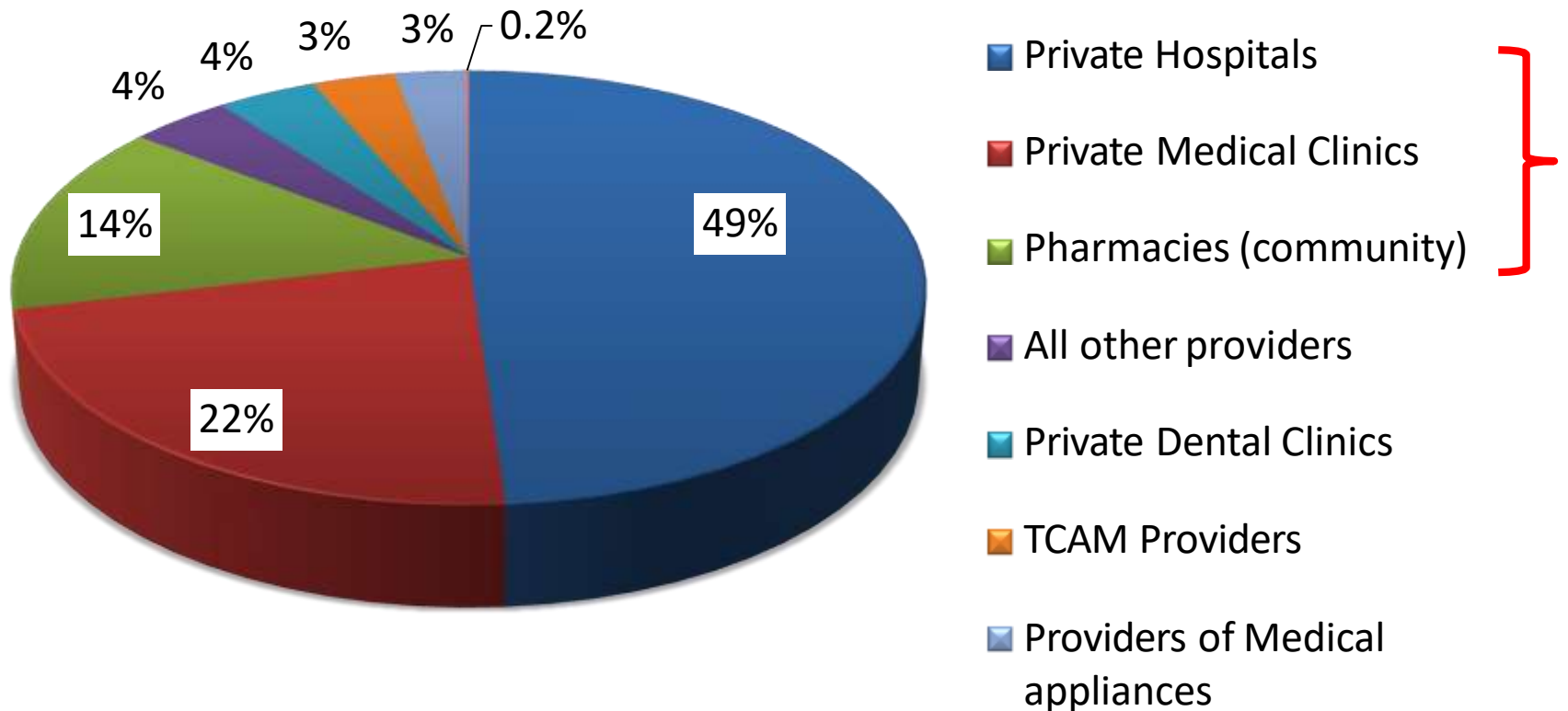


OOP share of Private Expenditure, 1997-2017

Year	Private Health Expenditure (RM Million)	OOP Health Expenditure (RM Million)	OOP Health Expenditure (RM Million)
1997	4,190	3,166	76%
1998	4,411	3,266	74%
1999	4,720	3,497	74%
2000	5,493	4,175	76%
2001	5,379	3,882	72%
2002	5,786	4,127	71%
2003	6,831	4,941	72%
2004	7,650	5,664	74%
2005	8,525	6,382	75%
2006	9,454	7,145	76%
2007	10,622	7,921	75%
2008	11,989	9,084	76%
2009	11,682	8,478	73%
2010	13,558	9,916	73%
2011	15,702	11,669	74%
2012	17,438	12,994	75%
2013	18,768	14,462	77%
2014	20,851	16,128	77%
2015	23,187	17,602	76%
2016	25,338	19,316	76%
2017	28,018	21,573	77%

OOP Expenditure at Private Facilities*, 2017

85% of OOP spending at 3 private sector providers



Note: *6% of OOP expenditure is at public sector providers (at hospitals & universities/training centers)

OOP Expenditure at Private Facilities, 2017

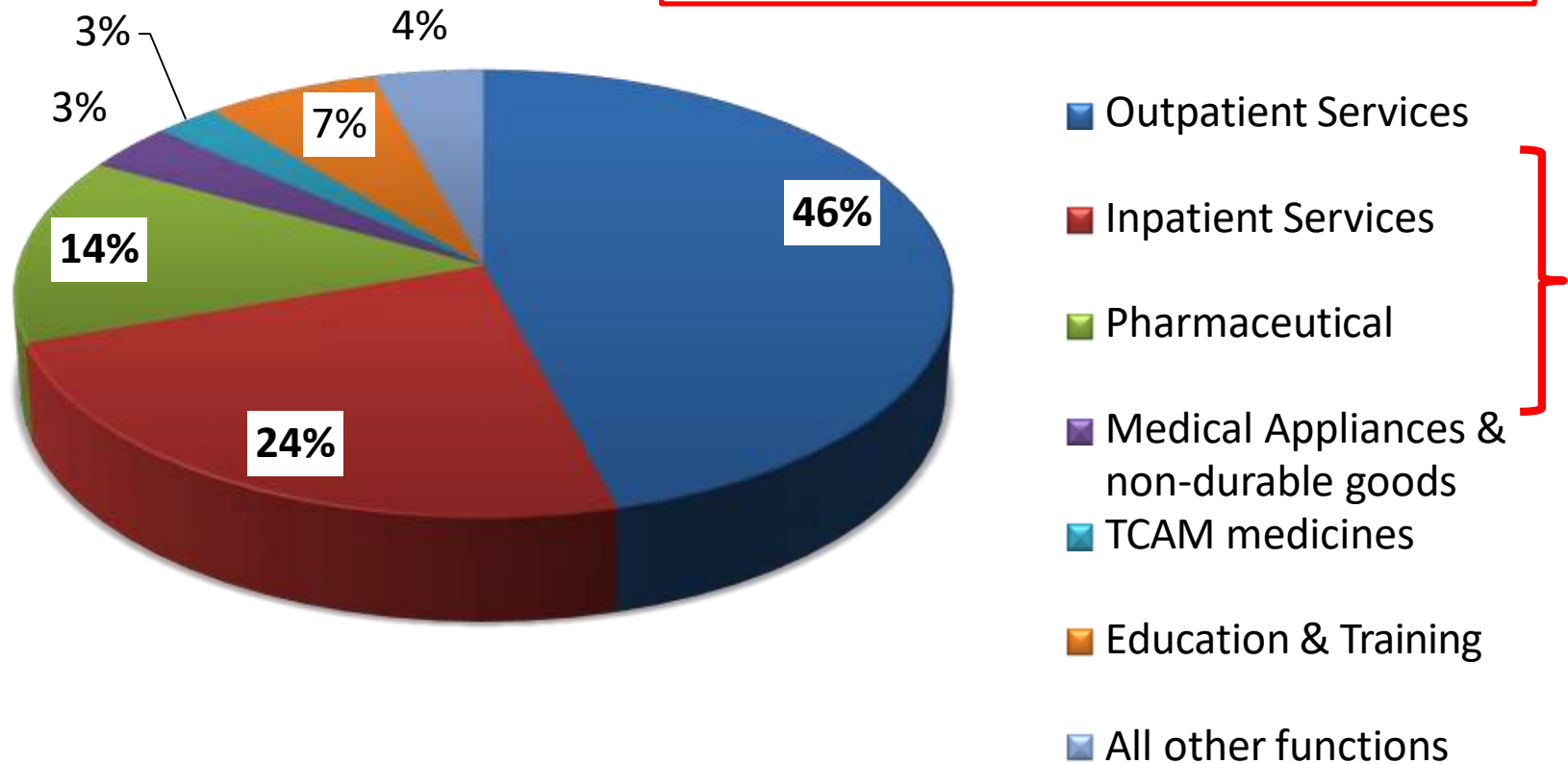
Providers of Health Services	RM (Million)	Per cent, %
Private Hospitals	9,958	49%
Private Medical Clinics	4,542	22%
Pharmacies (community)	2,923	14%
All other providers	829	4%
Private Dental Clinics	825	4%
TCAM Providers	684	3%
Providers of Medical appliances	575	3%
Private Labs	37	0.2%
Total*	20,372	100%

85% of OOP

*Note: *RM1,174 or 6% of OOP expenditure is at public sector providers (at hospitals & universities/training centers)*

OOP Expenditure for **Functions** of Health Care, 2017

**84% of OOP expenditure for 3 functions:
IP, OP & Pharmaceuticals**



OOP Expenditure for Functions of Health Care, 2017

Functions of Health Services	RM Million	Per cent
Outpatient Services (Public & Private Sector)	9,904	46%
Inpatient Services (Public & Private Sector)	5,090	24%
Pharmaceutical (community pharmacies)	2,923	14%
Medical Appliances & non-durable goods	749	3%
TCAM medicines	541	3%
Education & Training	1,443	7%
All other functions	923	4%
Total	21,573	100%

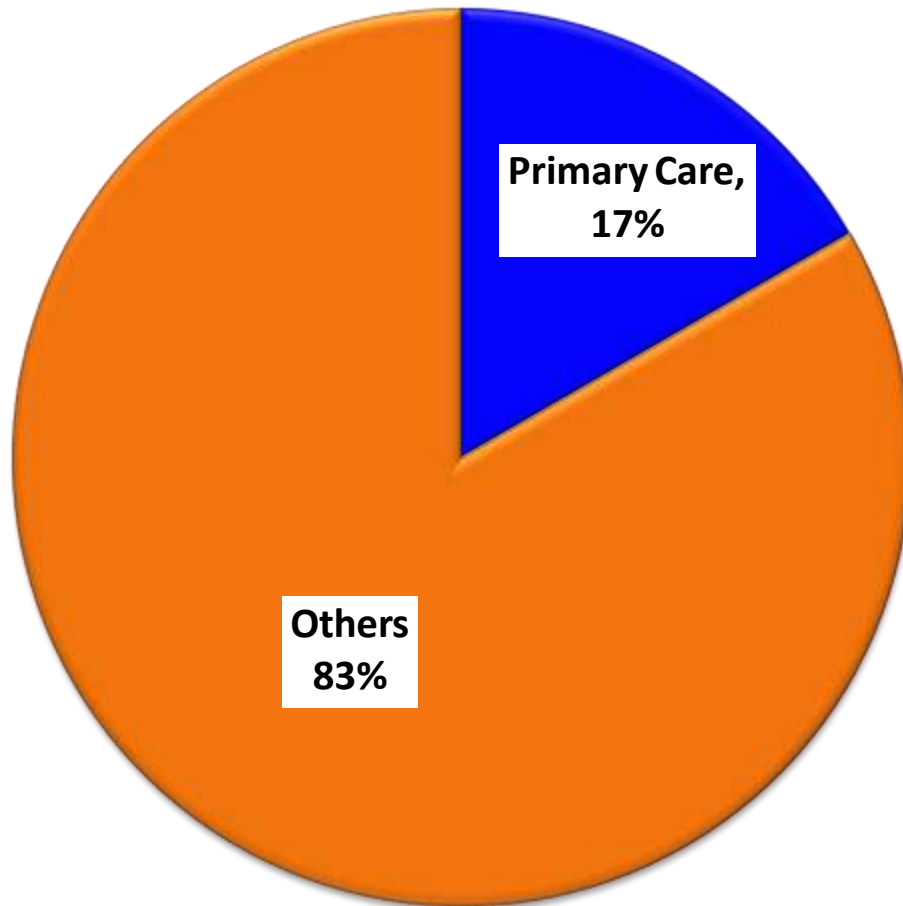
**84% of
OOP**

**PRIMARY CARE (PC)
&
PRIMARY HEALTH CARE
(PHC)**



PC & PHC Definitions & Boundaries -Function

Primary Care (PC) Expenditure, 2017 - Definition 2

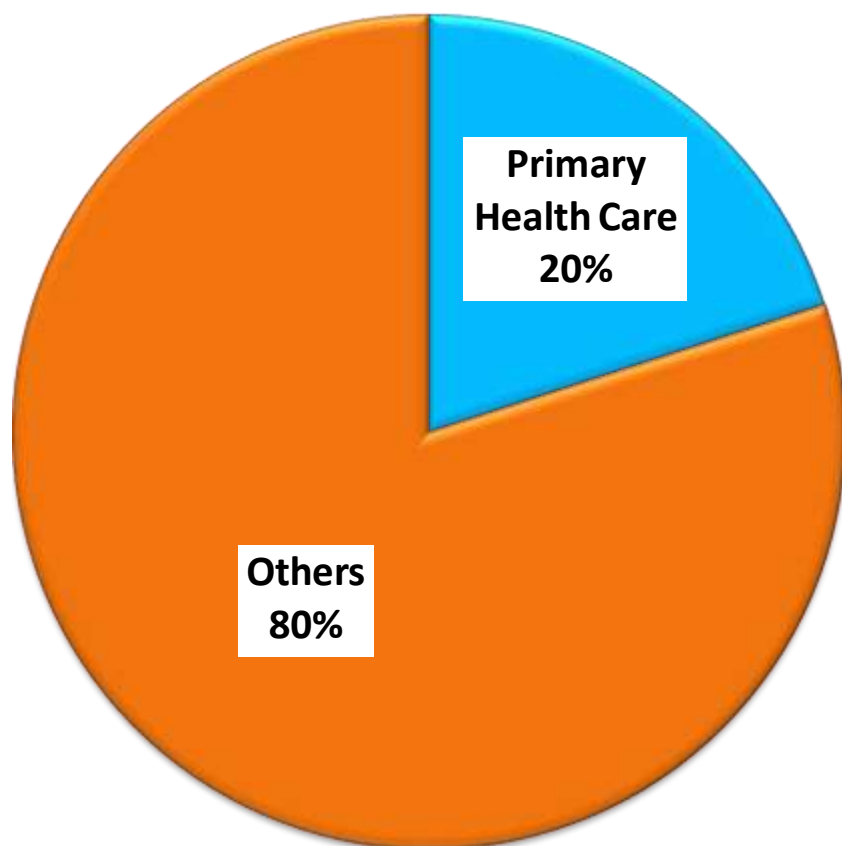


2017 (RM, Million)	
Primary Care	9,565
Others	47,796
Total Health Expenditure (TEH)	57,361

Primary Care (PC) Expenditure, 2017 - Definition 2

MNHA Code	Function of Healthcare	RM, Million
MF1.3.1	Basic medical and diagnostic services	8,539
MF6.1	Maternal and child health, family planning and counselling	898
MF6.2.1	Medical school health services	128
Total Primary Care (PC)		9,565

Primary Health Care (PHC) Expenditure 2017 - Definition 3

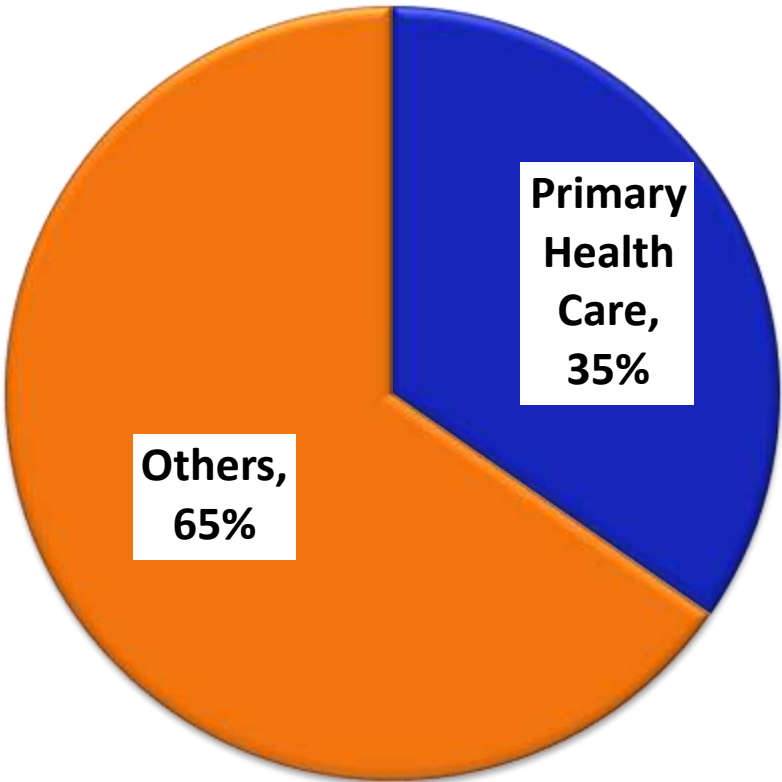


2017 (RM, Million)	
Primary Health Care	11,500
Others	45,861
Total Health Expenditure (TEH)	57,361

Primary Health Care (PHC) Expenditure 2017 - Definition 3

MNHA Code	Function of Healthcare	RM, Million
MF1.3.1	Basic medical and diagnostic services	8,539
MF6.1	Maternal and child health, family planning and counselling	914
MF6.2.1	Medical school health services	128
MF6.2.2	Dental school health services	299
MF6.3.1	CD-HIV/AIDS	56
MF6.3.2	CD-Vector-borne	237
MF6.3.9	CD-All others	130
MF6.4	NCD	101
MF6.5	Occupational health care	491
MF6.6.1	Health Education -CD	6
MF6.6.2	Health Education -NCD	9
MF6.7	Food safety & drinking water	576
MF6.9	All other PH	15
Total Primary Health Care (PHC)		11,500

Primary Health Care (PHC) Expenditure 2017 – Definition 4 (Primary Health Care Performance Indicator (PHCPI),WHO)



2017 (RM, Million)	
Primary Health Care	18,093
Others	34,111
Current Health Expenditure (CHE)	52,204

Primary Health Care (PHC) Expenditure 2017 – Definition 4 (Primary Health Care Performance Indicator (PHCPI) WHO)

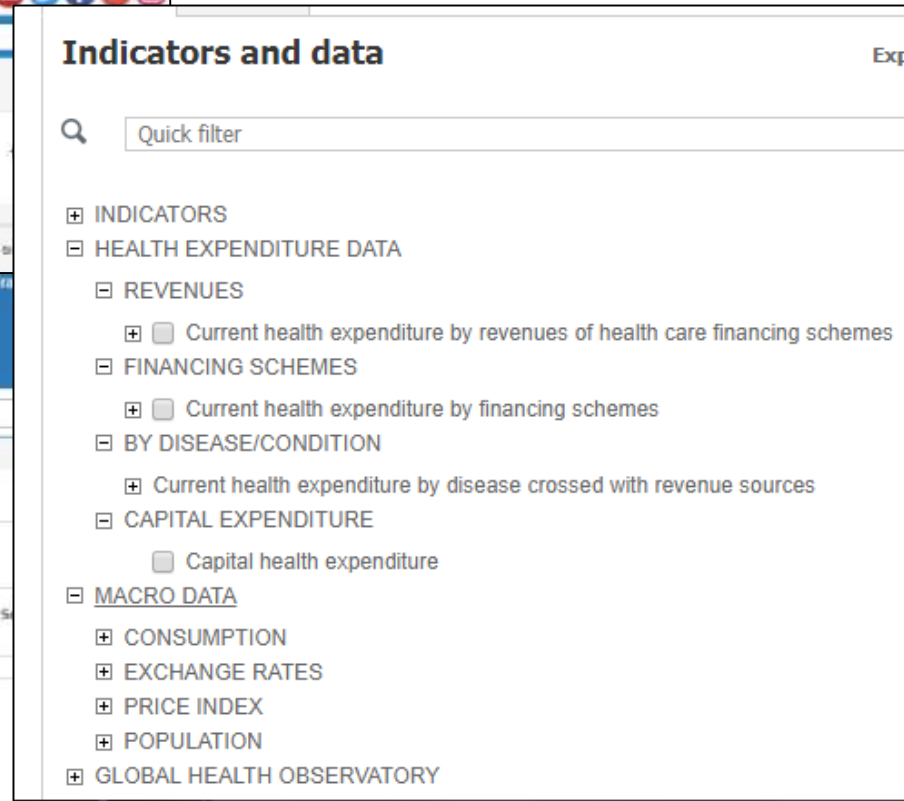
MNHA Code	Function of Healthcare	RM, Million
MF1.3.1	Basic medical and diagnostic services	10,391
MF1.3.2	Dental outpatient curative care	1,017
MF3.3	Long term nursing care: home care	1
MF5.1	Pharmaceutical and other medical non-durable	1
MF5.1.1	Prescribed medicines	2,611
MF5.1.2	OTC medicines	1,065
MF5.1.3	Other medical non-durables (wound dressings, catheters, etc)	232
MF5.2.1	Glasses & vision	386
MF5.2.3	Hearing Aids	4
MF6.1	Maternal and child health, family planning and counselling	914
MF6.2.1	Medical school health services	128
MF6.2.2	Dental school health services	299
MF6.3.1	CD-HIV/AIDS	56
MF6.3.2	CD-Vector-borne	237
MF6.3.9	CD-All others	130
MF6.4	NCD	101
MF6.5	Occupational health care	491
MF6.6.1	Health Education -CD	6
MF6.6.2	Health Education -NCD	9
MF6.9	All other PH	15
Total PHCPI		18,093

INTERNATIONAL NATIONAL HEALTH ACCOUNTS 1997-2015

International NHA Data

- WHO target was that by year 2017 all member countries report their NHA using SHA 2011 framework.
- During the MNHA Steering Committee meeting on **15 December 2015** it was agreed that Malaysia should also migrate to the new SHA 2011 framework and also continue to report national health expenditure using MNHA framework
- On 13th Dec 2017 WHO uploaded NHA data for years 2000-2015 using SHA 2011 framework whereby WHO did their own estimations for countries which have not fully migrated to the new framework

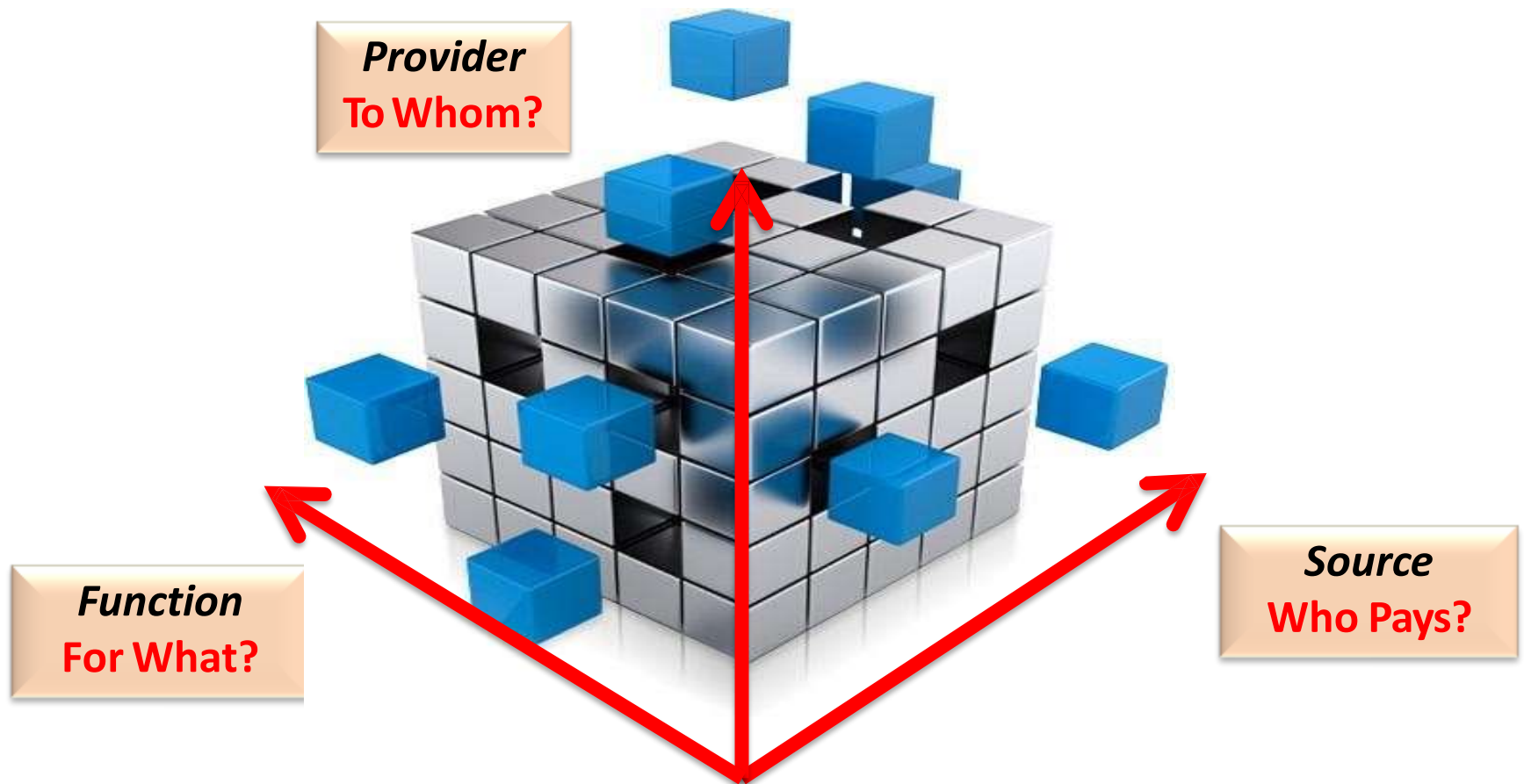
WHO-National Health Accounts (NHA) (GHED)*



- *Ref: http://www.who.int/health_financing/topics/resource-tracking/ghed-update/en/
updated on 10 Oct 2018

Seksyen MNHA, Bahagian Perancangan - 2018

System Health Accounts (SHA) 1 Framework



SHA 2011 Core & Extended Framework

Characteristics of beneficiaries (ICHA-HB)
(Diseases, age, gender, income, etc.)

Consumer health
interface

Health care
functions
ICHA-HC

SHA 2011
framework

Health care
financing schemes
ICHA-HF

Health care
Providers
ICHA-HP

Revenues of health
care financing schemes
(ICHA-FS)

Financing
interface

Financing agents (ICHA-FA)

Gross capital formation
(ICHA-HK)

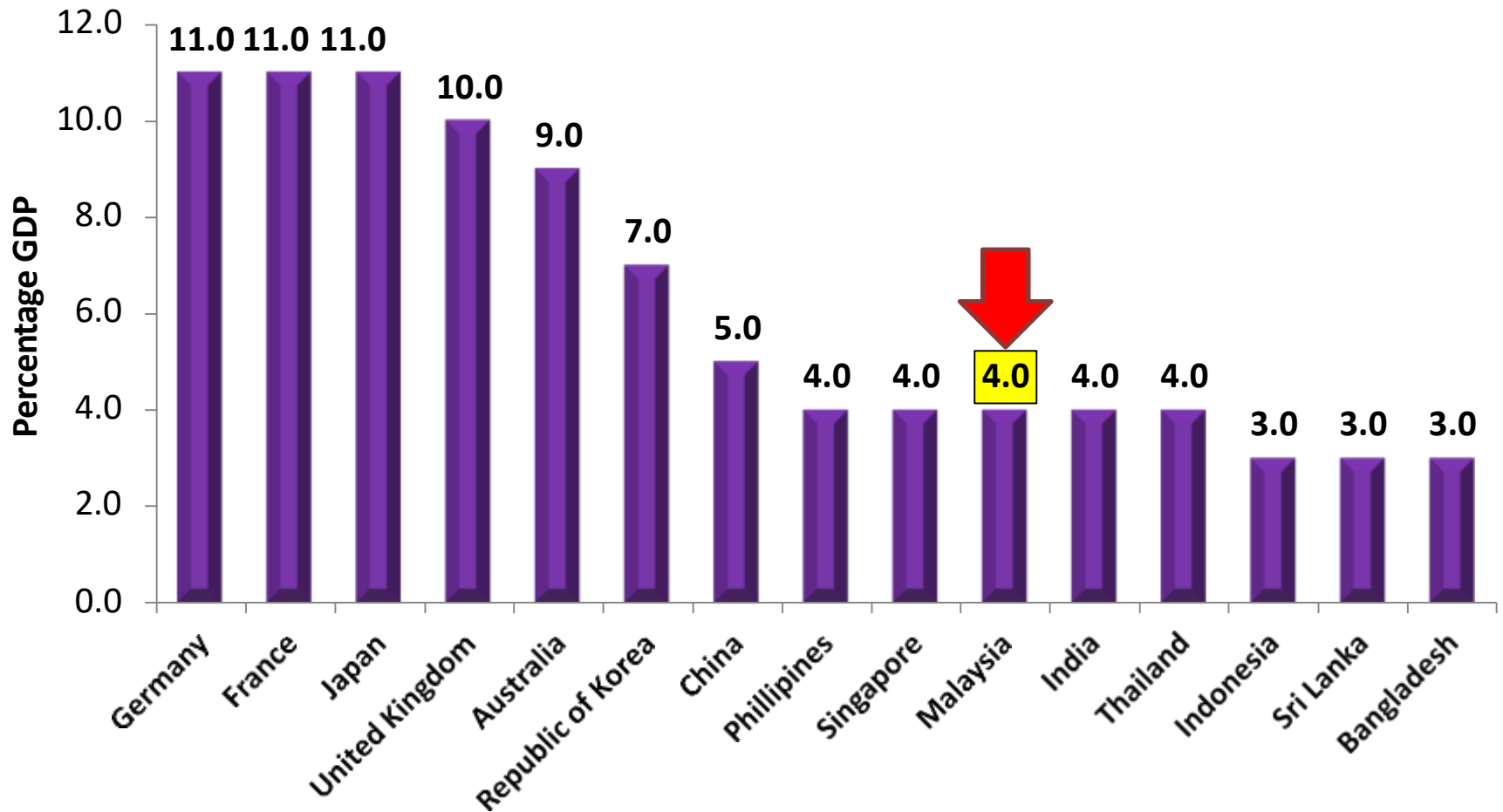
Provision
interface

Factors of provision (ICHA-FP)
External trade

Source: IHAT for SHA 2011

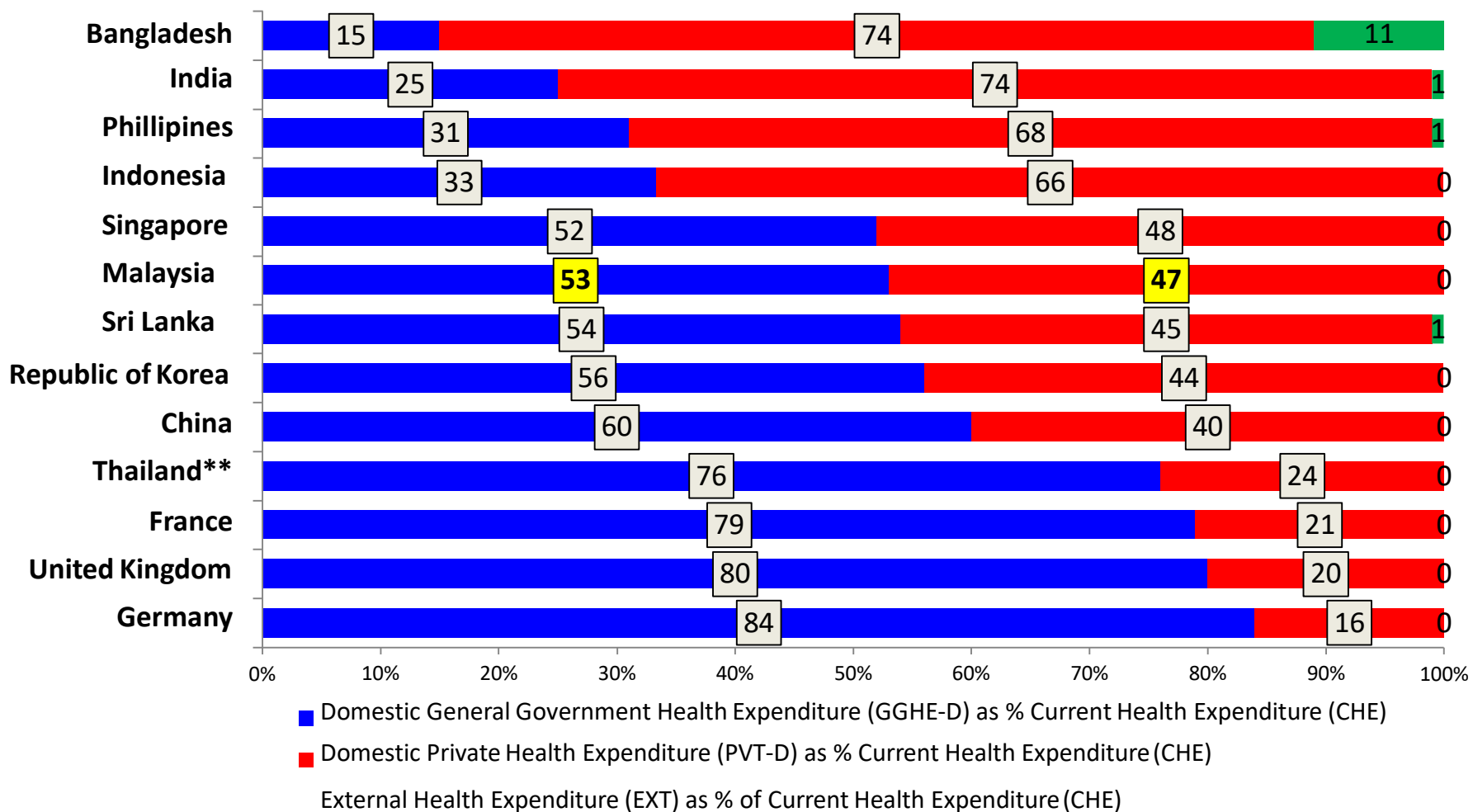
Seksyen MNHA, Bahagian Perancangan - 2018

Current Health Expenditure (CHE) as % of GDP: Selected Country Comparison, CHE 2015*



Source: * International data from Global Health Expenditure Database, WHO NHA Oct 2018

Selected Country Comparison of Public-Private Share in Health Expenditure, 2015* (%)



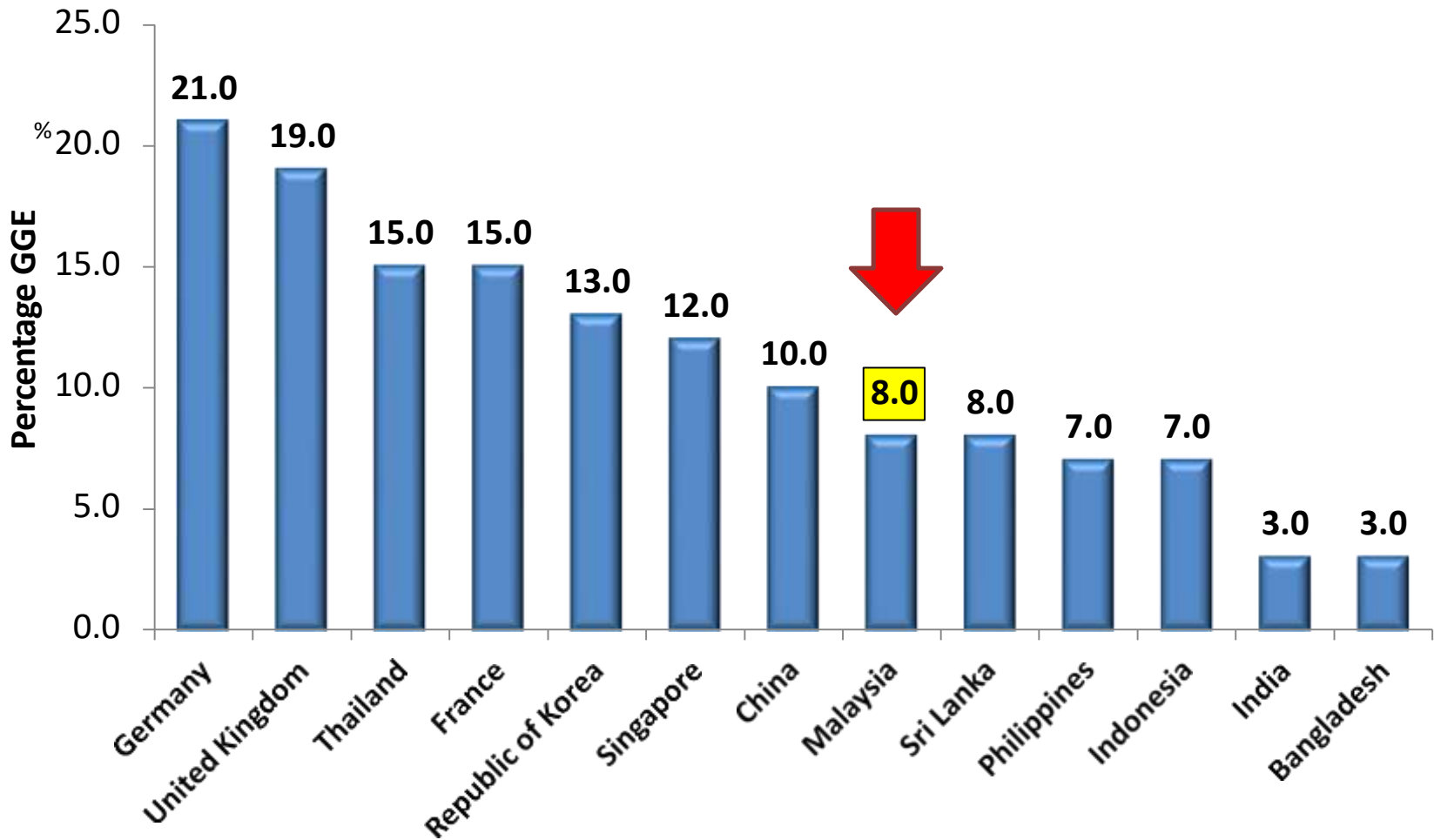
Note: *No data for these categories for Japan & Australia

**Total Domestic Health Expenditure (DOM) as percentage of CHE for Thailand is 98.51

Source: Global Health Expenditure Database, WHO NHA Oct 2018

Seksyen MNHA, Bahagian Perancangan - 2018

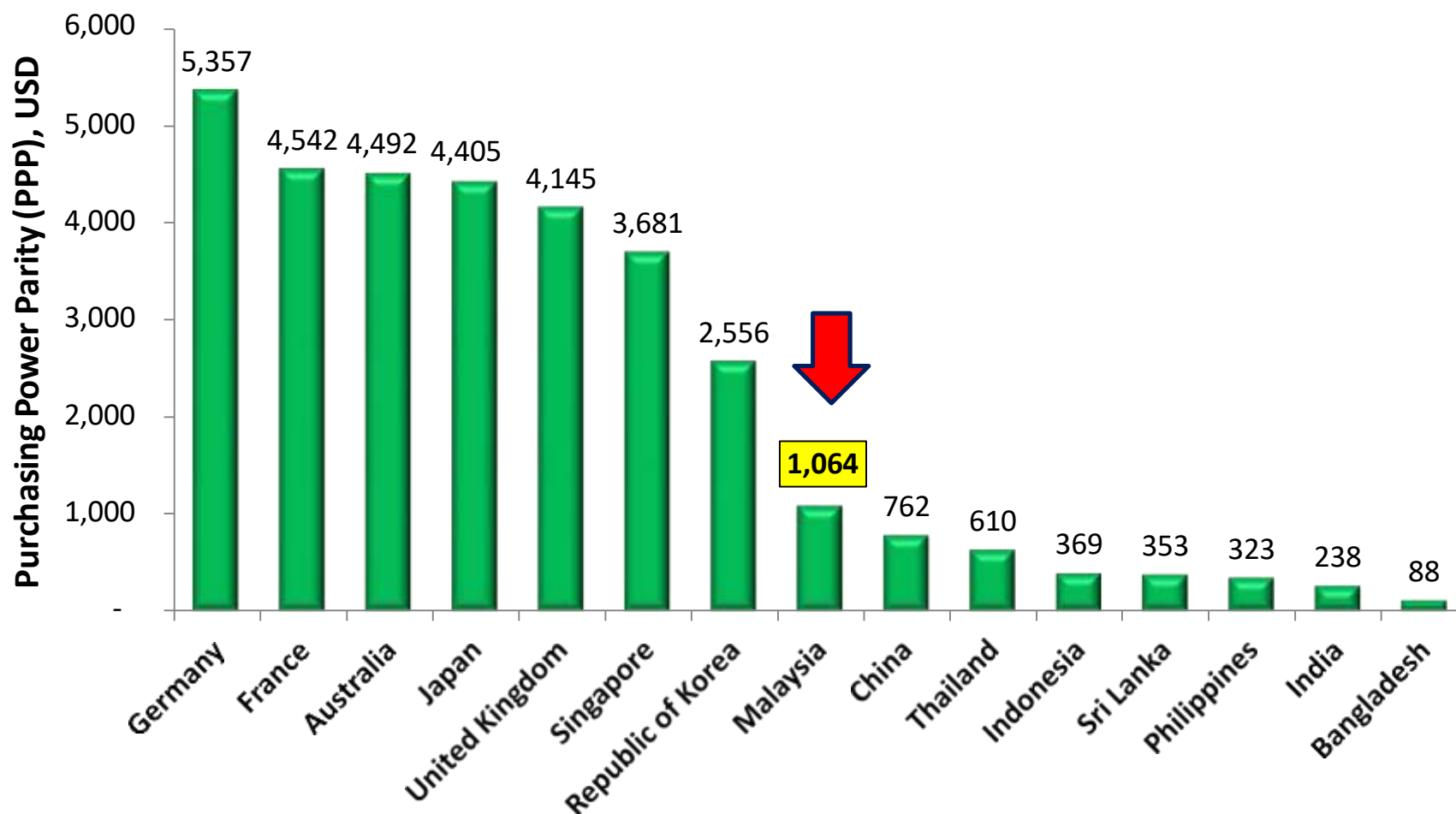
Selected Country Comparison of Government Health Expenditure (GGHE) as % General Government Expenditure (GGE) 2015*



Note: *No data for these categories for Japan & Australia

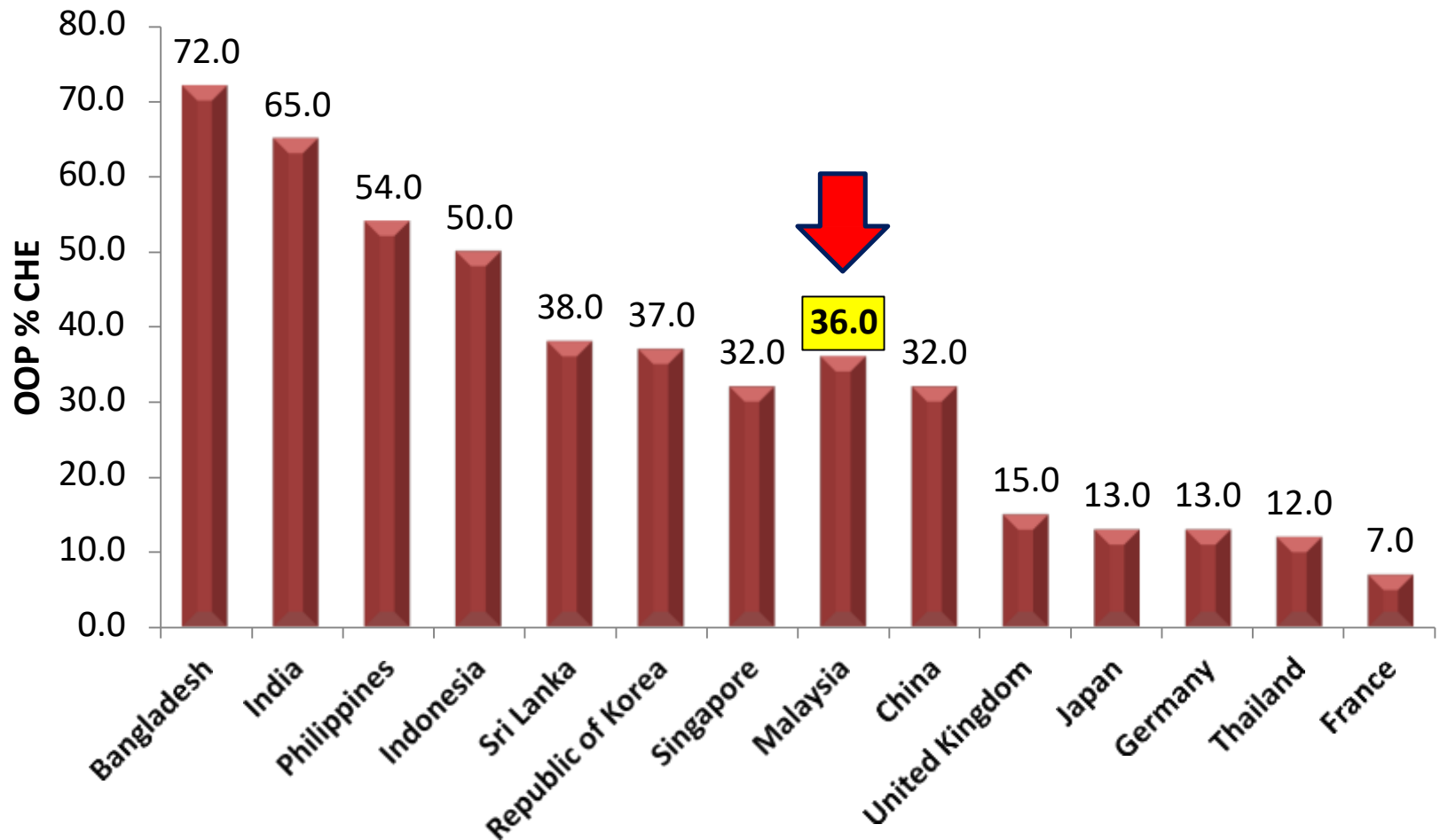
Source: Global Health Expenditure Database, WHO NHA on Oct 2018

Selected Country Current Health Expenditure (CHE) Per Capita in Purchasing Power Parity (PPP) 2015*



Source: * International data from Global Health Expenditure Database, WHO NHA Oct 2018

Selected Country Out-of-Pocket (OOP) Expenditure as % Current Health Expenditure (CHE) 2015*



Source: * International data from Global Health Expenditure Database, WHO NHA Oct 2018

