
Appendix A4

WHO Global Burden of Disease



GBD code	Global Burden of Disease (GBD)	Malaysia	Disease associated with exposure to pesticides and nonpoint-source industrial contaminants according to Lvosvsky (2001) ; 1=yes
Data sources - level of evidence			
	All cause mortality (c)	Level 2b	
	Cause-specific mortality (d)	Level 2b	
	Incidence, prevalence, severity, duration (j)	Level 3	
	Population ('000) (e)	23,965	
W000	All Causes	14,626	
W001	I. Communicable, maternal, perinatal and nutritional conditions	2,906	
W002	A. Infectious and parasitic diseases	1,604	
W003	1. Tuberculosis	281	
W004	2. STDs excluding HIV	146	
W005	a. Syphilis	10	
W006	b. Chlamydia	78	
W007	c. Gonorrhoea	55	
W009	3. HIV/AIDS	320	
W010	4. Diarrhoeal diseases	117	
W011	5. Childhood-cluster diseases	68	
W012	a. Pertussis	45	
W013	b. Poliomyelitis	3	
W014	c. Diphtheria	0	
W015	d. Measles	16	
W016	e. Tetanus	4	
W017	6. Meningitis	70	
W018	7. Hepatitis B (g)	48	
W019	Hepatitis C (g)	21	
W020	8. Malaria	28	
W021	9. Tropical-cluster diseases	84	
W022	a. Trypanosomiasis	-	
W023	b. Chagas disease	-	
W024	c. Schistosomiasis	2	
W025	d. Leishmaniasis	2	
W026	e. lymphatic filariasis	80	
W027	f. Onchocerciasis	-	
W028	10. Leprosy	12	
W029	11. Dengue	17	
W030	12. Japanese encephalitis	9	
W031	13. Trachoma	0	
W032	14. Intestinal nematode infections	92	
W033	a. Ascariasis	24	
W034	b. Trichuriasis	25	
W035	c. Hookworm disease	41	
W038	B. Respiratory infections	357	
W039	1. Lower respiratory infections	315	
W040	2. Upper respiratory infections	13	
W041	3. Otitis media	28	
W042	C. Maternal conditions	146	
W049	D. Perinatal conditions (h)	358	
W050	1. Low birth weight	119	
W051	2. Birth asphyxia and birth trauma	163	
W053	E. Nutritional deficiencies	441	
W054	1. Protein-energy malnutrition	163	
W055	2. Iodine deficiency	3	
W056	3. Vitamin A deficiency	1	
W057	4. Iron-deficiency anaemia	270	
W059	II. Noncommunicable diseases	10,180	
W060	A. Malignant neoplasms	955	
W061	1. Mouth and oropharynx cancers	72	
W062	2. Oesophagus cancer	12	
W063	3. Stomach cancer	58	
W064	4. Colon and rectum cancers	121	
W065	5. Liver cancer	71	1
W066	6. Pancreas cancer	25	1
W067	7. Trachea, bronchus, lung cancers	143	
W068	8. Melanoma and other skin cancers	2	1
W069	9. Breast cancer	118	
W070	10. Cervix uteri cancer	29	
W071	11. Corpus uteri cancer	12	
W072	12. Ovary cancer	35	
W073	13. Prostate cancer	18	
W074	14. Bladder cancer	15	
W075	15. Lymphomas, multiple myeloma	73	1
W076	16. Leukaemia	70	
W078	B. Other neoplasms	11	
W079	C. Diabetes mellitus	394	
W080	D. Endocrine disorders	113	1
W081	E. Neuropsychiatric conditions	2,874	
W082	1. Unipolar depressive disorders	934	1
W083	2. Bipolar disorder	224	
W084	3. Schizophrenia	340	
W085	4. Epilepsy	103	



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	Cause-specific mortality (d)	Level 2b	
	Incidence, prevalence, severity, duration (j)	Level 3	
	<i>Population ('000) (e)</i>	23,965	1
W086	5. Alcohol use disorders	291	
W087	6. Alzheimer and other dementias*	102	
W088	7. Parkinson disease	12	
W089	8. Multiple sclerosis	20	
W090	9. Drug use disorders	52	
W091	10. Post-traumatic stress disorder	57	
W092	11. Obsessive-compulsive disorder	55	
W093	12. Panic disorder	115	
W094	13. Insomnia (primary)	37	
W095	14. Migraine	117	
W098	F. Sense organ diseases	1,888	
W099	1. Glaucoma	64	
W100	2. Cataracts	1,062	1
W101	3. Vision disorders, age-related	248	
W102	4. Hearing loss, adult onset	514	
W104	G. Cardiovascular diseases	1,545	
W105	1. Rheumatic heart disease	41	
W106	2. Hypertensive heart disease	214	
W107	3. Ischaemic heart disease	553	
W108	4. Cerebrovascular disease	437	
W109	5. Inflammatory heart diseases	36	
W111	H. Respiratory diseases	649	
W112	1. Chronic obstructive pulmonary disease	246	
W113	2. Asthma	263	
W115	I. Digestive diseases	522	
W116	1. Peptic ulcer disease	61	
W117	2. Cirrhosis of the liver	121	
W118	3. Appendicitis	5	
W120	J. Genitourinary diseases	260	
W121	1. Nephritis and nephrosis	144	1
W122	2. Benign prostatic hypertrophy	40	
W124	K. Skin diseases	104	
W125	L. Musculoskeletal diseases	502	
W126	1. Rheumatoid arthritis	38	1
W127	2. Osteoarthritis	282	
W131	M. Congenital anomalies **	200	1
W143	N. Oral conditions	164	
W144	1. Dental caries	84	
W145	2. Periodontal disease	5	
W146	3. Edentulism	73	
W148	III. Injuries	1,540	
W149	A. Unintentional injuries	1,071	
W150	1. Road traffic accidents	470	
W151	2. Poisonings	15	1
W152	3. Falls	123	
W153	4. Fires	26	
W154	5. Drownings	98	
W155	6. Other unintentional injuries	338	
W156	B. Intentional injuries	469	
W157	1. Self-inflicted injuries	155	
W158	2. Violence	264	
W159	3. War	46	

Total DALYs associated with the 15 diseases listed by Lvosvsky (2001)	2677
Number of DALYs associated with these 15 disease potentially attributable to exposure to pesticides and nonpoint-source industrial contaminants (liberal estimate - 5%)	134
Number of DALYs associated with these 15 disease potentially attributable to exposure to pesticides and nonpoint-source industrial contaminants (conservative estimate - 20%)	535

**Lvosvsky indicates that spina bifida and congenital heart anomalies should be excluded , however detailed data are not provided by the WHO for these subcategories, so the total DALY for congenital anomalies is retained as an approached value.