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Supplement 1: All Disability Adjusted Life Years causes with mapped sampled medicines

	DALYs (0-14 years old, both sexes, rate), 2019							Sampled medicines, N
	Australia	Brazil	Canada	Kenya	Russia	South Africa	Global	
Acne vulgaris	67	51	53	78	38	73	65	2
Acute glomerulonephritis	0	2	0	2	1	2	3	0
Acute hepatitis A	2	6	2	26	5	8	59	0
Acute hepatitis B	0	3	0	5	4	1	22	6
Acute hepatitis C	0	1	0	2	0	0	4	1
Acute hepatitis E	0	1	0	1	0	1	3	0
Acute lymphoid leukemia	29	92	26	41	57	16	66	3
Acute myeloid leukemia	20	46	20	20	18	6	30	0
Adverse effects of medical treatment	21	40	17	51	25	46	61	8
African trypanosomiasis	0	0	0	0	0	0	2	0
Age-related and other hearing loss	38	71	28	161	78	161	106	0
Age-related macular degeneration	0	0	0	0	0	0	0	0
Alcohol use disorders	4	3	6	2	3	2	2	0
Alcoholic cardiomyopathy	0	0	0	0	0	0	0	0
Alopecia areata	3	3	4	2	3	2	3	0
Alzheimer's disease and other dementias	0	0	0	0	0	0	0	0
Amphetamine use disorders	0	0	0	0	0	0	0	0
Anorexia nervosa	13	6	8	3	4	4	4	0
Anxiety disorders	249	231	131	115	128	149	157	0
Aortic aneurysm	0	0	0	0	0	0	0	0
Appendicitis	3	15	2	15	5	11	16	2

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Asbestosis	0	0	0	0	0	0	0	0
Ascariasis	0	4	0	8	0	1	22	0
Asthma	455	416	301	212	148	274	210	5
Atopic dermatitis	250	208	183	80	396	96	160	1
Atrial fibrillation and flutter	0	0	0	0	0	0	0	0
Attention-deficit/hyperactivity disorder	65	37	42	12	21	11	21	1
Autism spectrum disorders	80	66	112	71	75	70	66	0
Benign and in situ cervical and uterine neoplasms	0	0	0	0	0	0	0	0
Benign and in situ intestinal neoplasms	0	0	0	0	0	0	0	0
Benign prostatic hyperplasia	0	0	0	0	0	0	0	0
Bipolar disorder	37	34	31	13	10	12	12	3
Bladder cancer	0	0	0	0	0	0	0	0
Brain and central nervous system cancer	70	139	75	54	93	35	85	0
Breast cancer	0	0	0	0	0	0	0	0
Bulimia nervosa	18	4	10	3	4	4	4	0
Cannabis use disorders	3	1	6	0	1	0	1	0
Caries of deciduous teeth	9	11	9	11	12	10	10	0
Caries of permanent teeth	10	12	11	10	14	11	13	0
Cataract	0	0	0	0	0	0	0	0
Cellulitis	3	9	4	3	3	3	3	0
Cervical cancer	0	0	0	0	0	0	0	0
Chagas disease	0	1	0	0	0	0	0	0
Chlamydial infection	0	0	0	0	0	0	0	0
Chronic kidney disease due to diabetes mellitus type 1	0	1	0	1	1	2	2	0
Chronic kidney disease due to diabetes mellitus type 2	0	0	0	0	0	0	0	0
Chronic kidney disease due to glomerulonephritis	4	24	8	25	19	25	32	0
Chronic kidney disease due to hypertension	0	0	0	0	0	0	0	0
Chronic kidney disease due to other and unspecified causes	8	41	16	31	30	46	59	0

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Chronic lymphoid leukemia	0	0	0	0	0	0	0	0
Chronic myeloid leukemia	1	1	1	7	1	1	8	3
Chronic obstructive pulmonary disease	9	12	8	26	11	25	22	0
Cirrhosis and other chronic liver diseases due to alcohol use	0	0	0	0	0	0	0	0
Cirrhosis and other chronic liver diseases due to hepatitis B	0	0	0	1	0	0	1	0
Cirrhosis and other chronic liver diseases due to hepatitis C	0	1	0	1	0	0	2	0
Cirrhosis and other chronic liver diseases due to NAFLD	0	0	0	0	0	0	0	0
Cirrhosis and other chronic liver diseases due to other causes	2	22	4	47	11	22	71	0
Coal workers pneumoconiosis	0	0	0	0	0	0	0	0
Cocaine use disorders	1	1	1	0	0	0	0	0
Colon and rectum cancer	1	2	1	1	1	2	2	0
Conduct disorder	193	181	157	194	187	193	172	0
Congenital heart anomalies	172	1185	197	546	369	415	866	0
Congenital musculoskeletal and limb anomalies	90	103	75	106	83	144	107	0
Contact dermatitis	2	4	16	4	16	4	5	0
Cutaneous and mucocutaneous leishmaniasis	0	1	0	0	0	0	2	0
Cystic echinococcosis	0	0	0	2	1	0	1	0
Cysticercosis	0	1	0	1	0	1	0	0
Decubitus ulcer	0	1	0	0	0	0	0	0
Dengue	2	20	0	4	0	0	54	0
Diabetes mellitus type 1	12	24	15	20	11	19	26	5
Diabetes mellitus type 2	0	0	0	0	0	0	0	5
Diarrheal diseases	76	561	138	4147	226	2431	2636	2
Dietary iron deficiency	104	368	39	395	91	323	695	0
Digestive congenital anomalies	59	372	63	155	118	115	215	0
Diphtheria	0	0	0	4	0	4	18	4
Down syndrome	45	164	46	44	35	102	72	0
Drug-susceptible tuberculosis	1	25	1	213	9	587	285	0

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Dysthymia	11	7	12	11	7	9	9	0
Ebola	0	0	0	0	0	0	2	0
Edentulism	0	0	0	0	0	0	0	0
Encephalitis	9	28	9	19	60	15	121	1
Endocarditis	1	15	1	5	3	5	10	0
Endocrine, metabolic, blood, and immune disorders	167	161	134	79	154	186	159	29
Endometriosis	0	0	0	0	0	0	0	0
Esophageal cancer	0	0	0	0	0	0	0	0
Extensively drug-resistant tuberculosis	0	0	0	0	2	0	1	0
Female infertility	0	0	0	0	0	0	0	0
Food-borne trematodiasis	0	0	0	0	1	0	1	0
Fungal skin diseases	20	26	7	64	15	36	45	2
G6PD deficiency	0	12	2	1	1	7	5	0
G6PD trait	0	0	0	0	0	0	0	0
Gallbladder and biliary diseases	3	9	4	5	7	5	9	0
Gallbladder and biliary tract cancer	0	0	0	0	0	0	0	0
Gastritis and duodenitis	3	5	2	6	6	10	10	0
Gastroesophageal reflux disease	1	2	1	1	1	1	1	3
Genital herpes	0	0	0	0	0	0	0	0
Genital prolapse	0	0	0	0	0	0	0	0
Glaucoma	0	0	0	0	0	0	0	0
Gonococcal infection	0	0	0	0	0	0	0	0
Gout	0	0	0	0	0	0	0	0
Guinea worm disease	0	0	0	0	0	0	0	0
Hemolytic disease and other neonatal jaundice	3	52	3	113	33	113	252	0
HIV/AIDS	2	79	4	1875	150	3072	338	15
Hodgkin lymphoma	1	3	1	6	3	2	7	0
Hookworm disease	0	4	0	19	0	16	19	0

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Hypertensive heart disease	0	0	0	0	0	0	0	7
Idiopathic developmental intellectual disability	16	20	27	41	25	20	81	0
Idiopathic epilepsy	89	167	64	207	84	183	180	10
Inflammatory bowel disease	3	3	7	4	2	5	4	4
Inguinal, femoral, and abdominal hernia	9	31	9	33	46	53	36	0
Interstitial lung disease and pulmonary sarcoidosis	2	4	4	2	2	3	3	0
Intracerebral hemorrhage	3	12	4	22	6	14	46	0
Invasive Non-typhoidal Salmonella (iNTS)	0	3	0	712	1	113	276	0
Iodine deficiency	1	0	1	3	2	2	12	0
Ischemic heart disease	0	0	0	0	0	0	0	0
Ischemic stroke	8	9	12	25	14	23	22	0
Kidney cancer	8	22	7	4	13	10	12	0
Klinefelter syndrome	0	0	0	0	0	0	0	0
Larynx cancer	0	0	0	0	0	0	0	0
Latent tuberculosis infection	0	0	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0	0	0
Lip and oral cavity cancer	1	1	1	1	1	1	1	0
Liver cancer due to alcohol use	0	0	0	0	0	0	0	0
Liver cancer due to hepatitis B	0	0	0	1	1	0	1	0
Liver cancer due to hepatitis C	0	0	0	0	0	0	0	0
Liver cancer due to NASH	0	0	0	0	0	0	0	0
Liver cancer due to other causes	6	7	7	5	13	4	13	0
Low back pain	109	137	133	71	148	65	100	0
Lower respiratory infections	62	997	57	3119	397	2527	3196	14
Lymphatic filariasis	0	3	0	24	0	0	14	0
Major depressive disorder	135	178	91	47	28	42	57	1
Malaria	0	7	0	2450	0	40	1820	2
Male infertility	0	0	0	0	0	0	0	0

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Malignant skin melanoma	5	2	2	1	2	1	1	1
Maternal disorders	0	3	0	5	0	0	4	0
Measles	0	0	0	196	0	281	349	0
Meningitis	24	146	24	600	59	261	604	7
Mesothelioma	0	0	0	0	0	0	0	0
Migraine	132	417	176	89	133	127	165	3
Motor neuron disease	25	7	13	1	4	1	4	0
Multidrug-resistant tuberculosis without extensive drug resistance	0	1	0	7	4	33	25	0
Multiple myeloma	0	0	0	0	0	0	0	0
Multiple sclerosis	0	0	1	0	0	0	0	1
Myelodysplastic, myeloproliferative, and other hematopoietic neoplasms	1	5	4	1	2	1	2	0
Myocarditis	8	17	8	5	7	4	12	0
Nasopharynx cancer	1	1	1	2	1	1	2	0
Near vision loss	0	0	0	0	0	1	0	0
Neck pain	10	8	18	7	8	7	13	0
Neonatal encephalopathy due to birth asphyxia and trauma	346	1313	327	3220	355	2341	2625	0
Neonatal preterm birth	513	2240	791	2250	482	4103	3182	0
Neonatal sepsis and other neonatal infections	33	1077	68	1621	288	1157	1093	2
Neural tube defects	79	324	60	258	76	146	383	0
Non-Hodgkin lymphoma	9	26	11	27	17	15	25	0
Non-melanoma skin cancer (basal-cell carcinoma)	0	0	0	0	0	0	0	0
Non-melanoma skin cancer (squamous-cell carcinoma)	0	0	0	0	0	0	0	0
Non-rheumatic calcific aortic valve disease	0	0	0	0	0	0	0	0
Non-rheumatic degenerative mitral valve disease	0	0	0	0	0	0	0	0
Onchocerciasis	0	0	0	0	0	0	11	0
Opioid use disorders	0	0	0	0	0	0	0	0
Orofacial clefts	3	9	1	14	3	17	17	0

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Osteoarthritis hand	0	0	0	0	0	0	0	0
Osteoarthritis hip	0	0	0	0	0	0	0	0
Osteoarthritis knee	0	0	0	0	0	0	0	0
Osteoarthritis other	0	0	0	0	0	0	0	0
Other benign and in situ neoplasms	0	0	0	0	0	0	0	2
Other cardiomyopathy	8	74	14	47	25	49	32	0
Other cardiovascular and circulatory diseases	13	45	14	41	13	29	58	0
Other chromosomal abnormalities	112	178	166	59	78	127	95	0
Other chronic respiratory diseases	13	30	14	34	13	38	32	8
Other congenital birth defects	132	659	170	519	320	561	589	2
Other digestive diseases	3	11	4	16	9	11	16	1
Other drug use disorders	0	0	1	0	0	0	0	0
Other gynecological diseases	0	1	0	1	0	1	1	1
Other hemoglobinopathies and hemolytic anemias	4	17	2	15	4	13	26	3
Other intestinal infectious diseases	0	2	0	4	1	3	5	4
Other leukemia	3	20	11	38	5	25	43	0
Other malignant neoplasms	56	108	76	82	73	48	120	1
Other mental disorders	3	1	3	1	1	1	2	1
Other musculoskeletal disorders	7	15	65	2	3	2	10	1
Other neglected tropical diseases	10	53	4	42	14	33	101	0
Other neonatal disorders	245	1226	354	1797	299	2955	1731	0
Other neurological disorders	57	76	59	75	75	68	71	1
Other non-rheumatic valve diseases	0	0	0	0	0	0	0	0
Other nutritional deficiencies	2	10	3	9	6	6	31	0
Other oral disorders	31	32	31	32	32	32	31	1
Other pharynx cancer	0	0	0	0	0	0	0	0
Other pneumoconiosis	0	0	0	0	0	0	0	0
Other sense organ diseases	15	15	13	15	13	15	14	10

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Other sexually transmitted infections	0	0	0	0	0	0	0	2
Other skin and subcutaneous diseases	23	24	23	20	22	22	23	1
Other unspecified infectious diseases	37	70	26	104	93	290	138	6
Other urinary diseases	3	4	3	17	4	7	11	1
Other vision loss	5	8	4	4	4	3	5	2
Otitis media	26	49	26	57	46	55	51	2
Ovarian cancer	1	2	1	1	2	2	2	0
Pancreatic cancer	0	0	0	0	0	0	0	0
Pancreatitis	1	2	1	1	2	0	2	0
Paralytic ileus and intestinal obstruction	13	91	16	84	21	39	103	0
Paratyphoid fever	0	0	0	16	0	0	50	0
Parkinson's disease	0	0	0	0	0	0	0	0
Peptic ulcer disease	0	2	1	5	2	2	10	0
Periodontal diseases	0	0	0	0	0	0	0	0
Peripheral artery disease	0	0	0	0	0	0	0	0
Polycystic ovarian syndrome	2	0	1	0	0	0	1	0
Premenstrual syndrome	20	23	22	24	21	21	21	0
Prostate cancer	0	0	0	0	0	0	0	0
Protein-energy malnutrition	10	194	10	1188	36	802	555	1
Pruritus	4	5	5	8	5	7	5	0
Psoriasis	52	32	41	6	13	9	15	2
Pyoderma	6	24	2	23	5	15	21	4
Rabies	0	0	0	15	0	3	21	0
Refraction disorders	46	54	27	17	39	18	31	0
Rheumatic heart disease	2	28	1	38	2	32	36	0
Rheumatoid arthritis	1	2	2	1	1	1	1	7
Scabies	6	162	5	54	13	31	76	0
Schistosomiasis	0	10	0	68	0	37	14	0

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Schizophrenia	2	2	1	2	2	2	2	5
Seborrhoeic dermatitis	2	2	2	3	1	3	3	0
Self-harm and interpersonal violence	70	279	90	133	171	321	240	1
Sickle cell disorders	0	31	1	82	0	3	122	0
Sickle cell trait	1	6	0	86	0	2	43	0
Silicosis	0	0	0	0	0	0	0	0
Stomach cancer	0	0	0	0	0	0	0	0
Subarachnoid hemorrhage	3	21	5	4	6	3	18	0
Sudden infant death syndrome	102	45	68	87	102	135	125	0
Syphilis	0	37	0	419	2	1321	371	0
Tension-type headache	13	18	17	11	17	12	13	0
Testicular cancer	4	3	4	1	3	3	3	0
Tetanus	0	2	0	384	0	3	89	4
Thalasseмии	4	6	2	0	9	5	28	0
Thalasseмии trait	3	7	0	5	8	5	56	0
Thyroid cancer	1	1	1	1	1	1	1	1
Tracheal, bronchus, and lung cancer	1	1	1	0	0	0	1	0
Trachoma	0	0	0	0	0	0	0	0
Transport and other unintentional injuries	683	1168	435	825	1085	1432	1482	0
Trichomoniasis	0	0	0	0	0	0	0	0
Trichuriasis	0	4	0	3	0	4	4	0
Turner syndrome	0	0	0	0	0	0	0	0
Typhoid fever	0	0	0	359	0	3	275	0
Upper respiratory infections	132	154	144	154	100	106	114	0
Urinary tract infections and interstitial nephritis	5	48	5	7	10	4	23	0
Urogenital congenital anomalies	28	84	29	33	25	26	50	0
Urolithiasis	0	0	0	0	1	0	0	0
Urticaria	71	80	88	80	133	81	80	2

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Uterine cancer	0	0	0	0	0	0	0	0
Uterine fibroids	0	0	0	0	1	0	0	0
Varicella and herpes zoster	4	27	3	36	8	19	30	1
Vascular intestinal disorders	1	2	1	1	2	1	2	0
Viral skin diseases	204	105	326	175	104	121	122	0
Visceral leishmaniasis	0	70	0	49	0	0	14	0
Vitamin A deficiency	0	29	1	110	0	22	51	0
Whooping cough	4	17	7	478	1	593	515	4
Yellow fever	0	0	0	6	0	0	8	0
Zika virus	0	0	0	0	0	0	0	0