

Appendix 1: Estimated rank order & magnitude of selected causes of death by sex for WHO SEAR Countries from GBD and GHE data sources for 2019

Bangladesh	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	6	21000	5	19026	15168	23553	7	16200	8	10061	5769	18222
Diarrhea	9	14100	10	13132	6667	44058	3	22000	3	19796	6426	51800
Neonatal conditions	4	24800	4	23319	17695	29572	4	20400	7	16856	12334	22173
Ischemic heart dis	2	61900	2	78924	60710	98788	2	46600	2	52086	39835	64468
Stroke	1	68400	1	87986	61920	109201	1	65800	1	70820	54984	87350
COPD	3	28100	3	36553	27449	63883	5	17600	4	19095	11784	39555
Diabetes	11	12300	8	15692	12274	19623	6	16600	6	17403	13049	21551
Road injury	5	21400	15	7286	5005	9199	21	3600	42	1326	1040	1680
Suicide	23	4700	16	5714	4373	7561	39	1300	33	1651	1255	2138
Falls	29	2500	28	3136	1246	4488	55	800	55	800	498	1025
Drowning	20	4800	18	5441	4017	8509	27	2300	26	2141	1608	3029
All causes	-	433100	-	480199	401484	569241	-	360128	-	369362	311432	436287

Bhutan	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	12	68	11	55	32	101	8	70	9	52	25	118
Diarrhea	7	94	9	62	21	115	7	75	8	57	20	149
Neonatal conditions	5	99	5	128	91	177	5	78	4	106	76	148
Ischemic heart dis	1	440	1	401	302	522	1	263	1	262	201	321
Stroke	3	199	3	177	129	232	3	161	3	160	114	202
COPD	2	274	2	231	150	385	2	251	2	237	169	299
Diabetes	9	87	7	77	53	105	6	77	6	78	58	106
Road injury	8	89	12	46	30	64	16	34	22	18	13	26
Suicide	25	26	17	30	19	44	34	10	33	11	8	16
Falls	13	64	10	57	26	105	12	47	12	44	18	68
Drowning	34	15	35	16	11	22	48	5	47	6	4	8
All causes	-	2596	-	2329	1893	2803	-	1933	-	1924	1610	2215

DPR Korea	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	4	11137	11	2106	1539	2837	4	6280	18	1135	506	1580
Diarrhea	45	203	56	154	70	285	48	172	56	134	56	260
Neonatal conditions	14	1447	20	1043	779	1378	18	1091	24	811	645	1048
Ischemic heart dis	2	14918	2	16820	14183	20018	2	16424	2	18978	15209	23512
Stroke	1	22888	1	25140	20920	29165	1	26760	1	30328	25120	37119
COPD	3	12337	3	13511	9976	16118	3	13841	3	15981	12353	20946
Diabetes	16	1381	16	1528	1206	1885	9	2290	9	2539	1983	3317
Road injury	6	4645	4	6327	4561	8844	14	1565	12	2055	1502	2686
Suicide	15	1405	15	1758	1212	2825	20	1002	17	1197	889	1627
Falls	18	1006	17	1238	828	1746	24	795	22	942	648	1214
Drowning	22	794	21	958	627	1416	36	332	33	394	263	536
All causes	-	111597	-	116303	101473	130982	-	113197	-	120754	105884	144635

India	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	12	269281	4	272901	218536	328389	7	166600	7	149733	114166	193345
Diarrhea	7	262711	6	230469	142738	482412	2	407604	3	401876	166196	793477
Neonatal conditions	5	227792	5	234329	191798	289764	5	206356	6	203675	165755	254767
Ischemic heart dis	1	925181	1	907913	738296	1091751	1	594853	1	611211	483945	737545
Stroke	3	369143	3	363240	294021	443439	4	327894	4	335838	264577	412800
COPD	2	494378	2	494418	384707	601238	3	385354	2	404026	271704	519237
Diabetes	9	142084	10	140278	115042	169376	8	129412	8	132810	106705	160980
Road injury	8	166421	9	164878	111162	201907	20	46175	18	47097	38005	57184
Suicide	25	100413	13	109469	77915	135328	14	72935	12	85867	68616	106283
Falls	13	110470	12	112422	89776	138254	9	115285	9	121244	88062	148331
Drowning	34	32093	26	35970	29075	44662	40	16680	40	18076	14867	21542
All causes	-	4979957	-	5002295	4240352	5861637	-	4191386	-	4389254	3782882	5059322

Indonesia	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	6	50680	5	48912	39392	60193	4	39397	6	27637	22289	34080
Diarrhea	7	33030	8	30568	16102	43335	6	30936	5	29021	13397	56326
Neonatal conditions	9	26050	13	23457	18203	29639	11	19385	14	14668	11512	18299
Ischemic heart dis	2	145045	2	139568	111323	170776	2	114251	2	105776	86283	124039
Stroke	1	171308	1	160939	127953	194174	1	185875	1	170410	138970	199354
COPD	4	52469	6	48297	38341	57985	8	25816	9	23434	18240	29010
Diabetes	3	53345	4	51499	41002	63491	3	57168	3	54834	43330	67508
Road injury	12	23949	9	29048	22785	40738	25	6718	20	7956	6486	9802
Suicide	34	5096	25	6035	4340	7974	47	1448	47	1622	1306	2034
Falls	21	9247	18	9392	7113	11835	19	9157	19	8386	5524	10088
Drowning	38	3150	34	3590	2811	4301	48	1368	51	1422	1199	1681
All causes	-	972754	-	925663	768137	1101576	-	843474	-	780232	647765	912462

Maldives	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	27	8	21	10	8	12	29	4	33	4	3	5
Diarrhea	24	9	29	7	4	10	21	6	30	4	2	8
Neonatal conditions	15	14	5	42	30	59	11	11	5	33	25	45
Ischemic heart dis	1	181	1	208	175	243	1	98	1	100	83	120
Stroke	2	90	2	101	84	121	2	53	2	54	44	66
COPD	3	45	4	46	37	56	3	46	3	46	36	57
Diabetes	6	26	6	30	25	36	8	21	7	22	17	27
Road injury	30	7	12	18	14	22	40	2	32	4	3	5
Suicide	16	13	10	18	14	24	43	2	51	2	1	2
Falls	17	13	13	17	13	23	20	6	20	6	5	8
Drowning	19	12	14	17	14	21	34	2	35	3	2	4
All causes	-	790	-	910	795	1039	-	538	-	592	516	675

Nepal	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	3	10918	5	5076	3870	6306	4	5616	10	2412	1661	3269
Diarrhea	9	2274	12	1965	1049	3623	7	3797	6	3662	1512	7642
Neonatal conditions	5	4994	6	4766	3809	5846	6	3902	7	3631	2888	4449
Ischemic heart dis	2	12700	2	15858	12118	19502	2	6976	2	7885	5679	10233
Stroke	4	7137	3	8744	6688	11209	3	5771	3	6445	4832	8460
COPD	1	13401	1	16253	11784	19756	1	13625	1	15244	9908	19325
Diabetes	15	1457	14	1796	1317	2302	15	1472	14	1678	1297	2109
Road injury	7	2947	15	1762	1093	2295	14	1707	20	959	749	1187
Suicide	10	2145	9	2995	1976	3920	36	427	32	533	389	702
Falls	13	1529	13	1870	1421	2420	13	1793	12	1980	1365	3772
Drowning	20	972	18	1053	651	1343	30	533	34	423	311	566
All causes	-	92858	-	105570	88743	118178	-	83605	-	87761	75896	98289

Myanmar	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	5	11970	7	9302	7034	11960	7	7329	10	5011	3284	7016
Diarrhea	14	3940	15	3802	2397	6488	15	3297	16	2898	1346	5668
Neonatal conditions	7	9717	8	9214	6174	12815	5	7471	6	6851	5426	8443
Ischemic heart dis	2	18139	2	21146	18013	25048	2	16732	2	19437	16604	22559
Stroke	1	34020	1	39741	34151	46505	1	37420	1	42658	36075	49540
COPD	3	16274	3	19330	15904	22650	3	10257	3	11900	6485	14585
Diabetes	6	9860	6	11393	9640	13631	4	10083	4	11226	9511	13259
Road injury	9	8312	13	4330	3169	5546	18	2692	24	1409	1062	1840
Suicide	30	1264	26	1585	1120	2081	54	301	49	372	273	491
Falls	15	3543	12	4457	3279	6896	22	2143	20	2642	2009	3249
Drowning	25	1730	20	2415	1646	3389	43	482	39	637	436	922
All causes	-	210527	-	228169	196005	271446	-	176243	-	192763	170116	223078

Sri Lanka	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	36	505	24	611	439	834	37	264	35	262	189	370
Diarrhea	40	256	31	420	236	815	32	348	19	600	211	1277
Neonatal conditions	30	563	25	597	390	865	26	445	23	476	321	672
Ischemic heart dis	1	14635	1	13259	9903	17198	1	11699	1	10709	7761	14050
Stroke	6	3512	2	7166	5315	9413	6	3293	2	7198	5388	9347
COPD	3	5610	7	3161	2137	4351	4	3845	9	1867	959	2694
Diabetes	2	5704	3	6098	4597	7949	2	6756	3	7175	4960	9369
Road injury	8	3320	10	2540	1757	3394	14	879	16	769	567	1013
Suicide	13	2285	5	3471	2528	4758	17	692	12	954	714	1260
Falls	26	651	14	1372	986	1875	35	313	13	911	628	1205
Drowning	31	563	17	718	523	954	45	168	41	210	157	283
All causes	-	80874	-	74009	56780	95180	-	65122	-	61624	48536	77468

Thailand	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	13	6826	15	4797	3526	6279	21	2725	18	2978	2222	3934
Diarrhea	21	3250	22	2960	1597	5869	19	3613	17	3251	1177	7098
Neonatal conditions	33	1518	44	957	713	1247	37	1161	48	734	548	934
Ischemic heart dis	1	27588	1	28549	21443	37043	2	23717	2	23046	17276	29645
Stroke	2	26212	2	27362	20278	36451	1	24062	1	23663	17665	30410
COPD	7	13212	8	13133	9697	16921	10	6263	11	6037	4217	8860
Diabetes	10	7970	11	8385	6038	11042	6	10806	6	11185	8558	14486
Road injury	3	17843	5	15622	11607	20852	16	4585	15	3919	2830	5214
Suicide	15	5102	13	5780	4154	7843	38	1045	32	1327	938	1787
Falls	19	3545	16	3866	2789	5181	27	1859	26	1864	1324	2899
Drowning	22	3241	17	3696	2796	4866	45	715	42	823	632	1064
All causes	-	275123	-	280223	216313	357677	-	221603	-	217279	172929	270365

Timor Leste Cause	Male						Female					
	GHE		GBD				GHE		GBD			
	Rank	Estimate	Rank	Estimate	LL	UL	Rank	Estimate	Rank	Estimate	LL	UL
Tuberculosis	1	707	6	184	110	271	2	432	6	114	64	167
Diarrhea	7	161	8	139	57	264	6	124	11	95	41	187
Neonatal conditions	4	346 #	4	313	243	392	5	272	4	212	169	263
Ischemic heart dis	3	426	2	585	395	774	3	388	2	436	338	538
Stroke	2	435	1	588	404	860	1	488	1	547	436	654
COPD	6	177	5	240	171	333	7	107	5	119	81	188
Diabetes	15	57	17	77	53	101	9	986	7	114	84	147
Road injury	8	110	12	115	65	151	15	44	21	44	25	56
Suicide	21	35	21	46	23	70	38	13	32	17	8	23
Falls	20	38	22	46	30	69	26	24	27	22	16	29
Drowning	17	53	18	48	26	69	18	31	28	21	10	29
All causes	-	4085	-	4344	3686	4828	-	3468	-	3412	2980	3791

Appendix 2: Estimated life expectancy at birth and total deaths by sex for 11 SEAR countries from the Global Health Estimates (GHE), Global Burden of Disease (GBD) study, and the United Nations World Population Prospects (WPP) for 2019

Country	Life Expectancy at birth (years)						Total estimated deaths (000's)			
	Males			Females			Males		Females	
	GHE	GBD	WPP	GHE	GBD	WPP	GHE	GBD	GHE	GBD
Bangladesh	73.0	73.4	70.5	75.6	75.9	74.1	433.1	480.2	360.0	369.4
Bhutan	72.0	72.2	71.0	74.4	74.3	71.6	2.6	2.3	1.9	1.9
DPR Korea	69.3	69.8	68.3	75.7	76.3	75.4	111.6	116.3	113.2	120.8
India	69.5	69.5	68.11	72.2	72.1	70.5	4980.0	5002.3	4191.4	4389.3
Indonesia	69.4	69.4	69.3	73.3	73.5	73.6	972.8	925.7	843.5	780.2
Maldives	78.6	78.0	77.1	80.8	80.5	80.4	0.8	0.9	0.5	0.6
Myanmar	65.9	66.2	63.7	72.2	72.6	69.8	210.5	228.2	176.2	192.8
Nepal	68.9	69.2	68.8	72.8	73.0	71.7	92.9	105.6	83.6	87.8
Sri Lanka	73.8	74.3	73.3	79.8	80.2	80.1	80.9	74.0	65.1	95.2
Thailand	74.4	74.9	73.1	81.0	82.0	80.6	275.1	280.2	221.6	217.3
Timor Leste	67.9	69.0	67.2	71.4	72.4	71.3	4.1	4.3	3.5	3.4