

Table S1: List of diseases for which mortality and morbidity were estimated**Smoking related diseases****A. Communicable, maternal, neonatal, and nutritional diseases****A.1 Respiratory infections and tuberculosis**

Tuberculosis, Lower respiratory infections

B. Non-communicable diseases**B.1 Neoplasms**

Esophageal cancer, Stomach cancer, Liver cancer, Larynx cancer, Tracheal, bronchus, & lung cancer, Breast cancer (women only), Cervical cancer (women only), Prostate cancer (men only), Colon and rectum cancer, Lip and oral cavity cancer, Nasopharynx cancer, Other pharynx cancer, Pancreatic cancer, Kidney cancer, Bladder cancer, Leukemia

B.2 Cardiovascular diseases

Ischemic heart disease, Stroke, Atrial fibrillation and flutter, Aortic aneurysm (only for mortality), Peripheral artery disease

B.3 Chronic respiratory diseases

Chronic obstructive pulmonary disease, Asthma

B.4 Digestive diseases

Upper digestive system diseases, Gallbladder and biliary diseases

B.5 Neurological disorders

Alzheimer's disease and other dementias, Parkinson's disease, Multiple sclerosis

B.6 Diabetes and kidney diseases

Diabetes mellitus

B.7 Sense organ diseases

Blindness and vision impairment (cataract and age-related macular degeneration)

C. Injuries**C.1 Transport Injuries**

Road injuries, Other transport injuries

C.2 Unintentional injuries

Falls, Exposure to mechanical forces, Animal contact

C.3 Self-harm and interpersonal violence

Interpersonal violence

SHS related diseases**A. Communicable, maternal, neonatal, and nutritional diseases****A.1 Respiratory infections and tuberculosis**

Lower respiratory infections

B. Non-communicable diseases**B.1 Neoplasms**

Tracheal, bronchus & lung cancer, Breast cancer (women only)

B.2 Cardiovascular diseases

Ischemic heart disease, Stroke

B.3 Chronic respiratory diseases

Chronic obstructive pulmonary disease

B.6 Diabetes and kidney diseases

Diabetes mellitus

Table S2: Number of YLD related to smoking, by age and disease, men

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Bahrain								
<i>All causes</i>	368.9	599.1	736.4	638.0	537.5	512.8	397.2	211.8
<i>A. Communicable diseases</i>	2.5	2.5	2.2	1.5	1.0	0.8	0.6	0.4
A.1 Respiratory infections & tuberculosis	2.5	2.5	2.2	1.5	1.0	0.8	0.6	0.4
Tuberculosis	1.2	1.2	1.1	0.7	0.5	0.4	0.3	0.2
Lower respiratory infections	1.3	1.3	1.1	0.8	0.5	0.4	0.3	0.2
<i>B. Non-communicable diseases</i>	366.3	596.5	729.1	631.6	532.6	508.0	393.6	209.7
B.1 Neoplasms	0.4	0.8	1.4	2.1	3.6	5.1	7.5	4.8
Esophageal cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Stomach cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Liver cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Larynx cancer	0.0	0.0	0.1	0.1	0.3	0.4	0.6	0.3
Tracheal, bronchus, and lung cancer	0.0	0.1	0.2	0.4	0.7	1.1	1.8	1.3
Prostate cancer	0.0	0.1	0.1	0.1	0.3	0.5	0.9	0.6
Colon and rectum cancer	0.0	0.1	0.2	0.3	0.5	0.6	0.8	0.5
Lip and oral cavity cancer	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.2
Nasopharynx cancer	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Kidney cancer	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1
Bladder cancer	0.1	0.2	0.4	0.5	0.9	1.1	1.9	1.2
Leukemia	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.2
B.2 Cardiovascular diseases	18.8	36.6	59.1	68.8	72.6	68.5	59.1	28.6
Ischemic heart disease	7.1	16.4	29.6	35.1	34.9	29.3	24.0	11.7
Stroke	10.8	18.9	27.7	31.7	35.1	34.3	29.9	13.1
Atrial fibrillation and flutter	1.0	1.4	1.7	1.9	1.8	2.6	2.2	1.7
Peripheral artery disease	-	-	0.0	0.1	0.8	2.4	2.9	2.1
B.3 Chronic respiratory diseases	46.8	94.1	131.8	134.7	128.8	136.8	110.0	63.8
Chronic obstructive pulmonary disease	25.4	65.7	103.7	113.0	111.9	122.0	99.4	58.2
Asthma	21.4	28.4	28.1	21.7	16.8	14.9	10.6	5.6
B.4 Digestive diseases	5.6	8.0	8.0	5.9	4.0	2.7	1.6	0.8
B.5 Neurological disorders	0.9	1.2	1.4	1.6	2.1	3.0	4.3	4.6
B.6 Diabetes mellitus	52.2	85.5	121.2	126.5	114.5	124.4	90.6	46.0
B.7 Musculoskeletal disorders	240.5	367.4	401.3	285.8	199.6	157.6	110.2	53.5
Rheumatoid arthritis	2.0	3.0	3.8	3.6	3.0	3.0	2.1	1.0
Low back pain	238.5	364.4	397.5	282.3	196.6	154.6	108.2	52.5
B.8 Sense organ diseases	1.1	2.9	4.9	6.1	7.5	9.9	10.3	7.6
<i>C. Injuries</i>	-	-	5.1	4.9	3.9	4.0	3.0	1.7
C.1 Transport injuries	-	-	2.4	1.9	1.5	1.5	0.9	0.5
C.2 Unintentional injuries	-	-	2.7	3.0	2.3	2.4	2.0	1.2
C.3 Self-harm & interpersonal violence	-	-	0.1	0.1	0.0	0.0	0.0	0.0

Table S2: Number of YLD related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Kuwait								
<i>All causes</i>	1,741.4	2,238.6	2,252.0	2,071.7	1,540.6	1,016.5	789.9	525.2
<i>A. Communicable diseases</i>	10.8	8.9	7.0	5.7	3.8	2.1	1.5	1.2
A.1 Respiratory infections & tuberculosis	10.8	8.9	7.0	5.7	3.8	2.1	1.5	1.2
Tuberculosis	4.6	3.8	3.3	2.6	1.6	0.9	0.6	0.4
Lower respiratory infections	6.2	5.1	3.7	3.1	2.2	1.2	0.9	0.7
<i>B. Non-communicable diseases</i>	1,730.5	2,229.7	2,222.9	2,043.7	1,522.7	1,003.8	780.4	518.0
B.1 Neoplasms	1.9	4.4	5.3	8.4	11.5	12.1	14.3	12.0
Esophageal cancer	0.0	0.1	0.1	0.2	0.2	0.3	0.2	0.1
Stomach cancer	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Liver cancer	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.3
Larynx cancer	0.1	0.3	0.4	0.5	0.7	0.9	1.1	0.7
Tracheal, bronchus, and lung cancer	0.1	0.3	0.6	1.2	1.9	2.3	2.5	2.3
Prostate cancer	0.3	0.4	0.3	0.7	1.5	1.6	2.4	2.2
Colon and rectum cancer	0.2	0.4	0.8	1.2	1.6	1.7	1.8	1.3
Lip and oral cavity cancer	0.1	0.3	0.2	0.3	0.4	0.3	0.3	0.2
Nasopharynx cancer	0.0	0.1	0.2	0.2	0.2	0.1	0.1	0.0
Other pharynx cancer	0.0	0.1	0.1	0.1	0.2	0.1	0.2	0.1
Pancreatic cancer	0.0	0.0	0.1	0.2	0.2	0.3	0.2	0.2
Kidney cancer	0.0	0.1	0.2	0.3	0.4	0.5	0.4	0.3
Bladder cancer	0.6	1.8	1.5	2.4	2.7	2.9	3.5	3.4
Leukemia	0.3	0.5	0.5	0.7	0.9	0.7	1.0	0.7
B.2 Cardiovascular diseases	86.5	135.5	181.2	230.6	226.9	156.0	138.2	85.8
Ischemic heart disease	29.2	55.6	84.9	108.8	101.0	63.1	53.4	32.9
Stroke	52.5	74.5	90.5	115.0	118.4	82.5	74.0	42.8
Atrial fibrillation and flutter	4.8	5.4	5.8	6.7	5.5	5.9	5.0	4.8
Peripheral artery disease	-	-	0.0	0.2	2.0	4.4	5.8	5.4
B.3 Chronic respiratory diseases	230.2	335.4	369.2	394.3	340.1	249.2	197.7	138.2
Chronic obstructive pulmonary disease	108.3	207.4	263.0	305.1	275.1	209.3	169.2	119.7
Asthma	121.8	128.1	106.2	89.2	65.0	39.8	28.6	18.5
B.4 Digestive diseases	23.8	27.1	22.9	18.3	11.8	6.1	3.2	1.7
B.5 Neurological disorders	4.2	4.6	4.1	5.0	6.4	7.1	10.7	14.5
B.6 Diabetes mellitus	280.9	364.3	385.3	386.3	263.9	193.1	134.6	84.5
B.7 Musculoskeletal disorders	1,097.9	1,346.2	1,237.1	975.7	633.7	354.9	255.7	157.7
Rheumatoid arthritis	12.3	15.3	16.1	16.6	11.7	8.4	6.0	3.7
Low back pain	1,085.5	1,330.9	1,221.0	959.2	622.0	346.4	249.7	154.1
B.8 Sense organ diseases	5.3	12.2	17.8	25.0	28.4	25.3	26.1	23.6
<i>C. Injuries</i>	-	-	22.2	22.3	14.2	10.7	8.0	6.0
C.1 Transport injuries	-	-	10.6	9.0	5.8	4.0	2.5	1.8
C.2 Unintentional injuries	-	-	11.3	13.1	8.2	6.6	5.4	4.1
C.3 Self-harm & interpersonal violence	-	-	0.3	0.2	0.1	0.1	0.1	0.0

Table S2: Number of YLD related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Oman								
<i>All causes</i>	1,272.9	1,481.9	1,432.4	1,267.4	1,029.6	901.4	558.1	320.5
<i>A. Communicable diseases</i>	9.0	6.4	4.4	3.5	2.5	1.9	1.1	0.7
A.1 Respiratory infections & tuberculosis	9.0	6.4	4.4	3.5	2.5	1.9	1.1	0.7
Tuberculosis	3.6	2.5	1.7	1.3	0.9	0.7	0.4	0.2
Lower respiratory infections	5.4	3.9	2.7	2.2	1.6	1.2	0.7	0.4
<i>B. Non-communicable diseases</i>	1,263.9	1,475.5	1,416.7	1,253.7	1,018.4	892.3	553.0	317.5
B.1 Neoplasms	1.3	2.5	3.6	6.3	9.1	12.9	11.1	8.0
Esophageal cancer	0.0	0.1	0.2	0.3	0.5	0.6	0.5	0.3
Stomach cancer	0.0	0.1	0.1	0.2	0.3	0.5	0.6	0.4
Liver cancer	0.0	0.0	0.1	0.2	0.3	0.5	0.4	0.2
Larynx cancer	0.1	0.2	0.4	0.9	1.2	1.8	1.2	0.7
Tracheal, bronchus, and lung cancer	0.1	0.2	0.4	0.8	1.4	2.2	2.1	1.6
Prostate cancer	0.1	0.1	0.1	0.3	0.7	1.0	1.3	1.1
Colon and rectum cancer	0.1	0.2	0.4	0.7	0.9	1.3	1.1	0.7
Lip and oral cavity cancer	0.1	0.3	0.4	0.5	0.7	0.9	0.6	0.4
Nasopharynx cancer	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Other pharynx cancer	0.0	0.0	0.1	0.2	0.2	0.3	0.2	0.1
Pancreatic cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Kidney cancer	0.0	0.1	0.1	0.2	0.3	0.4	0.3	0.2
Bladder cancer	0.4	0.6	0.7	1.2	1.9	2.3	2.0	1.5
Leukemia	0.3	0.3	0.4	0.4	0.5	0.7	0.7	0.5
B.2 Cardiovascular diseases	78.9	109.6	139.0	167.4	169.4	154.2	108.1	55.2
Ischemic heart disease	26.9	46.8	69.7	85.8	82.3	67.2	45.6	24.3
Stroke	47.9	58.9	65.6	77.5	81.6	77.7	54.9	25.0
Atrial fibrillation and flutter	4.1	3.9	3.6	3.9	3.8	4.6	2.9	2.2
Peripheral artery disease	-	-	0.0	0.1	1.7	4.7	4.7	3.7
B.3 Chronic respiratory diseases	138.3	195.3	212.4	215.5	190.0	187.7	121.8	77.0
Chronic obstructive pulmonary disease	68.9	127.9	158.7	173.0	158.5	160.2	105.6	67.7
Asthma	69.4	67.4	53.8	42.5	31.5	27.5	16.2	9.3
B.4 Digestive diseases	21.9	22.0	17.8	12.8	8.3	5.8	2.6	1.3
B.5 Neurological disorders	3.2	2.8	2.3	3.1	4.1	5.7	6.9	8.2
B.6 Diabetes mellitus	211.3	244.2	247.7	244.9	219.5	185.1	97.2	48.0
B.7 Musculoskeletal disorders	794.7	873.7	761.0	561.8	370.9	283.9	159.7	84.6
Rheumatoid arthritis	7.9	8.3	7.8	7.3	6.2	5.1	2.7	1.4
Low back pain	786.8	865.3	753.3	554.5	364.7	278.8	157.0	83.2
B.8 Sense organ diseases	14.2	25.4	32.9	42.0	47.1	56.9	45.6	35.3
<i>C. Injuries</i>	-	-	11.2	10.3	8.7	7.2	4.0	2.3
C.1 Transport injuries	-	-	6.8	5.5	4.7	3.6	1.7	0.9
C.2 Unintentional injuries	-	-	4.3	4.7	3.9	3.5	2.2	1.3
C.3 Self-harm & interpersonal violence	-	-	0.1	0.1	0.1	0.1	0.0	0.0

Table S2: Number of YLD related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Qatar								
<i>All causes</i>	1,027.7	1,132.9	964.0	1,261.9	733.7	616.7	379.5	176.3
<i>A. Communicable diseases</i>	7.2	4.8	3.0	2.9	1.4	1.0	0.6	0.3
A.1 Respiratory infections & tuberculosis	7.2	4.8	3.0	2.9	1.4	1.0	0.6	0.3
Tuberculosis	3.8	2.4	1.6	1.4	0.6	0.5	0.3	0.1
Lower respiratory infections	3.4	2.3	1.4	1.6	0.8	0.5	0.3	0.1
<i>B. Non-communicable diseases</i>	1,020.5	1,128.1	948.5	1,245.2	724.6	607.7	374.6	174.2
B.1 Neoplasms	0.7	1.3	1.6	4.1	5.5	7.9	8.0	5.9
Esophageal cancer	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1
Stomach cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Liver cancer	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3
Larynx cancer	0.1	0.1	0.1	0.5	0.6	0.9	0.7	0.6
Tracheal, bronchus, and lung cancer	0.0	0.1	0.2	0.9	1.2	1.7	2.0	1.2
Prostate cancer	0.1	0.1	0.1	0.4	0.7	1.0	1.5	1.2
Colon and rectum cancer	0.1	0.1	0.2	0.5	0.6	0.8	0.9	0.7
Lip and oral cavity cancer	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1
Nasopharynx cancer	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Pancreatic cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Kidney cancer	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1
Bladder cancer	0.2	0.5	0.4	0.7	1.0	1.6	1.2	0.9
Leukemia	0.1	0.1	0.2	0.3	0.4	0.5	0.4	0.3
B.2 Cardiovascular diseases	49.3	65.1	70.4	134.4	100.8	82.6	58.5	25.3
Ischemic heart disease	15.9	25.1	31.2	61.4	43.8	31.7	21.6	9.7
Stroke	30.8	37.5	36.7	69.5	53.7	45.2	32.4	12.9
Atrial fibrillation and flutter	2.7	2.5	2.6	3.3	2.3	3.3	2.0	1.1
Peripheral artery disease	-	-	0.0	0.1	1.0	2.5	2.5	1.7
B.3 Chronic respiratory diseases	102.0	145.8	141.3	241.7	165.9	153.4	100.0	52.3
Chronic obstructive pulmonary disease	57.4	104.6	113.4	206.1	146.7	139.0	91.8	48.5
Asthma	44.6	41.2	27.9	35.6	19.3	14.4	8.2	3.8
B.4 Digestive diseases	22.8	22.0	15.2	18.1	8.1	4.7	2.1	0.8
B.5 Neurological disorders	1.8	2.1	1.4	2.5	2.7	3.4	3.9	3.7
B.6 Diabetes mellitus	150.3	167.2	181.0	216.9	138.6	148.6	81.3	31.5
B.7 Musculoskeletal disorders	691.0	719.9	532.4	616.4	293.9	197.2	112.5	49.3
Rheumatoid arthritis	5.2	5.5	5.5	6.1	3.8	3.6	1.9	0.7
Low back pain	685.8	714.4	526.8	610.3	290.2	193.5	110.6	48.6
B.8 Sense organ diseases	2.6	4.7	5.3	11.1	9.1	9.9	8.3	5.4
<i>C. Injuries</i>	-	-	12.6	13.7	7.7	8.0	4.4	1.8
C.1 Transport injuries	-	-	6.2	5.7	3.3	3.2	1.5	0.6
C.2 Unintentional injuries	-	-	6.2	7.9	4.3	4.7	2.9	1.2
C.3 Self-harm & interpersonal violence	-	-	0.1	0.1	0.1	0.1	0.0	0.0

Table S2: Number of YLD related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Saudi Arabia								
<i>All causes</i>	7,467.2	10,263.2	10,409.2	8,443.9	6,580.6	4,772.7	3,907.1	2,845.0
<i>A. Communicable diseases</i>	56.7	54.4	44.1	33.1	21.6	14.9	11.8	7.8
A.1 Respiratory infections & tuberculosis	56.7	54.4	44.1	33.1	21.6	14.9	11.8	7.8
Tuberculosis	28.4	28.0	23.5	17.8	10.8	7.9	7.0	4.1
Lower respiratory infections	28.3	26.4	20.6	15.3	10.8	7.0	4.8	3.7
<i>B. Non-communicable diseases</i>	7,410.5	10,208.8	10,228.5	8,282.1	6,466.7	4,684.8	3,823.9	2,799.0
B.1 Neoplasms	8.6	21.0	35.6	55.8	74.3	89.6	87.3	87.8
Esophageal cancer	0.2	0.5	1.1	1.7	2.1	2.4	2.7	1.7
Stomach cancer	0.2	0.4	0.6	1.0	1.5	1.7	1.8	1.9
Liver cancer	0.1	0.2	0.4	1.0	1.6	2.6	3.3	3.4
Larynx cancer	0.6	1.9	3.8	6.2	7.8	10.0	7.5	5.5
Tracheal, bronchus, and lung cancer	0.4	1.4	3.5	7.8	11.6	15.4	18.2	20.3
Prostate cancer	1.3	1.7	1.8	3.7	7.1	9.8	13.1	16.1
Colon and rectum cancer	0.9	2.2	4.6	8.0	11.2	12.6	12.0	12.5
Lip and oral cavity cancer	0.7	2.1	2.8	3.6	4.0	4.4	3.9	3.8
Nasopharynx cancer	0.7	2.1	4.3	4.9	3.3	2.1	1.6	1.2
Other pharynx cancer	0.1	0.3	0.8	1.0	1.4	1.6	1.3	1.0
Pancreatic cancer	0.1	0.2	0.5	0.9	1.3	1.6	1.5	1.6
Kidney cancer	0.2	0.6	1.1	1.9	2.4	2.5	2.1	2.3
Bladder cancer	1.9	4.7	7.4	10.2	13.9	17.6	13.2	10.9
Leukemia	1.4	2.6	3.1	3.9	4.9	5.3	5.0	5.6
B.2 Cardiovascular diseases	414.9	705.3	948.4	1,069.4	1,090.8	807.2	717.5	502.3
Ischemic heart disease	150.7	305.2	464.6	530.0	508.2	337.7	287.4	206.2
Stroke	247.3	378.9	460.9	514.9	553.7	427.9	381.1	251.3
Atrial fibrillation and flutter	16.9	21.2	22.7	23.9	20.4	22.6	24.2	17.1
Peripheral artery disease	-	-	0.2	0.7	8.4	19.1	24.7	27.7
B.3 Chronic respiratory diseases	560.5	973.8	1,217.5	1,280.3	1,252.1	1,109.3	956.9	817.0
Chronic obstructive pulmonary disease	290.1	655.6	946.1	1,083.1	1,109.3	1,014.0	889.0	764.5
Asthma	270.4	318.2	271.5	197.2	142.8	95.3	67.9	52.5
B.4 Digestive diseases	118.4	144.0	122.5	84.7	55.1	30.2	16.6	10.6
B.5 Neurological disorders	14.5	18.4	17.5	19.1	24.5	29.3	42.5	66.7
B.6 Diabetes mellitus	1,071.4	1,463.0	1,539.3	1,406.6	1,031.8	781.9	644.4	298.3
B.7 Musculoskeletal disorders	5,195.1	6,826.1	6,268.3	4,275.4	2,838.6	1,742.5	1,261.9	910.7
Rheumatoid arthritis	33.7	46.0	48.1	43.2	31.6	24.4	20.1	9.4
Low back pain	5,161.4	6,780.1	6,220.2	4,232.2	2,807.0	1,718.1	1,241.8	901.3
B.8 Sense organ diseases	27.1	57.3	79.3	90.9	99.5	94.7	96.9	105.7
<i>C. Injuries</i>	-	-	136.6	128.7	92.3	72.9	71.3	38.2
C.1 Transport injuries	-	-	70.8	56.0	40.1	28.3	23.0	11.2
C.2 Unintentional injuries	-	-	64.2	71.5	51.4	43.9	47.9	26.8
C.3 Self-harm & interpersonal violence	-	-	1.6	1.2	0.8	0.6	0.5	0.2

Table S2: Number of YLD related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
UAE								
<i>All causes</i>	5,088.4	8,840.4	8,268.7	6,050.6	3,736.1	1,931.3	1,568.9	421.4
<i>A. Communicable diseases</i>	25.9	27.9	19.5	12.3	6.7	3.3	2.4	0.6
A.1 Respiratory infections & tuberculosis	25.9	27.9	19.5	12.3	6.7	3.3	2.4	0.6
Tuberculosis	11.5	12.8	8.7	5.2	2.8	1.5	1.0	0.2
Lower respiratory infections	14.4	15.1	10.8	7.2	3.9	1.8	1.4	0.4
<i>B. Non-communicable diseases</i>	5,062.5	8,812.4	8,144.5	5,964.8	3,681.6	1,901.2	1,550.1	415.9
B.1 Neoplasms	7.6	23.5	33.7	45.3	50.2	43.8	54.8	15.5
Esophageal cancer	0.4	1.6	3.2	4.1	5.0	4.4	4.1	1.1
Stomach cancer	0.1	0.3	0.5	0.7	0.8	0.9	1.6	0.5
Liver cancer	0.0	0.2	0.5	0.8	0.8	0.9	1.2	0.3
Larynx cancer	1.3	4.2	6.4	9.3	10.1	7.4	7.2	1.8
Tracheal, bronchus, and lung cancer	0.2	1.2	2.7	4.5	5.7	7.1	12.1	3.2
Prostate cancer	0.8	1.1	1.1	1.6	2.6	2.4	4.3	1.4
Colon and rectum cancer	0.3	1.4	2.6	3.4	3.3	3.9	5.2	1.5
Lip and oral cavity cancer	0.4	1.9	2.0	2.2	1.9	1.7	1.9	0.5
Nasopharynx cancer	0.2	0.8	1.2	1.1	0.5	0.3	0.3	0.1
Other pharynx cancer	0.1	0.3	0.6	0.8	0.9	0.7	0.9	0.2
Pancreatic cancer	0.0	0.3	0.6	0.9	1.0	0.9	1.2	0.3
Kidney cancer	0.1	0.8	1.3	1.8	1.6	1.2	1.3	0.3
Bladder cancer	3.1	7.8	9.3	12.1	14.4	9.9	10.5	3.1
Leukemia	0.6	1.6	2.0	2.0	1.8	2.0	3.1	1.0
B.2 Cardiovascular diseases	259.4	513.5	638.9	616.5	491.0	250.1	246.1	59.2
Ischemic heart disease	66.8	162.9	234.1	227.0	166.2	71.9	66.7	16.6
Stroke	181.2	333.8	390.3	375.9	310.8	164.0	164.4	36.6
Atrial fibrillation and flutter	11.3	16.7	14.3	13.0	9.7	8.0	6.3	2.6
Peripheral artery disease	-	-	0.2	0.5	4.4	6.2	8.7	3.4
B.3 Chronic respiratory diseases	816.5	1,836.1	1,999.8	1,734.6	1,138.3	635.1	513.6	137.5
Chronic obstructive pulmonary disease	432.0	1,294.7	1,560.1	1,453.5	978.6	563.4	456.5	122.8
Asthma	384.5	541.3	439.7	281.1	159.7	71.7	57.1	14.7
B.4 Digestive diseases	66.7	98.4	76.9	45.2	22.2	8.4	6.0	1.3
B.5 Neurological disorders	23.8	26.8	17.9	14.8	13.6	8.9	13.7	7.4
B.6 Diabetes mellitus	655.9	1,152.9	1,055.2	905.8	626.8	371.0	228.9	60.7
B.7 Musculoskeletal disorders	3,218.5	5,121.6	4,268.0	2,547.4	1,290.7	552.6	451.0	121.2
Rheumatoid arthritis	21.7	35.4	28.8	23.2	14.0	8.1	5.0	1.4
Low back pain	3,196.8	5,086.2	4,239.2	2,524.1	1,276.7	544.5	446.0	119.9
B.8 Sense organ diseases	14.1	39.7	54.3	55.2	48.9	31.2	36.0	13.0
<i>C. Injuries</i>	-	-	104.7	73.5	47.8	26.8	16.3	4.8
C.1 Transport injuries	-	-	52.7	31.6	21.0	10.9	5.6	1.6
C.2 Unintentional injuries	-	-	50.9	41.3	26.4	15.7	10.6	3.2
C.3 Self-harm & interpersonal violence	-	-	1.1	0.6	0.4	0.2	0.1	0.0

Source: GBD Study, IHME

Table S3: Number of YLD related to smoking, by age and disease, women

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
<u>Bahrain</u>								
<i>All causes</i>	22.9	33.3	35.7	46.0	57.0	63.7	62.6	46.1
<i>A. Communicable diseases</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
A.1 Respiratory infections & tuberculosis	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lower respiratory infections	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
<i>B. Non-communicable diseases</i>	22.8	33.2	35.2	45.4	56.1	62.7	61.6	45.2
B.1 Neoplasms	0.0	0.1	0.1	0.2	0.4	0.6	0.6	0.5
Esophageal cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Larynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tracheal, bronchus, and lung cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Breast cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Cervical cancer	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
Colon and rectum cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lip and oral cavity cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Leukemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	1.5	2.5	3.5	6.0	9.1	9.8	11.5	7.8
Ischemic heart disease	0.4	0.9	1.4	2.4	3.5	3.4	3.9	2.7
Stroke	1.0	1.6	2.0	3.4	5.3	5.9	6.8	4.4
Atrial fibrillation and flutter	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3
Peripheral artery disease	-	-	0.0	0.0	0.1	0.3	0.4	0.4
B.3 Chronic respiratory diseases	3.4	5.5	6.2	8.2	10.8	14.0	14.8	12.4
Chronic obstructive pulmonary disease	1.9	3.6	4.5	6.5	9.0	12.0	13.0	11.1
Asthma	1.5	1.9	1.6	1.8	1.9	1.9	1.8	1.3
B.4 Digestive diseases	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.2
B.5 Neurological disorders	0.1	0.2	0.2	0.2	0.3	0.4	0.7	1.0
B.6 Diabetes mellitus	2.4	3.9	5.3	8.1	11.6	14.7	13.2	9.0
B.7 Musculoskeletal disorders	15.1	20.6	19.5	21.9	22.8	21.8	19.1	12.8
Rheumatoid arthritis	0.3	0.4	0.6	0.8	1.2	1.4	1.2	0.8
Low back pain	14.8	20.2	19.0	21.0	21.7	20.4	17.8	12.0
B.8 Sense organ diseases	0.1	0.2	0.2	0.4	0.7	1.0	1.5	1.6
<i>C. Injuries</i>	-	-	0.4	0.5	0.8	0.9	0.9	0.8
C.1 Transport injuries	-	-	0.2	0.2	0.3	0.3	0.2	0.2
C.2 Unintentional injuries	-	-	0.2	0.3	0.5	0.6	0.7	0.6
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S3: Number of YLD related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Kuwait								
<i>All causes</i>	162.2	196.9	221.4	182.5	155.7	104.1	102.3	68.3
<i>A. Communicable diseases</i>	1.0	0.7	0.6	0.4	0.3	0.2	0.2	0.1
A.1 Respiratory infections & tuberculosis	1.0	0.7	0.6	0.4	0.3	0.2	0.2	0.1
Tuberculosis	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0
Lower respiratory infections	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.1
<i>B. Non-communicable diseases</i>	161.3	196.1	219.1	180.3	153.9	102.3	100.9	67.3
B.1 Neoplasms	0.3	0.4	0.6	0.8	0.8	0.8	0.8	0.5
Esophageal cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Larynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tracheal, bronchus, and lung cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Breast cancer	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.2
Cervical cancer	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
Colon and rectum cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Lip and oral cavity cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Leukemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	10.8	15.8	23.4	25.9	28.5	18.3	22.6	14.2
Ischemic heart disease	3.0	5.3	9.0	10.1	10.6	6.2	7.4	4.5
Stroke	7.5	10.1	14.1	15.3	17.2	11.2	14.0	8.5
Atrial fibrillation and flutter	0.3	0.4	0.4	0.5	0.4	0.6	0.5	0.4
Peripheral artery disease	-	-	0.0	0.0	0.2	0.4	0.8	0.8
B.3 Chronic respiratory diseases	21.8	29.5	35.3	30.4	28.8	21.0	22.5	17.1
Chronic obstructive pulmonary disease	9.9	17.1	23.4	21.9	22.1	17.0	18.8	14.6
Asthma	11.8	12.4	12.0	8.6	6.7	4.0	3.7	2.5
B.4 Digestive diseases	1.3	1.6	1.9	1.5	1.1	0.6	0.5	0.3
B.5 Neurological disorders	0.7	0.7	0.6	0.7	0.9	0.8	1.4	2.0
B.6 Diabetes mellitus	17.8	21.6	22.6	22.9	17.9	16.4	11.3	5.6
B.7 Musculoskeletal disorders	108.1	125.4	133.0	96.1	73.6	42.3	38.6	24.4
Rheumatoid arthritis	2.7	3.3	3.5	3.7	3.0	2.8	1.9	0.9
Low back pain	105.3	122.1	129.5	92.4	70.6	39.5	36.8	23.5
B.8 Sense organ diseases	0.4	1.0	1.6	1.9	2.3	2.1	3.2	3.2
<i>C. Injuries</i>	-	-	1.7	1.8	1.6	1.6	1.3	0.9
C.1 Transport injuries	-	-	0.7	0.6	0.5	0.5	0.3	0.2
C.2 Unintentional injuries	-	-	1.0	1.1	1.0	1.1	0.9	0.7
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S3: Number of YLD related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Oman								
<i>All causes</i>	45.7	62.1	72.4	92.7	92.3	89.0	76.6	68.6
<i>A. Communicable diseases</i>	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1
A.1 Respiratory infections & tuberculosis	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Tuberculosis	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Lower respiratory infections	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
<i>B. Non-communicable diseases</i>	45.4	61.9	71.3	91.7	91.3	88.0	75.8	67.0
B.1 Neoplasms	0.2	0.4	0.5	0.7	0.8	0.8	0.9	0.7
Esophageal cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Larynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tracheal, bronchus, and lung cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Breast cancer	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.1
Cervical cancer	0.1	0.3	0.3	0.2	0.2	0.2	0.2	0.1
Colon and rectum cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
Lip and oral cavity cancer	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Leukemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	3.8	6.1	8.5	16.3	20.5	19.7	20.3	14.1
Ischemic heart disease	1.0	2.0	3.3	6.6	8.0	7.1	7.4	5.2
Stroke	2.6	3.9	4.9	9.5	12.0	11.8	12.0	7.6
Atrial fibrillation and flutter	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.7
Peripheral artery disease	-	-	0.0	0.0	0.2	0.4	0.7	0.7
B.3 Chronic respiratory diseases	5.1	7.9	8.8	13.5	14.2	16.0	14.2	12.3
Chronic obstructive pulmonary disease	2.4	4.9	6.1	10.2	11.3	13.4	12.1	10.7
Asthma	2.7	3.0	2.7	3.3	2.9	2.7	2.1	1.6
B.4 Digestive diseases	0.4	0.6	0.6	0.8	0.7	0.6	0.4	0.3
B.5 Neurological disorders	0.3	0.4	0.3	0.3	0.4	0.6	1.0	1.5
B.6 Diabetes mellitus	6.3	9.0	16.1	14.5	15.0	14.1	10.1	14.1
B.7 Musculoskeletal disorders	28.9	36.4	35.2	42.9	36.2	31.4	23.3	17.4
Rheumatoid arthritis	0.7	1.0	1.6	1.3	1.3	1.3	0.9	1.3
Low back pain	28.1	35.4	33.6	41.5	34.9	30.1	22.3	16.1
B.8 Sense organ diseases	0.5	1.0	1.4	2.7	3.5	4.7	5.6	6.6
<i>C. Injuries</i>	-	-	0.9	0.7	0.9	0.8	0.7	1.4
C.1 Transport injuries	-	-	0.5	0.3	0.4	0.3	0.2	0.4
C.2 Unintentional injuries	-	-	0.4	0.4	0.5	0.5	0.4	1.0
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S3: Number of YLD related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Qatar								
<i>All causes</i>	28.2	34.2	38.0	33.3	35.4	25.7	17.2	12.9
<i>A. Communicable diseases</i>	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
A.1 Respiratory infections & tuberculosis	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Tuberculosis	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Lower respiratory infections	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
<i>B. Non-communicable diseases</i>	28.1	34.0	37.7	32.9	35.1	25.5	16.9	12.8
B.1 Neoplasms	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.3
Esophageal cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Larynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tracheal, bronchus, and lung cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Breast cancer	0.1	0.0	0.1	0.1	0.2	0.2	0.1	0.1
Cervical cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Colon and rectum cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Lip and oral cavity cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leukemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	1.5	2.2	3.3	3.7	5.4	4.1	2.9	2.2
Ischemic heart disease	0.4	0.7	1.2	1.4	2.0	1.4	1.0	0.7
Stroke	1.0	1.4	2.0	2.2	3.3	2.6	1.8	1.3
Atrial fibrillation and flutter	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Peripheral artery disease	-	-	0.0	0.0	0.0	0.1	0.1	0.1
B.3 Chronic respiratory diseases	4.9	5.1	6.3	5.5	6.9	6.0	3.7	3.3
Chronic obstructive pulmonary disease	3.2	3.3	4.5	4.2	5.6	5.1	3.2	3.0
Asthma	1.7	1.9	1.8	1.3	1.3	0.9	0.5	0.4
B.4 Digestive diseases	0.4	0.5	0.5	0.4	0.4	0.2	0.1	0.1
B.5 Neurological disorders	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
B.6 Diabetes mellitus	3.1	5.1	4.9	6.5	5.6	3.9	3.9	2.3
B.7 Musculoskeletal disorders	17.9	20.8	22.2	16.3	15.9	10.1	5.4	3.8
Rheumatoid arthritis	0.3	0.5	0.4	0.5	0.4	0.3	0.3	0.1
Low back pain	17.6	20.4	21.8	15.7	15.4	9.9	5.2	3.7
B.8 Sense organ diseases	0.1	0.2	0.2	0.3	0.4	0.5	0.4	0.4
<i>C. Injuries</i>	-	-	0.2	0.3	0.3	0.2	0.2	0.2
C.1 Transport injuries	-	-	0.1	0.1	0.1	0.1	0.1	0.0
C.2 Unintentional injuries	-	-	0.1	0.2	0.2	0.1	0.1	0.1
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S3: Number of YLD related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Saudi Arabia								
<i>All causes</i>	279.5	284.4	406.4	380.1	378.1	428.7	399.9	263.2
<i>A. Communicable diseases</i>	1.9	1.7	1.6	1.4	1.2	1.2	1.0	0.8
A.1 Respiratory infections & tuberculosis	1.9	1.7	1.6	1.4	1.2	1.2	1.0	0.8
Tuberculosis	0.8	0.9	0.7	0.6	0.6	0.6	0.5	0.5
Lower respiratory infections	1.1	0.9	1.0	0.8	0.6	0.6	0.5	0.3
<i>B. Non-communicable diseases</i>	277.6	282.6	400.4	373.8	368.4	418.1	390.2	254.3
B.1 Neoplasms	2.0	1.1	1.8	2.7	3.2	4.4	4.2	2.7
Esophageal cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Larynx cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Tracheal, bronchus, and lung cancer	0.0	0.0	0.1	0.1	0.2	0.4	0.5	0.4
Breast cancer	1.2	0.3	0.6	1.0	1.0	1.5	1.4	0.8
Cervical cancer	0.3	0.5	0.6	0.7	0.6	0.5	0.3	0.1
Colon and rectum cancer	0.1	0.0	0.1	0.2	0.3	0.4	0.4	0.3
Lip and oral cavity cancer	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.2
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Pancreatic cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Bladder cancer	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.2
Leukemia	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2
B.2 Cardiovascular diseases	18.0	22.4	43.5	55.0	66.6	80.1	89.8	54.6
Ischemic heart disease	5.2	7.6	17.2	22.3	25.9	28.3	31.5	19.2
Stroke	12.5	14.2	25.8	31.9	39.2	48.6	54.3	31.5
Atrial fibrillation and flutter	0.3	0.6	0.6	0.8	1.2	1.9	1.9	1.8
Peripheral artery disease	-	-	0.0	0.0	0.4	1.3	2.1	2.0
B.3 Chronic respiratory diseases	43.8	30.8	50.2	52.5	57.7	84.3	87.4	65.2
Chronic obstructive pulmonary disease	32.7	20.7	37.4	42.1	48.9	74.5	78.8	59.7
Asthma	11.1	10.1	12.8	10.4	8.9	9.8	8.6	5.5
B.4 Digestive diseases	2.4	2.6	3.9	3.5	2.9	2.9	2.2	1.2
B.5 Neurological disorders	1.0	1.1	1.1	1.5	1.9	2.7	4.5	5.6
B.6 Diabetes mellitus	21.6	39.6	43.5	47.6	61.1	61.0	45.9	28.9
B.7 Musculoskeletal disorders	187.9	183.6	253.2	206.8	170.0	174.6	145.5	85.8
Rheumatoid arthritis	2.2	4.0	4.5	5.0	6.5	6.6	5.0	3.1
Low back pain	185.7	179.6	248.8	201.8	163.5	167.9	140.5	82.7
B.8 Sense organ diseases	0.9	1.5	3.1	4.0	5.0	8.1	10.7	10.3
<i>C. Injuries</i>	-	-	4.3	4.9	8.5	9.4	8.7	8.1
C.1 Transport injuries	-	-	2.0	1.8	3.1	2.9	2.2	1.8
C.2 Unintentional injuries	-	-	2.4	3.1	5.4	6.5	6.5	6.3
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.1	0.0	0.0	0.0

Table S3: Number of YLD related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
UAE								
<i>All causes</i>	182.3	202.1	292.6	294.8	146.8	109.7	62.6	61.9
<i>A. Communicable diseases</i>	0.9	0.8	0.7	0.5	0.2	0.1	0.1	0.1
A.1 Respiratory infections & tuberculosis	0.9	0.8	0.7	0.5	0.2	0.1	0.1	0.1
Tuberculosis	0.2	0.4	0.3	0.1	0.1	0.0	0.1	0.0
Lower respiratory infections	0.6	0.4	0.4	0.4	0.1	0.1	0.0	0.1
<i>B. Non-communicable diseases</i>	181.4	201.3	286.2	291.9	144.2	108.9	60.6	60.9
B.1 Neoplasms	0.7	1.3	1.4	2.7	1.8	2.8	1.8	1.2
Esophageal cancer	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Larynx cancer	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1
Tracheal, bronchus, and lung cancer	0.0	0.0	0.0	0.2	0.2	0.4	0.2	0.2
Breast cancer	0.1	0.1	0.4	1.0	0.6	0.7	0.3	0.2
Cervical cancer	0.5	0.8	0.5	0.6	0.3	0.6	0.4	0.2
Colon and rectum cancer	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.1
Lip and oral cavity cancer	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Kidney cancer	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Bladder cancer	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.1
Leukemia	0.0	0.0	0.1	0.2	0.1	0.2	0.1	0.1
B.2 Cardiovascular diseases	17.1	19.1	36.8	54.2	29.5	23.8	10.7	13.0
Ischemic heart disease	3.4	4.3	9.4	13.9	7.4	5.4	2.4	3.0
Stroke	13.5	14.1	26.7	39.8	21.5	17.8	7.5	9.1
Atrial fibrillation and flutter	0.2	0.7	0.7	0.4	0.4	0.2	0.5	0.3
Peripheral artery disease	-	-	0.0	0.0	0.2	0.4	0.3	0.5
B.3 Chronic respiratory diseases	33.4	33.6	56.6	70.2	34.3	33.5	13.2	19.5
Chronic obstructive pulmonary disease	16.4	20.0	38.8	52.1	27.2	27.8	11.2	16.7
Asthma	17.0	13.6	17.8	18.1	7.2	5.7	2.1	2.8
B.4 Digestive diseases	1.6	1.5	2.3	2.4	1.0	0.7	0.3	0.3
B.5 Neurological disorders	2.6	3.7	1.3	1.1	0.6	0.9	0.6	1.3
B.6 Diabetes mellitus	14.1	44.5	52.2	27.3	24.7	8.8	19.1	7.1
B.7 Musculoskeletal disorders	111.3	96.8	133.9	131.0	50.4	36.1	13.7	16.1
Rheumatoid arthritis	1.6	4.6	5.2	2.6	2.2	0.7	1.5	0.5
Low back pain	109.7	92.2	128.7	128.4	48.3	35.4	12.2	15.5
B.8 Sense organ diseases	0.6	0.9	1.9	3.1	1.9	2.3	1.2	2.3
<i>C. Injuries</i>	-	-	5.7	2.4	2.3	0.7	1.9	1.0
C.1 Transport injuries	-	-	2.6	0.9	0.9	0.2	0.6	0.3
C.2 Unintentional injuries	-	-	3.0	1.4	1.4	0.4	1.3	0.7
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Source: GBD Study, IHME

Table S4: Number of deaths related to smoking, by age and disease, men

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Bahrain								
<i>All causes</i>	3.2	7.1	12.8	19.3	26.4	34.7	48.3	32.8
<i>A. Communicable diseases</i>	0.3	0.5	0.6	0.6	0.8	1.1	1.6	1.3
A.1 Respiratory infections & tuberculosis	0.3	0.5	0.6	0.6	0.8	1.1	1.6	1.3
Tuberculosis	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2
Lower respiratory infections	0.2	0.3	0.5	0.4	0.6	1.0	1.4	1.1
<i>B. Non-communicable diseases</i>	2.9	6.6	12.0	18.6	25.5	33.5	46.6	31.5
B.1 Neoplasms	0.3	0.8	1.7	3.2	5.2	8.7	14.1	10.1
Esophageal cancer	0.0	0.0	0.1	0.2	0.3	0.5	0.5	0.3
Stomach cancer	0.0	0.0	0.1	0.1	0.2	0.4	0.5	0.4
Liver cancer	0.0	0.0	0.1	0.1	0.2	0.4	0.5	0.3
Larynx cancer	0.0	0.0	0.1	0.1	0.2	0.3	0.6	0.3
Tracheal, bronchus, and lung cancer	0.1	0.2	0.6	1.4	2.4	4.2	7.8	5.8
Prostate cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Colon and rectum cancer	0.0	0.1	0.1	0.3	0.4	0.6	1.0	0.6
Lip and oral cavity cancer	0.0	0.0	0.1	0.1	0.2	0.4	0.4	0.2
Nasopharynx cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Pancreatic cancer	0.0	0.0	0.1	0.2	0.3	0.5	0.5	0.4
Kidney cancer	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2
Bladder cancer	0.0	0.0	0.1	0.1	0.3	0.4	0.9	0.7
Leukemia	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.5
B.2 Cardiovascular diseases	2.5	5.4	9.3	13.4	16.9	18.9	22.5	12.3
Ischemic heart disease	2.0	4.4	7.7	11.6	14.9	16.6	19.5	10.2
Stroke	0.4	0.9	1.4	1.4	1.6	1.7	2.3	1.4
Atrial fibrillation and flutter	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Aortic aneurysm	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.2
Peripheral artery disease	-	-	0.0	0.1	0.1	0.2	0.2	0.2
B.3 Chronic respiratory diseases	0.1	0.1	0.2	0.4	0.7	1.2	2.6	2.9
Chronic obstructive pulmonary disease	0.0	0.0	0.1	0.2	0.5	1.0	2.4	2.7
Asthma	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2
B.4 Digestive diseases	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2
B.5 Neurological disorders	0.0	0.0	0.0	0.1	0.2	0.3	0.6	0.7
B.6 Diabetes mellitus	0.1	0.2	0.6	1.5	2.4	4.2	6.6	5.4
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.1	0.1	0.1	0.1	0.1	0.1
C.1 Transport injuries	-	-	0.1	0.1	0.1	0.1	0.1	0.0
C.2 Unintentional injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.3 Self-harm & interpersonal violence	-	-	0.0	0.0	0.0	0.0	0.0	0.0

Table S4: Number of deaths related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Kuwait								
<i>All causes</i>	31.3	49.6	72.8	101.2	120.0	98.3	96.4	65.9
<i>A. Communicable diseases</i>	2.4	3.3	3.0	3.0	4.7	4.6	5.0	5.0
A.1 Respiratory infections & tuberculosis	2.4	3.3	3.0	3.0	4.7	4.6	5.0	5.0
Tuberculosis	0.2	0.3	0.2	0.3	0.2	0.3	0.3	0.2
Lower respiratory infections	2.1	3.0	2.7	2.7	4.5	4.4	4.8	4.8
<i>B. Non-communicable diseases</i>	28.9	46.3	69.1	97.5	114.9	93.4	91.1	60.7
B.1 Neoplasms	1.1	2.8	5.4	9.7	14.8	17.5	21.5	19.2
Esophageal cancer	0.1	0.2	0.3	0.5	0.7	0.8	0.8	0.5
Stomach cancer	0.0	0.1	0.2	0.4	0.5	0.6	0.6	0.5
Liver cancer	0.0	0.1	0.3	0.7	1.2	1.5	2.0	1.4
Larynx cancer	0.0	0.2	0.2	0.3	0.5	0.6	0.9	0.7
Tracheal, bronchus, and lung cancer	0.2	0.7	1.9	3.7	6.2	8.1	10.2	10.2
Prostate cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4
Colon and rectum cancer	0.1	0.2	0.5	0.8	1.2	1.3	1.7	1.3
Lip and oral cavity cancer	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.3
Nasopharynx cancer	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1
Other pharynx cancer	0.0	0.1	0.1	0.2	0.3	0.2	0.3	0.1
Pancreatic cancer	0.0	0.1	0.3	0.6	0.9	1.2	1.0	0.9
Kidney cancer	0.0	0.1	0.1	0.2	0.3	0.5	0.4	0.3
Bladder cancer	0.1	0.2	0.3	0.6	0.7	0.9	1.3	1.6
Leukemia	0.4	0.7	1.0	1.2	1.5	1.1	1.6	1.2
B.2 Cardiovascular diseases	27.2	42.6	62.6	85.5	96.6	71.8	63.8	35.0
Ischemic heart disease	23.7	37.6	54.4	75.5	85.1	63.5	54.1	28.1
Stroke	3.0	4.3	7.4	9.2	9.9	7.3	8.2	5.8
Atrial fibrillation and flutter	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1
Aortic aneurysm	0.4	0.7	0.7	0.7	1.5	0.9	1.2	0.9
Peripheral artery disease	-	-	0.0	0.0	0.0	0.0	0.0	0.1
B.3 Chronic respiratory diseases	0.3	0.4	0.5	0.9	1.5	1.8	2.6	2.8
Chronic obstructive pulmonary disease	0.2	0.2	0.4	0.7	1.3	1.6	2.4	2.7
Asthma	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1
B.4 Digestive diseases	0.1	0.1	0.2	0.2	0.4	0.3	0.3	0.3
B.5 Neurological disorders	0.0	0.1	0.1	0.2	0.5	0.7	1.2	1.7
B.6 Diabetes mellitus	0.2	0.2	0.3	1.0	1.2	1.3	1.6	1.6
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.8	0.7	0.4	0.3	0.3	0.2
C.1 Transport injuries	-	-	0.6	0.5	0.3	0.3	0.2	0.2
C.2 Unintentional injuries	-	-	0.1	0.1	0.1	0.1	0.1	0.0
C.3 Self-harm & interpersonal violence	-	-	0.0	0.0	0.0	0.0	0.0	0.0

Table S4: Number of deaths related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Oman								
<i>All causes</i>	19.9	27.8	42.5	67.7	94.0	124.5	114.3	83.2
<i>A. Communicable diseases</i>	2.1	1.9	2.1	2.6	2.7	4.6	5.4	5.3
A.1 Respiratory infections & tuberculosis	2.1	1.9	2.1	2.6	2.7	4.6	5.4	5.3
Tuberculosis	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2
Lower respiratory infections	1.8	1.7	1.9	2.4	2.5	4.3	5.1	5.1
<i>B. Non-communicable diseases</i>	17.8	25.9	39.2	64.1	90.5	119.2	108.6	77.6
B.1 Neoplasms	1.0	2.4	4.6	8.7	13.7	21.6	20.8	16.6
Esophageal cancer	0.1	0.2	0.5	0.9	1.4	2.0	1.6	1.3
Stomach cancer	0.1	0.2	0.3	0.6	1.0	1.6	1.8	1.5
Liver cancer	0.1	0.2	0.3	0.7	1.1	1.8	1.5	1.1
Larynx cancer	0.1	0.1	0.3	0.7	1.0	1.4	1.1	0.8
Tracheal, bronchus, and lung cancer	0.2	0.6	1.2	2.7	4.8	8.0	8.8	7.3
Prostate cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
Colon and rectum cancer	0.0	0.1	0.3	0.5	0.7	1.1	1.1	0.8
Lip and oral cavity cancer	0.1	0.1	0.3	0.6	0.8	1.2	0.8	0.5
Nasopharynx cancer	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1
Other pharynx cancer	0.0	0.0	0.1	0.2	0.4	0.5	0.4	0.2
Pancreatic cancer	0.0	0.1	0.2	0.3	0.5	0.9	0.9	0.7
Kidney cancer	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.2
Bladder cancer	0.0	0.1	0.1	0.3	0.5	0.8	0.8	0.8
Leukemia	0.4	0.6	0.7	0.9	1.1	1.5	1.3	1.0
B.2 Cardiovascular diseases	16.3	22.8	33.5	53.1	72.8	90.7	79.4	51.9
Ischemic heart disease	13.3	18.7	28.6	45.9	63.8	76.6	65.7	42.9
Stroke	2.3	3.3	4.2	6.3	7.6	12.0	11.9	7.5
Atrial fibrillation and flutter	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Aortic aneurysm	0.6	0.8	0.8	0.9	1.3	1.8	1.6	1.2
Peripheral artery disease	-	-	0.0	0.0	0.1	0.1	0.1	0.1
B.3 Chronic respiratory diseases	0.1	0.2	0.2	0.5	0.9	2.0	3.3	4.3
Chronic obstructive pulmonary disease	0.0	0.0	0.1	0.2	0.6	1.4	2.6	3.6
Asthma	0.1	0.1	0.1	0.2	0.3	0.6	0.7	0.7
B.4 Digestive diseases	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2
B.5 Neurological disorders	0.1	0.1	0.1	0.1	0.4	0.9	1.3	1.9
B.6 Diabetes mellitus	0.3	0.4	0.6	1.5	2.5	3.7	3.6	2.8
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	1.1	1.0	0.8	0.6	0.4	0.3
C.1 Transport injuries	-	-	1.1	0.9	0.8	0.6	0.3	0.2
C.2 Unintentional injuries	-	-	0.0	0.1	0.1	0.1	0.1	0.0
C.3 Self-harm & interpersonal violence	-	-	0.0	0.0	0.0	0.0	0.0	0.0

Table S4: Number of deaths related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Qatar								
<i>All causes</i>	5.2	8.3	12.6	29.4	34.1	41.3	43.7	28.0
<i>A. Communicable diseases</i>	0.7	0.8	0.7	1.0	0.7	1.2	1.5	1.1
A.1 Respiratory infections & tuberculosis	0.7	0.8	0.7	1.0	0.7	1.2	1.5	1.1
Tuberculosis	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Lower respiratory infections	0.6	0.7	0.6	0.9	0.6	1.0	1.3	1.0
<i>B. Non-communicable diseases</i>	4.5	7.5	11.4	27.8	32.9	39.7	41.9	26.8
B.1 Neoplasms	0.4	0.9	1.7	5.6	7.8	12.1	14.7	10.6
Esophageal cancer	0.0	0.1	0.2	0.4	0.5	0.6	0.4	0.3
Stomach cancer	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.4
Liver cancer	0.0	0.0	0.1	0.3	0.6	1.1	1.3	1.1
Larynx cancer	0.0	0.1	0.1	0.3	0.4	0.6	0.5	0.5
Tracheal, bronchus, and lung cancer	0.1	0.3	0.6	2.7	3.9	6.0	8.4	5.3
Prostate cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
Colon and rectum cancer	0.0	0.1	0.1	0.3	0.4	0.6	0.7	0.7
Lip and oral cavity cancer	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.2
Nasopharynx cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Other pharynx cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
Pancreatic cancer	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.5
Kidney cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
Bladder cancer	0.0	0.0	0.1	0.2	0.2	0.5	0.4	0.4
Leukemia	0.2	0.2	0.3	0.6	0.6	0.9	0.8	0.6
B.2 Cardiovascular diseases	3.8	6.3	9.2	20.7	22.6	23.0	21.4	11.3
Ischemic heart disease	2.7	4.5	7.0	16.6	19.1	19.5	18.6	9.6
Stroke	1.0	1.6	2.0	3.8	3.0	2.9	2.2	1.3
Atrial fibrillation and flutter	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Aortic aneurysm	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3
Peripheral artery disease	-	-	0.0	0.0	0.0	0.0	0.0	0.0
B.3 Chronic respiratory diseases	0.1	0.2	0.2	0.5	0.7	1.1	1.8	1.9
Chronic obstructive pulmonary disease	0.1	0.1	0.2	0.5	0.6	1.1	1.8	1.9
Asthma	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
B.4 Digestive diseases	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
B.5 Neurological disorders	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.8
B.6 Diabetes mellitus	0.1	0.1	0.2	0.8	1.5	3.0	3.2	2.1
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.6	0.6	0.4	0.4	0.3	0.1
C.1 Transport injuries	-	-	0.5	0.4	0.3	0.4	0.2	0.1
C.2 Unintentional injuries	-	-	0.1	0.1	0.1	0.1	0.1	0.0
C.3 Self-harm & interpersonal violence	-	-	0.0	0.0	0.0	0.0	0.0	0.0

Table S4: Number of deaths related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Saudi Arabia								
<i>All causes</i>	100.1	210.1	393.6	569.1	716.9	670.5	728.7	653.0
<i>A. Communicable diseases</i>	16.3	25.2	29.8	31.3	35.0	34.9	40.8	40.0
A.1 Respiratory infections & tuberculosis	16.3	25.2	29.8	31.3	35.0	34.9	40.8	40.0
Tuberculosis	4.0	6.3	6.8	6.7	5.6	4.8	6.5	3.8
Lower respiratory infections	12.3	18.9	23.0	24.7	29.4	30.1	34.4	36.2
<i>B. Non-communicable diseases</i>	83.7	184.9	349.1	526.3	674.3	629.7	681.8	609.6
B.1 Neoplasms	5.6	17.2	38.1	72.1	103.4	136.4	159.8	178.2
Esophageal cancer	0.4	1.3	3.0	4.8	6.2	7.7	9.1	6.2
Stomach cancer	0.2	0.7	1.5	2.8	4.3	5.1	5.7	6.3
Liver cancer	0.2	0.6	1.5	3.8	6.1	10.1	13.6	16.0
Larynx cancer	0.3	1.2	2.7	4.6	6.3	7.9	6.6	6.0
Tracheal, bronchus, and lung cancer	0.8	3.9	11.0	25.6	39.8	56.2	76.0	90.3
Prostate cancer	0.1	0.1	0.1	0.3	0.6	1.0	1.6	2.5
Colon and rectum cancer	0.5	1.4	3.0	6.1	8.9	11.3	12.0	13.9
Lip and oral cavity cancer	0.3	1.0	2.5	4.1	4.8	5.5	5.2	5.0
Nasopharynx cancer	0.2	0.9	2.2	3.7	4.7	4.4	3.4	2.6
Other pharynx cancer	0.1	0.4	1.0	1.6	2.2	2.6	2.2	2.0
Pancreatic cancer	0.2	0.7	1.7	3.4	5.1	6.8	7.1	8.0
Kidney cancer	0.1	0.3	0.5	1.1	1.8	2.3	2.2	2.7
Bladder cancer	0.2	0.5	1.4	2.4	3.5	5.5	5.1	5.5
Leukemia	2.0	4.3	5.8	7.8	9.0	9.9	10.0	11.2
B.2 Cardiovascular diseases	75.1	160.6	298.7	431.9	534.3	444.2	452.0	347.6
Ischemic heart disease	56.9	126.6	245.5	362.6	449.4	367.8	366.1	274.6
Stroke	16.7	30.7	48.9	64.1	78.4	69.2	78.1	65.7
Atrial fibrillation and flutter	0.0	0.0	0.2	0.3	0.3	0.4	0.6	0.6
Aortic aneurysm	1.6	3.2	4.0	4.7	6.0	6.5	7.0	6.2
Peripheral artery disease	-	-	0.1	0.2	0.2	0.3	0.3	0.6
B.3 Chronic respiratory diseases	1.7	4.5	7.3	12.4	23.0	30.1	44.0	55.2
Chronic obstructive pulmonary disease	0.7	2.8	5.3	10.0	19.7	27.2	41.3	52.4
Asthma	1.0	1.7	2.0	2.3	3.3	2.9	2.7	2.8
B.4 Digestive diseases	0.4	0.6	0.9	1.0	1.1	1.3	1.4	1.4
B.5 Neurological disorders	0.2	0.3	0.6	1.1	2.9	4.8	8.7	17.0
B.6 Diabetes mellitus	0.7	1.7	3.5	7.8	9.6	12.8	15.8	10.2
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	14.7	11.5	7.7	5.9	6.0	3.4
C.1 Transport injuries	-	-	12.7	9.0	5.9	4.2	3.6	1.9
C.2 Unintentional injuries	-	-	1.9	2.5	1.8	1.6	2.4	1.5
C.3 Self-harm & interpersonal violence	-	-	0.1	0.0	0.0	0.0	0.0	0.0

Table S4: Number of deaths related to smoking, by age and disease, men (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
UAE								
<i>All causes</i>	47.3	139.4	282.9	371.0	382.6	282.6	420.9	119.8
<i>A. Communicable diseases</i>	4.8	8.6	9.7	9.5	8.2	7.9	17.5	7.6
A.1 Respiratory infections & tuberculosis	4.8	8.6	9.7	9.5	8.2	7.9	17.5	7.6
Tuberculosis	1.5	2.8	2.3	2.0	1.5	1.0	1.3	0.4
Lower respiratory infections	3.3	5.8	7.4	7.5	6.7	6.9	16.3	7.3
<i>B. Non-communicable diseases</i>	42.5	130.8	264.6	356.0	370.5	272.0	401.3	111.5
B.1 Neoplasms	4.7	20.2	40.9	61.2	72.4	78.9	116.4	35.8
Esophageal cancer	0.9	3.9	8.8	12.0	15.2	14.2	15.4	4.8
Stomach cancer	0.1	0.6	1.3	2.0	2.3	3.0	5.9	2.0
Liver cancer	0.1	0.7	1.7	2.8	3.2	3.6	5.2	1.6
Larynx cancer	0.9	3.1	5.6	8.5	10.2	7.6	8.6	2.5
Tracheal, bronchus, and lung cancer	0.6	3.5	8.6	15.2	19.9	28.5	50.6	14.8
Prostate cancer	0.1	0.1	0.1	0.2	0.3	0.4	0.8	0.3
Colon and rectum cancer	0.2	1.0	2.0	3.0	3.1	4.2	6.4	2.1
Lip and oral cavity cancer	0.2	1.0	2.0	2.6	2.4	2.3	2.7	0.7
Nasopharynx cancer	0.1	0.3	0.6	0.9	0.7	0.6	0.6	0.1
Other pharynx cancer	0.1	0.4	0.9	1.4	1.5	1.3	1.7	0.5
Pancreatic cancer	0.1	0.9	2.2	3.6	3.9	4.0	5.7	1.7
Kidney cancer	0.1	0.3	0.6	1.0	1.1	1.1	1.4	0.4
Bladder cancer	0.4	1.2	2.3	3.7	4.8	4.2	5.4	2.0
Leukemia	0.9	3.0	4.1	4.3	3.6	3.9	6.1	2.1
B.2 Cardiovascular diseases	28.4	83.1	178.2	228.4	229.0	141.2	209.7	51.6
Ischemic heart disease	20.0	55.7	135.0	175.0	177.7	107.0	153.0	37.8
Stroke	7.1	24.4	38.9	49.0	46.7	30.6	51.4	12.1
Atrial fibrillation and flutter	0.0	0.0	0.2	0.2	0.2	0.3	0.3	0.1
Aortic aneurysm	1.2	3.0	3.9	3.9	4.0	3.0	4.6	1.3
Peripheral artery disease	-	-	0.1	0.3	0.3	0.3	0.4	0.2
B.3 Chronic respiratory diseases	8.6	25.6	41.7	57.3	56.4	37.7	54.4	16.2
Chronic obstructive pulmonary disease	4.7	17.2	31.6	47.2	48.6	33.4	49.0	14.7
Asthma	4.0	8.4	10.1	10.2	7.8	4.2	5.4	1.5
B.4 Digestive diseases	0.2	0.6	1.0	1.2	1.4	0.8	1.4	0.3
B.5 Neurological disorders	0.3	0.5	0.6	0.8	1.7	1.9	5.0	2.9
B.6 Diabetes mellitus	0.3	0.8	2.2	6.9	9.5	11.6	14.4	4.7
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	8.6	5.5	3.9	2.7	2.1	0.7
C.1 Transport injuries	-	-	7.4	4.6	3.3	2.2	1.8	0.6
C.2 Unintentional injuries	-	-	1.2	0.9	0.6	0.4	0.4	0.1
C.3 Self-harm & interpersonal violence	-	-	0.0	0.0	0.0	0.0	0.0	0.0

Source: GBD Study, IHME

Table S5: Number of deaths related to smoking, by age and disease, women

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Bahrain								
<i>All causes</i>	0.1	0.2	0.3	0.8	2.2	3.5	5.4	5.6
<i>A. Communicable diseases</i>	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
A.1 Respiratory infections & tuberculosis	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
Tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lower respiratory infections	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
<i>B. Non-communicable diseases</i>	0.1	0.2	0.3	0.7	2.1	3.4	5.2	5.4
B.1 Neoplasms	0.0	0.0	0.1	0.2	0.4	0.8	1.0	1.0
Esophageal cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Larynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tracheal, bronchus, and lung cancer	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5
Breast cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Cervical cancer	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1
Colon and rectum cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lip and oral cavity cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leukemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	0.1	0.1	0.2	0.5	1.4	1.8	2.9	2.9
Ischemic heart disease	0.0	0.1	0.1	0.4	1.2	1.5	2.4	2.4
Stroke	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.4
Atrial fibrillation and flutter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aortic aneurysm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peripheral artery disease	-	-	0.0	0.0	0.0	0.0	0.0	0.0
B.3 Chronic respiratory diseases	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4
Chronic obstructive pulmonary disease	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3
Asthma	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
B.4 Digestive diseases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.5 Neurological disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
B.6 Diabetes mellitus	0.0	0.0	0.0	0.1	0.2	0.6	0.9	1.0
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.1 Transport injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.2 Unintentional injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S5: Number of deaths related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Kuwait								
<i>All causes</i>	1.0	1.4	2.3	3.1	4.3	3.1	4.9	4.0
<i>A. Communicable diseases</i>	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5
A.1 Respiratory infections & tuberculosis	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5
Tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lower respiratory infections	0.1	0.1	0.2	0.1	0.3	0.2	0.4	0.5
<i>B. Non-communicable diseases</i>	0.8	1.3	2.1	3.0	4.0	2.9	4.5	3.5
B.1 Neoplasms	0.1	0.2	0.4	0.6	0.8	0.8	1.1	0.9
Esophageal cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Larynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tracheal, bronchus, and lung cancer	0.0	0.0	0.1	0.2	0.3	0.2	0.4	0.4
Breast cancer	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Cervical cancer	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Colon and rectum cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Lip and oral cavity cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leukemia	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1
B.2 Cardiovascular diseases	0.7	1.0	1.6	2.2	3.0	1.7	3.0	2.1
Ischemic heart disease	0.5	0.7	1.1	1.6	2.4	1.4	2.4	1.6
Stroke	0.2	0.3	0.5	0.5	0.5	0.3	0.5	0.4
Atrial fibrillation and flutter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aortic aneurysm	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0
Peripheral artery disease	-	-	0.0	0.0	0.0	0.0	0.0	0.0
B.3 Chronic respiratory diseases	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2
Chronic obstructive pulmonary disease	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Asthma	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.4 Digestive diseases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.5 Neurological disorders	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
B.6 Diabetes mellitus	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.1 Transport injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.2 Unintentional injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S5: Number of deaths related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Oman								
<i>All causes</i>	0.7	1.2	2.1	4.6	7.3	9.2	11.5	10.4
<i>A. Communicable diseases</i>	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5
A.1 Respiratory infections & tuberculosis	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5
Tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lower respiratory infections	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.5
<i>B. Non-communicable diseases</i>	0.6	1.2	2.0	4.5	7.2	8.9	11.1	9.8
B.1 Neoplasms	0.0	0.1	0.3	0.6	0.8	1.1	1.3	1.2
Esophageal cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Larynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tracheal, bronchus, and lung cancer	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.4
Breast cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Cervical cancer	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Colon and rectum cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Lip and oral cavity cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Leukemia	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
B.2 Cardiovascular diseases	0.6	1.0	1.6	3.7	6.0	7.2	9.0	7.3
Ischemic heart disease	0.4	0.7	1.2	2.9	4.9	6.0	7.7	6.0
Stroke	0.1	0.2	0.3	0.7	1.0	1.1	1.3	1.2
Atrial fibrillation and flutter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aortic aneurysm	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
Peripheral artery disease	-	-	0.0	0.0	0.0	0.0	0.0	0.0
B.3 Chronic respiratory diseases	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3
Chronic obstructive pulmonary disease	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
Asthma	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
B.4 Digestive diseases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.5 Neurological disorders	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
B.6 Diabetes mellitus	0.0	0.0	0.1	0.1	0.2	0.4	0.4	0.8
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.1 Transport injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.2 Unintentional injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S5: Number of deaths related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Qatar								
<i>All causes</i>	0.1	0.1	0.3	0.4	1.1	1.4	1.5	1.5
<i>A. Communicable diseases</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
A.1 Respiratory infections & tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lower respiratory infections	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
<i>B. Non-communicable diseases</i>	0.1	0.1	0.3	0.4	1.0	1.4	1.4	1.4
B.1 Neoplasms	0.0	0.0	0.1	0.1	0.3	0.5	0.4	0.4
Esophageal cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stomach cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Larynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tracheal, bronchus, and lung cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Breast cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Cervical cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Colon and rectum cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lip and oral cavity cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leukemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	0.1	0.1	0.2	0.3	0.6	0.7	0.8	0.7
Ischemic heart disease	0.0	0.0	0.1	0.2	0.5	0.6	0.7	0.6
Stroke	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Atrial fibrillation and flutter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aortic aneurysm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peripheral artery disease	-	-	0.0	0.0	0.0	0.0	0.0	0.0
B.3 Chronic respiratory diseases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Chronic obstructive pulmonary disease	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Asthma	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.4 Digestive diseases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.5 Neurological disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
B.6 Diabetes mellitus	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.1 Transport injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.2 Unintentional injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S5: Number of deaths related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Saudi Arabia								
<i>All causes</i>	3.9	4.9	12.4	18.6	27.3	40.4	53.8	39.8
<i>A. Communicable diseases</i>	0.6	0.8	1.2	1.4	1.9	2.6	3.2	2.9
A.1 Respiratory infections & tuberculosis	0.6	0.8	1.2	1.4	1.9	2.6	3.2	2.9
Tuberculosis	0.1	0.3	0.2	0.3	0.4	0.4	0.4	0.4
Lower respiratory infections	0.5	0.5	1.0	1.1	1.5	2.1	2.8	2.5
<i>B. Non-communicable diseases</i>	3.3	4.1	11.0	17.0	25.1	37.6	50.3	36.6
B.1 Neoplasms	0.7	0.5	1.1	2.1	3.1	5.0	5.6	4.6
Esophageal cancer	0.0	0.0	0.0	0.1	0.3	0.4	0.4	0.4
Stomach cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2
Liver cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3
Larynx cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Tracheal, bronchus, and lung cancer	0.1	0.1	0.2	0.4	0.7	1.4	1.7	1.6
Breast cancer	0.2	0.1	0.1	0.2	0.3	0.4	0.4	0.2
Cervical cancer	0.0	0.1	0.2	0.4	0.5	0.5	0.4	0.2
Colon and rectum cancer	0.1	0.0	0.1	0.2	0.2	0.4	0.4	0.3
Lip and oral cavity cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
Other pharynx cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
Pancreatic cancer	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.5
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Leukemia	0.2	0.1	0.2	0.2	0.3	0.5	0.5	0.3
B.2 Cardiovascular diseases	2.3	3.3	9.3	14.0	20.3	29.2	39.9	26.9
Ischemic heart disease	1.7	2.5	7.3	11.7	17.1	24.5	33.2	21.7
Stroke	0.6	0.8	2.0	2.3	3.1	4.5	6.5	5.1
Atrial fibrillation and flutter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aortic aneurysm	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Peripheral artery disease	-	-	0.0	0.0	0.0	0.0	0.0	0.0
B.3 Chronic respiratory diseases	0.2	0.1	0.3	0.5	0.9	2.0	3.0	3.2
Chronic obstructive pulmonary disease	0.1	0.1	0.2	0.3	0.7	1.8	2.8	3.0
Asthma	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
B.4 Digestive diseases	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
B.5 Neurological disorders	0.0	0.0	0.0	0.1	0.1	0.3	0.6	0.8
B.6 Diabetes mellitus	0.0	0.1	0.2	0.3	0.6	1.0	1.1	0.9
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.2	0.2	0.3	0.3	0.3	0.3
C.1 Transport injuries	-	-	0.1	0.1	0.2	0.2	0.1	0.1
C.2 Unintentional injuries	-	-	0.0	0.1	0.1	0.1	0.2	0.2
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Table S5: Number of deaths related to smoking, by age and disease, women (continued)

	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
UAE								
<i>All causes</i>	1.9	2.2	4.8	10.3	9.1	11.7	10.6	13.3
<i>A. Communicable diseases</i>	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.7
A.1 Respiratory infections & tuberculosis	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.7
Tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Lower respiratory infections	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.6
<i>B. Non-communicable diseases</i>	1.7	2.0	4.5	10.0	8.8	11.5	10.2	12.6
B.1 Neoplasms	0.2	0.5	1.0	2.5	2.3	3.8	3.0	2.5
Esophageal cancer	0.0	0.1	0.1	0.2	0.3	0.2	0.6	0.3
Stomach cancer	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Liver cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Larynx cancer	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Tracheal, bronchus, and lung cancer	0.0	0.0	0.2	0.5	0.7	1.3	0.7	0.7
Breast cancer	0.0	0.0	0.1	0.4	0.3	0.4	0.1	0.1
Cervical cancer	0.1	0.2	0.2	0.4	0.2	0.6	0.7	0.4
Colon and rectum cancer	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.2
Lip and oral cavity cancer	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Nasopharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other pharynx cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pancreatic cancer	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.3
Kidney cancer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bladder cancer	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Leukemia	0.0	0.0	0.1	0.3	0.2	0.3	0.2	0.1
B.2 Cardiovascular diseases	1.4	1.3	2.9	6.6	5.6	6.2	5.2	7.8
Ischemic heart disease	0.6	0.4	1.1	2.9	3.6	4.3	3.8	5.8
Stroke	0.7	0.8	1.7	3.6	1.8	1.8	1.3	1.9
Atrial fibrillation and flutter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aortic aneurysm	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Peripheral artery disease	-	-	0.0	0.0	0.0	0.0	0.0	0.0
B.3 Chronic respiratory diseases	0.1	0.2	0.5	0.7	0.5	1.1	0.7	1.3
Chronic obstructive pulmonary disease	0.1	0.1	0.3	0.4	0.4	0.9	0.6	1.1
Asthma	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.2
B.4 Digestive diseases	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
B.5 Neurological disorders	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.4
B.6 Diabetes mellitus	0.0	0.1	0.1	0.1	0.3	0.2	1.1	0.6
B.7 Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>C. Injuries</i>	-	-	0.1	0.1	0.1	0.0	0.1	0.1
C.1 Transport injuries	-	-	0.1	0.1	0.1	0.0	0.1	0.1
C.2 Unintentional injuries	-	-	0.0	0.0	0.0	0.0	0.0	0.0
C.3 Self-harm & interpersonal violence	-	-	-	0.0	0.0	0.0	0.0	0.0

Source: GBD Study, IHME

Table S6: Number of YLD related to SHS exposure, by age and disease, men

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
<u>Bahrain</u>											
<i>All causes</i>	0.6	0.4	28.3	55.4	79.3	112.2	115.0	117.2	123.3	88.7	41.8
<i>A. Communicable diseases</i>	0.6	0.4	0.4	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1
A.1 Respiratory infections & tuberculosis	0.6	0.4	0.4	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1
Lower respiratory infections	0.6	0.4	0.4	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1
<i>B. Non-communicable diseases</i>	-	-	27.8	54.9	78.9	111.9	114.7	117.0	123.1	88.6	41.8
B.1 Neoplasms	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	1.1	2.0	2.8	4.1	4.5	4.9	5.3	3.9	1.8
Ischemic heart disease	-	-	0.1	0.3	0.6	1.0	1.2	1.1	1.1	0.8	0.4
Stroke	-	-	1.0	1.6	2.2	3.1	3.4	3.7	4.2	3.1	1.5
B.3 Chronic respiratory diseases	-	-	9.9	18.1	23.5	30.0	27.7	26.6	27.6	20.6	10.6
Chronic obstructive pulmonary disease	-	-	9.9	18.1	23.5	30.0	27.7	26.6	27.6	20.6	10.6
B.6 Diabetes mellitus	-	-	16.9	34.9	52.6	77.8	82.4	85.5	90.0	63.9	29.2
<u>Kuwait</u>											
<i>All causes</i>	1.8	1.5	99.4	138.7	150.5	163.3	183.3	179.4	151.2	121.0	79.8
<i>A. Communicable diseases</i>	1.8	1.5	1.6	1.4	0.9	0.7	0.6	0.5	0.4	0.3	0.3
A.1 Respiratory infections & tuberculosis	1.8	1.5	1.6	1.4	0.9	0.7	0.6	0.5	0.4	0.3	0.3
Lower respiratory infections	1.8	1.5	1.6	1.4	0.9	0.7	0.6	0.5	0.4	0.3	0.3
<i>B. Non-communicable diseases</i>	-	-	97.8	137.3	149.6	162.6	182.6	178.9	150.8	120.7	79.5
B.1 Neoplasms	-	-	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	4.0	5.1	5.8	6.9	9.1	10.2	9.6	8.1	5.6
Ischemic heart disease	-	-	0.4	0.8	1.2	1.6	2.2	2.2	1.9	1.5	1.1
Stroke	-	-	3.6	4.3	4.7	5.3	7.0	8.0	7.7	6.6	4.5
B.3 Chronic respiratory diseases	-	-	30.6	40.6	41.4	42.8	46.8	46.0	39.4	32.6	22.3
Chronic obstructive pulmonary disease	-	-	30.6	40.6	41.4	42.8	46.8	46.0	39.4	32.6	22.3
B.6 Diabetes mellitus	-	-	63.2	91.6	102.3	112.9	126.6	122.5	101.6	79.7	51.4

Table S6: Number of YLD related to SHS exposure, by age and disease, men (continued)

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Oman											
<i>All causes</i>	1.8	2.4	174.4	182.6	163.0	168.2	172.2	164.7	158.7	100.4	58.3
<i>A. Communicable diseases</i>	1.8	2.4	3.4	2.1	1.1	0.7	0.6	0.5	0.4	0.3	0.2
A.1 Respiratory infections & tuberculosis	1.8	2.4	3.4	2.1	1.1	0.7	0.6	0.5	0.4	0.3	0.2
Lower respiratory infections	1.8	2.4	3.4	2.1	1.1	0.7	0.6	0.5	0.4	0.3	0.2
<i>B. Non-communicable diseases</i>	-	-	171.0	180.5	162.0	167.5	171.6	164.2	158.3	100.2	58.1
B.1 Neoplasms	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	9.3	8.3	7.2	7.6	8.6	9.1	9.8	6.6	4.0
Ischemic heart disease	-	-	0.9	1.2	1.4	1.9	2.2	2.2	2.1	1.4	0.9
Stroke	-	-	8.4	7.1	5.7	5.7	6.4	6.9	7.7	5.3	3.1
B.3 Chronic respiratory diseases	-	-	44.0	43.2	35.4	33.9	32.8	30.6	30.4	20.5	13.1
Chronic obstructive pulmonary disease	-	-	44.0	43.2	35.4	33.9	32.8	30.6	30.4	20.5	13.1
B.6 Diabetes mellitus	-	-	117.8	129.0	119.3	126.0	130.1	124.5	117.9	72.8	40.9
Qatar											
<i>All causes</i>	0.6	1.4	129.8	155.9	139.8	120.5	173.4	139.5	140.7	84.3	41.6
<i>A. Communicable diseases</i>	0.6	1.4	1.5	1.0	0.5	0.3	0.3	0.2	0.2	0.1	0.0
A.1 Respiratory infections & tuberculosis	0.6	1.4	1.5	1.0	0.5	0.3	0.3	0.2	0.2	0.1	0.0
Lower respiratory infections	0.6	1.4	1.5	1.0	0.5	0.3	0.3	0.2	0.2	0.1	0.0
<i>B. Non-communicable diseases</i>	-	-	128.3	154.9	139.3	120.2	173.0	139.3	140.6	84.2	41.5
B.1 Neoplasms	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	4.6	4.8	4.4	4.0	6.5	5.7	6.1	3.7	1.8
Ischemic heart disease	-	-	0.4	0.7	0.8	0.8	1.4	1.2	1.1	0.6	0.3
Stroke	-	-	4.2	4.2	3.7	3.2	5.1	4.6	5.0	3.1	1.5
B.3 Chronic respiratory diseases	-	-	35.3	39.7	32.8	26.3	35.2	27.1	26.5	15.9	8.2
Chronic obstructive pulmonary disease	-	-	35.3	39.7	32.8	26.3	35.2	27.1	26.5	15.9	8.2
B.6 Diabetes mellitus	-	-	88.3	110.3	102.0	89.8	131.3	106.4	107.8	64.4	31.4

Table S6: Number of YLD related to SHS exposure, by age and disease, men (continued)

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
<u>Saudi Arabia</u>											
<i>All causes</i>	10.1	7.1	721.1	851.8	1,000.6	1,066.0	1,060.8	1,037.0	932.7	780.6	539.2
<i>A. Communicable diseases</i>	10.1	7.1	6.0	4.5	3.5	2.7	2.3	1.9	1.5	1.2	0.8
A.1 Respiratory infections & tuberculosis	10.1	7.1	6.0	4.5	3.5	2.7	2.3	1.9	1.5	1.2	0.8
Lower respiratory infections	10.1	7.1	6.0	4.5	3.5	2.7	2.3	1.9	1.5	1.2	0.8
<i>B. Non-communicable diseases</i>	-	-	715.2	847.3	997.2	1,063.3	1,058.5	1,035.1	931.2	779.4	538.3
B.1 Neoplasms	-	-	0.1	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.0
Tracheal, bronchus, and lung cancer	-	-	0.0	0.1	0.1	0.2	0.4	0.6	0.8	1.0	1.0
Breast cancer	-	-	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
B.2 Cardiovascular diseases	-	-	25.7	27.5	33.8	39.2	46.2	51.5	52.0	47.0	34.0
Ischemic heart disease	-	-	2.6	4.3	6.7	9.0	11.0	11.2	10.1	8.8	6.7
Stroke	-	-	23.1	23.2	27.2	30.2	35.2	40.3	41.9	38.2	27.3
B.3 Chronic respiratory diseases	-	-	105.1	122.9	140.0	147.7	148.0	152.1	145.5	132.6	100.5
Chronic obstructive pulmonary disease	-	-	105.1	122.9	140.0	147.7	148.0	152.1	145.5	132.6	100.5
B.6 Diabetes mellitus	-	-	584.3	696.9	823.2	876.1	863.8	830.8	732.8	598.7	402.8
<u>UAE</u>											
<i>All causes</i>	1.3	1.0	397.4	806.9	1,037.2	945.7	860.6	703.1	415.5	334.7	99.4
<i>A. Communicable diseases</i>	1.3	1.0	3.1	3.7	2.8	1.8	1.3	0.9	0.5	0.4	0.1
A.1 Respiratory infections & tuberculosis	1.3	1.0	3.1	3.7	2.8	1.8	1.3	0.9	0.5	0.4	0.1
Lower respiratory infections	1.3	1.0	3.1	3.7	2.8	1.8	1.3	0.9	0.5	0.4	0.1
<i>B. Non-communicable diseases</i>	-	-	394.3	803.2	1,034.4	944.0	859.2	702.3	415.0	334.3	99.3
B.1 Neoplasms	-	-	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.9	0.3
Tracheal, bronchus, and lung cancer	-	-	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.8	0.2
Breast cancer	-	-	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	14.9	27.4	35.2	33.6	33.7	30.8	20.5	17.8	5.7
Ischemic heart disease	-	-	1.0	2.8	4.6	5.2	5.4	4.3	2.5	2.0	0.7
Stroke	-	-	13.9	24.6	30.6	28.4	28.3	26.5	18.0	15.8	5.0
B.3 Chronic respiratory diseases	-	-	150.5	278.8	323.8	268.0	220.0	165.7	95.2	76.0	23.4
Chronic obstructive pulmonary disease	-	-	150.5	278.8	323.8	268.0	220.0	165.7	95.2	76.0	23.4
B.6 Diabetes mellitus	-	-	228.9	497.0	675.2	642.1	605.2	505.4	298.8	239.6	70.0

Source: GBD Study, IHME

Table S7: Number of YLD related to SHS exposure, by age and disease, women

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
<u>Bahrain</u>											
<i>All causes</i>	0.5	0.3	26.3	39.0	54.2	58.9	74.5	82.5	78.6	54.1	29.9
<i>A. Communicable diseases</i>	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0
A.1 Respiratory infections & tuberculosis	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0
Lower respiratory infections	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0
<i>B. Non-communicable diseases</i>	-	-	26.0	38.7	53.9	58.7	74.3	82.3	78.5	54.1	29.9
B.1 Neoplasms	-	-	0.0	0.2	0.3	0.4	0.6	0.6	0.6	0.3	0.2
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Breast cancer	-	-	0.0	0.2	0.3	0.4	0.6	0.6	0.5	0.3	0.2
B.2 Cardiovascular diseases	-	-	1.0	1.4	2.0	2.3	3.1	3.7	3.8	2.7	1.6
Ischemic heart disease	-	-	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.3	0.2
Stroke	-	-	1.0	1.3	1.8	2.0	2.7	3.2	3.3	2.4	1.3
B.3 Chronic respiratory diseases	-	-	13.3	17.9	21.3	19.6	20.7	20.1	17.9	12.2	7.2
Chronic obstructive pulmonary disease	-	-	13.3	17.9	21.3	19.6	20.7	20.1	17.9	12.2	7.2
B.6 Diabetes mellitus	-	-	11.6	19.2	30.3	36.4	49.9	57.9	56.3	38.8	20.9
<u>Kuwait</u>											
<i>All causes</i>	2.3	2.0	193.9	287.9	308.6	335.5	328.3	255.9	178.6	116.5	75.3
<i>A. Communicable diseases</i>	2.3	2.0	2.8	2.7	1.9	1.5	1.3	0.9	0.5	0.4	0.3
A.1 Respiratory infections & tuberculosis	2.3	2.0	2.8	2.7	1.9	1.5	1.3	0.9	0.5	0.4	0.3
Lower respiratory infections	2.3	2.0	2.8	2.7	1.9	1.5	1.3	0.9	0.5	0.4	0.3
<i>B. Non-communicable diseases</i>	-	-	191.1	285.1	306.7	334.0	327.0	255.0	178.1	116.1	75.0
B.1 Neoplasms	-	-	0.5	1.2	1.7	2.5	3.1	2.1	1.6	1.0	0.6
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Breast cancer	-	-	0.5	1.1	1.6	2.4	3.0	2.0	1.5	0.9	0.5
B.2 Cardiovascular diseases	-	-	9.7	13.1	14.3	16.8	19.2	17.5	14.0	9.9	6.7
Ischemic heart disease	-	-	0.6	1.2	1.6	2.2	2.6	2.2	1.7	1.2	0.8
Stroke	-	-	9.1	11.9	12.7	14.6	16.6	15.2	12.3	8.7	5.9
B.3 Chronic respiratory diseases	-	-	89.0	121.2	115.6	111.3	98.1	72.0	48.6	31.4	20.9
Chronic obstructive pulmonary disease	-	-	89.0	121.2	115.6	111.3	98.1	72.0	48.6	31.4	20.9
B.6 Diabetes mellitus	-	-	91.9	149.7	175.1	203.4	206.6	163.4	114.0	73.8	46.8

Table S7: Number of YLD related to SHS exposure, by age and disease, women (continued)

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Oman											
<i>All causes</i>	1.9	1.4	89.5	103.6	114.4	116.7	113.1	112.2	112.5	85.2	61.5
<i>A. Communicable diseases</i>	1.9	1.4	1.6	1.1	0.8	0.5	0.4	0.3	0.3	0.2	0.2
A.1 Respiratory infections & tuberculosis	1.9	1.4	1.6	1.1	0.8	0.5	0.4	0.3	0.3	0.2	0.2
Lower respiratory infections	1.9	1.4	1.6	1.1	0.8	0.5	0.4	0.3	0.3	0.2	0.2
<i>B. Non-communicable diseases</i>	-	-	87.9	102.5	113.7	116.2	112.7	111.9	112.2	85.0	61.3
B.1 Neoplasms	-	-	0.2	0.5	0.6	0.9	1.0	0.7	0.6	0.4	0.3
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Breast cancer	-	-	0.2	0.5	0.6	0.9	0.9	0.7	0.5	0.4	0.2
B.2 Cardiovascular diseases	-	-	5.0	5.1	5.3	5.3	5.6	6.3	7.3	6.1	4.7
Ischemic heart disease	-	-	0.3	0.4	0.6	0.7	0.8	0.9	1.0	0.8	0.7
Stroke	-	-	4.8	4.6	4.7	4.6	4.8	5.4	6.3	5.3	4.0
B.3 Chronic respiratory diseases	-	-	33.1	34.4	31.8	27.0	22.5	20.2	19.9	15.4	12.0
Chronic obstructive pulmonary disease	-	-	33.1	34.4	31.8	27.0	22.5	20.2	19.9	15.4	12.0
B.6 Diabetes mellitus	-	-	49.6	62.5	76.0	83.0	83.6	84.6	84.5	63.0	44.4
Qatar											
<i>All causes</i>	0.5	0.4	56.2	82.3	94.2	93.4	87.1	75.8	60.5	38.5	20.2
<i>A. Communicable diseases</i>	0.5	0.4	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0
A.1 Respiratory infections & tuberculosis	0.5	0.4	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0
Lower respiratory infections	0.5	0.4	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0
<i>B. Non-communicable diseases</i>	-	-	55.6	81.6	93.7	93.1	86.9	75.7	60.4	38.5	20.2
B.1 Neoplasms	-	-	0.1	0.4	0.7	1.0	0.9	1.1	0.9	0.5	0.3
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Breast cancer	-	-	0.1	0.4	0.7	1.0	0.9	1.0	0.8	0.5	0.3
B.2 Cardiovascular diseases	-	-	2.1	2.8	3.2	3.3	3.4	3.3	2.8	1.8	1.0
Ischemic heart disease	-	-	0.1	0.2	0.3	0.4	0.4	0.4	0.3	0.2	0.1
Stroke	-	-	2.0	2.6	2.9	3.0	3.0	2.9	2.5	1.6	0.9
B.3 Chronic respiratory diseases	-	-	22.3	29.4	28.8	24.4	19.5	15.0	11.0	6.7	3.6
Chronic obstructive pulmonary disease	-	-	22.3	29.4	28.8	24.4	19.5	15.0	11.0	6.7	3.6
B.6 Diabetes mellitus	-	-	31.1	49.0	60.9	64.4	63.1	56.3	45.8	29.4	15.3

Table S7: Number of YLD related to SHS exposure, by age and disease, women (continued)

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Saudi Arabia											
<i>All causes</i>	9.8	7.0	846.6	1,129.1	1,406.1	1,565.9	1,496.6	1,282.6	999.3	688.2	409.0
<i>A. Communicable diseases</i>	9.8	7.0	7.3	6.8	5.8	5.0	3.9	2.9	2.0	1.3	0.8
A.1 Respiratory infections & tuberculosis	9.8	7.0	7.3	6.8	5.8	5.0	3.9	2.9	2.0	1.3	0.8
Lower respiratory infections	9.8	7.0	7.3	6.8	5.8	5.0	3.9	2.9	2.0	1.3	0.8
<i>B. Non-communicable diseases</i>	-	-	839.3	1,122.3	1,400.2	1,560.9	1,492.7	1,279.7	997.3	686.9	408.1
B.1 Neoplasms	-	-	2.2	6.9	13.3	18.8	21.2	15.7	11.2	7.0	3.4
Tracheal, bronchus, and lung cancer	-	-	0.0	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.2
Breast cancer	-	-	2.1	6.8	13.0	18.5	20.8	15.3	10.8	6.7	3.2
B.2 Cardiovascular diseases	-	-	42.5	49.8	62.4	73.3	82.0	82.7	75.1	56.8	36.3
Ischemic heart disease	-	-	2.3	3.9	6.2	8.8	10.5	10.1	8.5	6.6	4.7
Stroke	-	-	40.3	45.8	56.2	64.5	71.4	72.6	66.5	50.2	31.6
B.3 Chronic respiratory diseases	-	-	230.8	287.6	316.1	310.6	270.6	224.8	176.7	128.0	82.3
Chronic obstructive pulmonary disease	-	-	230.8	287.6	316.1	310.6	270.6	224.8	176.7	128.0	82.3
B.6 Diabetes mellitus	-	-	563.8	778.0	1,008.5	1,158.2	1,118.8	956.5	734.3	495.1	286.2
UAE											
<i>All causes</i>	1.4	0.7	124.1	385.1	478.6	374.2	337.0	251.9	187.6	126.0	54.3
<i>A. Communicable diseases</i>	1.4	0.7	1.0	2.0	1.5	0.8	0.6	0.3	0.2	0.1	0.1
A.1 Respiratory infections & tuberculosis	1.4	0.7	1.0	2.0	1.5	0.8	0.6	0.3	0.2	0.1	0.1
Lower respiratory infections	1.4	0.7	1.0	2.0	1.5	0.8	0.6	0.3	0.2	0.1	0.1
<i>B. Non-communicable diseases</i>	-	-	123.1	383.1	477.1	373.4	336.4	251.6	187.4	125.9	54.2
B.1 Neoplasms	-	-	0.3	1.7	2.8	3.2	4.0	3.4	2.8	1.7	0.5
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.0
Breast cancer	-	-	0.2	1.7	2.7	3.1	3.9	3.2	2.6	1.5	0.4
B.2 Cardiovascular diseases	-	-	7.2	19.5	24.3	19.6	19.2	15.4	12.6	9.0	4.1
Ischemic heart disease	-	-	0.3	1.0	1.5	1.4	1.5	1.1	0.8	0.6	0.3
Stroke	-	-	7.0	18.5	22.8	18.2	17.7	14.3	11.7	8.4	3.8
B.3 Chronic respiratory diseases	-	-	45.8	128.9	138.9	93.8	73.7	50.3	36.1	24.4	11.2
Chronic obstructive pulmonary disease	-	-	45.8	128.9	138.9	93.8	73.7	50.3	36.1	24.4	11.2
B.6 Diabetes mellitus	-	-	69.8	233.0	311.1	256.8	239.5	182.5	136.0	90.9	38.5

Source: GBD Study, IHME

Table S8: Number of deaths related to SHS exposure, by age and disease, men

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
<u>Bahrain</u>											
<i>All causes</i>	0.0	0.0	0.4	0.9	1.5	2.7	4.2	5.9	8.7	11.1	7.4
<i>A. Communicable diseases</i>	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.4	0.5	0.4
A.1 Respiratory infections & tuberculosis	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.4	0.5	0.4
Lower respiratory infections	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.4	0.5	0.4
<i>B. Non-communicable diseases</i>	-	-	0.3	0.8	1.4	2.5	4.0	5.7	8.3	10.5	7.0
B.1 Neoplasms	-	-	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.8	0.5
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.8	0.5
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	0.3	0.7	1.2	2.0	2.8	3.5	4.6	4.6	2.6
Ischemic heart disease	-	-	0.2	0.6	1.0	1.7	2.5	3.2	4.2	4.2	2.3
Stroke	-	-	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.3
B.3 Chronic respiratory diseases	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.5	0.5
Chronic obstructive pulmonary disease	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.5	0.5
B.6 Diabetes mellitus	-	-	0.0	0.1	0.1	0.4	1.0	1.8	3.0	4.7	3.4
<u>Kuwait</u>											
<i>All causes</i>	0.3	0.3	2.8	5.4	6.4	8.5	12.3	16.0	16.9	15.6	11.3
<i>A. Communicable diseases</i>	0.3	0.3	0.4	0.5	0.5	0.5	0.6	1.1	1.4	1.6	1.7
A.1 Respiratory infections & tuberculosis	0.3	0.3	0.4	0.5	0.5	0.5	0.6	1.1	1.4	1.6	1.7
Lower respiratory infections	0.3	0.3	0.4	0.5	0.5	0.5	0.6	1.1	1.4	1.6	1.7
<i>B. Non-communicable diseases</i>	-	-	2.4	4.9	5.9	8.0	11.8	14.9	15.5	14.0	9.7
B.1 Neoplasms	-	-	0.0	0.1	0.1	0.2	0.3	0.5	0.8	1.0	0.9
Tracheal, bronchus, and lung cancer	-	-	0.0	0.1	0.1	0.2	0.3	0.5	0.8	1.0	0.9
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	2.4	4.7	5.7	7.7	11.0	13.6	13.7	11.6	7.2
Ischemic heart disease	-	-	2.1	4.3	5.2	6.9	10.0	12.4	12.5	10.3	6.1
Stroke	-	-	0.3	0.4	0.5	0.8	1.0	1.2	1.2	1.3	1.1
B.3 Chronic respiratory diseases	-	-	0.1	0.1	0.0	0.1	0.1	0.2	0.3	0.5	0.5
Chronic obstructive pulmonary disease	-	-	0.1	0.1	0.0	0.1	0.1	0.2	0.3	0.5	0.5
B.6 Diabetes mellitus	-	-	0.0	0.1	0.1	0.1	0.3	0.6	0.7	1.0	1.0

Table S8: Number of deaths related to SHS exposure, by age and disease, men (continued)

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Oman											
<i>All causes</i>	0.2	0.5	5.1	5.5	5.1	6.7	10.6	15.2	22.8	21.0	18.1
<i>A. Communicable diseases</i>	0.2	0.5	0.7	0.7	0.5	0.5	0.7	0.8	1.4	1.8	2.0
A.1 Respiratory infections & tuberculosis	0.2	0.5	0.7	0.7	0.5	0.5	0.7	0.8	1.4	1.8	2.0
Lower respiratory infections	0.2	0.5	0.7	0.7	0.5	0.5	0.7	0.8	1.4	1.8	2.0
<i>B. Non-communicable diseases</i>	-	-	4.4	4.8	4.6	6.2	10.0	14.4	21.3	19.2	16.1
B.1 Neoplasms	-	-	0.0	0.1	0.1	0.1	0.3	0.4	0.7	0.8	0.7
Tracheal, bronchus, and lung cancer	-	-	0.0	0.1	0.1	0.1	0.2	0.4	0.7	0.8	0.6
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	4.3	4.6	4.3	5.8	8.9	12.4	17.9	15.2	12.3
Ischemic heart disease	-	-	3.3	3.9	3.8	5.1	8.0	11.3	15.8	13.2	10.7
Stroke	-	-	1.0	0.6	0.6	0.6	0.9	1.1	2.1	2.0	1.6
B.3 Chronic respiratory diseases	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7
Chronic obstructive pulmonary disease	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7
B.6 Diabetes mellitus	-	-	0.1	0.2	0.2	0.3	0.8	1.4	2.4	2.7	2.4
Qatar											
<i>All causes</i>	0.1	0.1	1.3	1.3	1.5	1.9	4.0	5.6	8.2	7.9	5.6
<i>A. Communicable diseases</i>	0.1	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.3
A.1 Respiratory infections & tuberculosis	0.1	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.3
Lower respiratory infections	0.1	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.3
<i>B. Non-communicable diseases</i>	-	-	1.0	1.1	1.3	1.8	3.8	5.4	7.9	7.5	5.3
B.1 Neoplasms	-	-	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.4
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.4
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	0.9	1.0	1.2	1.5	3.0	3.8	5.1	4.1	2.5
Ischemic heart disease	-	-	0.6	0.7	0.9	1.2	2.6	3.4	4.5	3.7	2.3
Stroke	-	-	0.3	0.2	0.3	0.3	0.5	0.5	0.6	0.4	0.3
B.3 Chronic respiratory diseases	-	-	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.3	0.3
Chronic obstructive pulmonary disease	-	-	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.3	0.3
B.6 Diabetes mellitus	-	-	0.0	0.0	0.1	0.1	0.5	1.2	2.1	2.5	2.1

Table S8: Number of deaths related to SHS exposure, by age and disease, men (continued)

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Saudi Arabia											
<i>All causes</i>	1.5	1.7	11.3	16.5	27.0	44.7	70.1	94.9	112.0	123.3	107.5
<i>A. Communicable diseases</i>	1.5	1.7	1.8	2.0	2.5	3.0	3.6	5.0	6.4	8.3	8.1
A.1 Respiratory infections & tuberculosis	1.5	1.7	1.8	2.0	2.5	3.0	3.6	5.0	6.4	8.3	8.1
Lower respiratory infections	1.5	1.7	1.8	2.0	2.5	3.0	3.6	5.0	6.4	8.3	8.1
<i>B. Non-communicable diseases</i>	-	-	9.6	14.5	24.5	41.7	66.5	89.9	105.6	115.0	99.3
B.1 Neoplasms	-	-	0.1	0.2	0.4	0.7	1.4	2.1	3.1	4.2	4.4
Tracheal, bronchus, and lung cancer	-	-	0.1	0.2	0.4	0.7	1.4	2.1	3.0	4.2	4.4
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	9.0	13.6	22.6	38.2	59.0	77.4	86.7	90.0	74.3
Ischemic heart disease	-	-	6.5	10.8	18.7	32.5	51.2	67.1	74.7	76.1	61.5
Stroke	-	-	2.6	2.8	3.9	5.7	7.8	10.3	12.1	13.9	12.8
B.3 Chronic respiratory diseases	-	-	0.3	0.3	0.6	0.8	1.4	2.7	3.9	6.2	6.9
Chronic obstructive pulmonary disease	-	-	0.3	0.3	0.6	0.8	1.4	2.7	3.9	6.2	6.9
B.6 Diabetes mellitus	-	-	0.2	0.5	0.9	2.0	4.8	7.7	11.9	14.6	13.7
UAE											
<i>All causes</i>	0.4	0.2	5.0	11.5	20.7	34.0	48.6	56.8	49.4	71.0	25.2
<i>A. Communicable diseases</i>	0.4	0.2	0.5	0.9	1.1	1.2	1.4	1.5	1.9	4.2	2.3
A.1 Respiratory infections & tuberculosis	0.4	0.2	0.5	0.9	1.1	1.2	1.4	1.5	1.9	4.2	2.3
Lower respiratory infections	0.4	0.2	0.5	0.9	1.1	1.2	1.4	1.5	1.9	4.2	2.3
<i>B. Non-communicable diseases</i>	-	-	4.5	10.6	19.7	32.8	47.2	55.3	47.5	66.7	22.9
B.1 Neoplasms	-	-	0.0	0.2	0.4	0.7	1.0	1.4	2.0	3.5	1.1
Tracheal, bronchus, and lung cancer	-	-	0.0	0.2	0.4	0.6	1.0	1.4	2.0	3.5	1.1
Breast cancer	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B.2 Cardiovascular diseases	-	-	3.0	7.2	14.4	25.4	34.4	38.0	30.5	40.0	13.5
Ischemic heart disease	-	-	2.2	5.5	10.5	20.3	27.9	30.9	24.6	31.3	10.6
Stroke	-	-	0.8	1.7	3.9	5.0	6.6	7.0	6.0	8.7	3.0
B.3 Chronic respiratory diseases	-	-	1.4	3.0	4.3	5.4	7.1	8.2	5.7	8.2	2.8
Chronic obstructive pulmonary disease	-	-	1.4	3.0	4.3	5.4	7.1	8.2	5.7	8.2	2.8
B.6 Diabetes mellitus	-	-	0.1	0.2	0.5	1.3	4.6	7.7	9.3	15.0	5.5

Source: GBD Study, IHME

Table S9: Number of deaths related to SHS exposure, by age and disease, women

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
<u>Bahrain</u>											
<i>All causes</i>	0.0	0.0	0.1	0.3	0.4	0.6	1.3	3.1	4.6	5.1	4.5
<i>A. Communicable diseases</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.2
A.1 Respiratory infections & tuberculosis	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.2
Lower respiratory infections	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.2
<i>B. Non-communicable diseases</i>	-	-	0.1	0.2	0.4	0.6	1.2	3.0	4.4	4.8	4.2
B.1 Neoplasms	-	-	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.3	0.2
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1
Breast cancer	-	-	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.1	0.1
B.2 Cardiovascular diseases	-	-	0.1	0.1	0.2	0.3	0.6	1.3	1.7	1.7	1.5
Ischemic heart disease	-	-	0.0	0.1	0.1	0.2	0.4	1.1	1.4	1.4	1.3
Stroke	-	-	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.2
B.3 Chronic respiratory diseases	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2
Chronic obstructive pulmonary disease	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2
B.6 Diabetes mellitus	-	-	0.0	0.0	0.1	0.1	0.4	1.2	2.2	2.7	2.3
<u>Kuwait</u>											
<i>All causes</i>	0.2	0.3	1.4	2.9	3.3	4.4	6.0	7.0	6.0	5.9	5.4
<i>A. Communicable diseases</i>	0.2	0.3	0.5	0.7	0.6	0.7	0.7	1.1	1.2	1.2	1.5
A.1 Respiratory infections & tuberculosis	0.2	0.3	0.5	0.7	0.6	0.7	0.7	1.1	1.2	1.2	1.5
Lower respiratory infections	0.2	0.3	0.5	0.7	0.6	0.7	0.7	1.1	1.2	1.2	1.5
<i>B. Non-communicable diseases</i>	-	-	0.9	2.2	2.6	3.7	5.3	5.9	4.8	4.7	3.9
B.1 Neoplasms	-	-	0.1	0.3	0.5	0.8	1.2	1.1	0.9	0.6	0.5
Tracheal, bronchus, and lung cancer	-	-	0.0	0.1	0.1	0.2	0.4	0.5	0.3	0.3	0.3
Breast cancer	-	-	0.0	0.2	0.3	0.6	0.8	0.7	0.5	0.3	0.2
B.2 Cardiovascular diseases	-	-	0.7	1.6	1.9	2.5	3.5	3.9	3.0	3.0	2.5
Ischemic heart disease	-	-	0.4	1.1	1.2	1.6	2.6	3.1	2.4	2.5	1.9
Stroke	-	-	0.3	0.5	0.7	0.8	0.9	0.8	0.5	0.6	0.5
B.3 Chronic respiratory diseases	-	-	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Chronic obstructive pulmonary disease	-	-	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
B.6 Diabetes mellitus	-	-	0.1	0.1	0.2	0.3	0.4	0.6	0.8	0.8	0.8

Table S9: Number of deaths related to SHS exposure, by age and disease, women (continued)

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Oman											
<i>All causes</i>	0.2	0.2	1.8	2.1	2.6	3.2	4.5	6.6	10.1	10.9	11.0
<i>A. Communicable diseases</i>	0.2	0.2	0.4	0.4	0.3	0.2	0.3	0.4	0.8	1.0	1.2
A.1 Respiratory infections & tuberculosis	0.2	0.2	0.4	0.4	0.3	0.2	0.3	0.4	0.8	1.0	1.2
Lower respiratory infections	0.2	0.2	0.4	0.4	0.3	0.2	0.3	0.4	0.8	1.0	1.2
<i>B. Non-communicable diseases</i>	-	-	1.4	1.7	2.3	3.0	4.2	6.2	9.3	9.9	9.8
B.1 Neoplasms	-	-	0.0	0.1	0.2	0.4	0.5	0.5	0.5	0.4	0.3
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Breast cancer	-	-	0.0	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1
B.2 Cardiovascular diseases	-	-	1.3	1.4	1.8	2.2	3.0	4.3	6.4	6.8	6.7
Ischemic heart disease	-	-	0.8	1.0	1.3	1.6	2.4	3.5	5.4	5.8	5.6
Stroke	-	-	0.5	0.4	0.5	0.6	0.6	0.8	1.1	1.0	1.1
B.3 Chronic respiratory diseases	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2
Chronic obstructive pulmonary disease	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2
B.6 Diabetes mellitus	-	-	0.1	0.2	0.3	0.4	0.8	1.4	2.3	2.6	2.6
Qatar											
<i>All causes</i>	0.0	0.0	0.2	0.4	0.6	0.9	1.2	2.1	2.7	2.8	2.1
<i>A. Communicable diseases</i>	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
A.1 Respiratory infections & tuberculosis	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
Lower respiratory infections	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
<i>B. Non-communicable diseases</i>	-	-	0.1	0.4	0.6	0.8	1.1	2.0	2.6	2.6	1.9
B.1 Neoplasms	-	-	0.0	0.1	0.2	0.3	0.3	0.5	0.5	0.3	0.2
Tracheal, bronchus, and lung cancer	-	-	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Breast cancer	-	-	0.0	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.1
B.2 Cardiovascular diseases	-	-	0.1	0.2	0.3	0.4	0.5	0.8	1.1	1.1	0.8
Ischemic heart disease	-	-	0.0	0.1	0.1	0.2	0.4	0.6	0.9	0.9	0.7
Stroke	-	-	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1
B.3 Chronic respiratory diseases	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Chronic obstructive pulmonary disease	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
B.6 Diabetes mellitus	-	-	0.0	0.0	0.1	0.2	0.2	0.6	1.0	1.2	0.9

Table S9: Number of deaths related to SHS exposure, by age and disease, women (continued)

	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Saudi Arabia											
<i>All causes</i>	1.5	1.8	11.0	18.6	29.4	48.7	65.7	79.0	87.3	82.8	65.7
<i>A. Communicable diseases</i>	1.5	1.8	2.2	2.8	3.8	4.8	5.7	7.3	6.9	7.0	6.1
A.1 Respiratory infections & tuberculosis	1.5	1.8	2.2	2.8	3.8	4.8	5.7	7.3	6.9	7.0	6.1
Lower respiratory infections	1.5	1.8	2.2	2.8	3.8	4.8	5.7	7.3	6.9	7.0	6.1
<i>B. Non-communicable diseases</i>	-	-	8.8	15.7	25.6	43.8	60.0	71.7	80.4	75.8	59.6
B.1 Neoplasms	-	-	0.4	1.6	3.6	5.3	6.3	5.7	4.4	2.9	1.7
Tracheal, bronchus, and lung cancer	-	-	0.1	0.3	0.6	0.9	1.2	1.3	1.2	1.0	0.7
Breast cancer	-	-	0.3	1.3	3.0	4.4	5.1	4.3	3.2	1.9	1.0
B.2 Cardiovascular diseases	-	-	7.3	11.9	18.5	32.4	44.2	53.2	59.5	57.0	44.8
Ischemic heart disease	-	-	4.9	8.4	13.1	23.9	35.4	43.2	48.7	46.3	35.9
Stroke	-	-	2.4	3.5	5.3	8.5	8.8	9.9	10.8	10.7	9.0
B.3 Chronic respiratory diseases	-	-	0.4	0.8	1.1	1.4	2.0	3.1	4.2	4.5	4.1
Chronic obstructive pulmonary disease	-	-	0.4	0.8	1.1	1.4	2.0	3.1	4.2	4.5	4.1
B.6 Diabetes mellitus	-	-	0.7	1.5	2.4	4.7	7.5	9.8	12.3	11.4	9.0
UAE											
<i>All causes</i>	0.1	0.1	1.4	4.4	5.4	5.6	8.2	10.6	13.2	17.6	10.6
<i>A. Communicable diseases</i>	0.1	0.1	0.2	0.5	0.3	0.3	0.3	0.3	0.4	0.8	0.8
A.1 Respiratory infections & tuberculosis	0.1	0.1	0.2	0.5	0.3	0.3	0.3	0.3	0.4	0.8	0.8
Lower respiratory infections	0.1	0.1	0.2	0.5	0.3	0.3	0.3	0.3	0.4	0.8	0.8
<i>B. Non-communicable diseases</i>	-	-	1.2	3.9	5.0	5.3	7.9	10.3	12.8	16.8	9.9
B.1 Neoplasms	-	-	0.1	0.5	0.9	1.2	1.7	2.0	2.0	1.3	0.4
Tracheal, bronchus, and lung cancer	-	-	0.0	0.1	0.2	0.2	0.3	0.5	0.6	0.5	0.2
Breast cancer	-	-	0.0	0.4	0.8	1.0	1.4	1.5	1.4	0.8	0.2
B.2 Cardiovascular diseases	-	-	1.0	2.8	3.2	3.1	4.8	5.7	6.5	8.8	5.4
Ischemic heart disease	-	-	0.6	1.2	0.9	1.1	2.0	3.5	4.4	6.4	4.1
Stroke	-	-	0.4	1.6	2.3	2.0	2.8	2.1	2.1	2.5	1.4
B.3 Chronic respiratory diseases	-	-	0.1	0.4	0.5	0.6	0.6	0.8	1.2	1.4	0.7
Chronic obstructive pulmonary disease	-	-	0.1	0.4	0.5	0.6	0.6	0.8	1.2	1.4	0.7
B.6 Diabetes mellitus	-	-	0.0	0.2	0.4	0.5	0.9	1.9	3.2	5.3	3.3

Source: GBD Study, IHME

Table S10: Direct, morbidity, mortality and total cost of smoking and secondhand smoke exposure, by country in US \$, 2016.

	Direct Cost US \$ (Million)	Morbidity US \$ (Million)	Mortality US \$ (Million)	Total Cost US \$ (Million)
SMOKING				
Bahrain	159	94	87	340
Kuwait	527	273	500	1,300
Oman	222	110	159	491
Qatar	246	224	207	678
KSA	2,119	986	1,899	5,003
UAE	1,150	886	1,550	3,587
All	4,424	2,574	4,401	11,399
SHS				
Bahrain	52	41	23	116
Kuwait	126	95	89	309
Oman	67	41	38	146
Qatar	67	105	45	217
KSA	603	391	312	1,306
UAE	236	321	257	814
All	1,150	995	764	2,908

KSA, Kingdom of Saudi Arabia; UAE, United Arab Emirates; SHS, secondhand smoke exposure.

Table S11: Percentage of morbidity cost distribution by cause of disease, age and gender in the GCC countries, 2016

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
BAHRAIN																		
SMOKING																		
A. Communicable diseases	-	2.0	1.1	0.7	0.4	0.3	0.2	0.2	0.2	-	1.6	0.9	0.5	0.4	0.3	0.2	0.2	0.2
Respiratory infections and tuberculosis	-	2.0	1.1	0.7	0.4	0.3	0.2	0.2	0.2	-	1.6	0.9	0.5	0.4	0.3	0.2	0.2	0.2
B. Non-communicable diseases	-	98.0	98.9	97.8	98.2	98.6	98.7	98.8	98.7	-	98.4	99.1	97.2	97.6	97.5	97.6	97.7	97.3
Neoplasms	-	0.3	0.4	0.4	0.6	1.1	1.4	2.6	3.0	-	0.6	0.6	0.8	0.9	1.1	1.4	1.4	1.5
Cardiovascular diseases	-	14.7	15.8	17.6	19.5	21.5	19.3	20.6	18.1	-	18.6	20.0	21.4	24.9	26.8	23.5	26.4	23.5
Chronic respiratory diseases	-	36.5	40.6	39.3	38.3	38.1	38.5	38.3	40.3	-	43.6	43.3	38.1	34.1	31.7	33.3	34.0	37.1
Digestive diseases	-	4.4	3.4	2.4	1.7	1.2	0.8	0.6	0.5	-	2.6	2.3	1.9	1.5	1.1	0.9	0.8	0.6
Neurological disorders	-	0.7	0.5	0.4	0.5	0.6	0.9	1.5	2.9	-	1.4	1.2	1.0	0.9	0.9	1.0	1.6	2.9
Type2 diabetes mellitus	-	40.7	36.9	36.2	35.9	33.9	35.0	31.6	29.1	-	30.8	30.3	32.6	33.6	34.0	35.0	30.2	26.9
Sense organ diseases	-	0.9	1.3	1.4	1.7	2.2	2.8	3.6	4.8	-	0.8	1.3	1.4	1.6	1.9	2.5	3.4	4.9
C. Injuries	-	-	-	1.5	1.4	1.1	1.1	1.0	1.1	-	-	-	2.2	2.0	2.2	2.2	2.1	2.5
SHS																		
A. Communicable diseases	1.5	0.9	0.5	0.3	0.2	0.2	0.1	0.1	0.1	1.3	0.8	0.5	0.4	0.3	0.2	0.2	0.1	0.2
Respiratory infections and tuberculosis	1.5	0.9	0.5	0.3	0.2	0.2	0.1	0.1	0.1	1.3	0.8	0.5	0.4	0.3	0.2	0.2	0.1	0.2
B. Non-communicable diseases	98.5	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	98.7	99.2	99.5	99.6	99.7	99.8	99.8	99.9	99.8
Neoplasms	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.4	0.6	0.7	0.8	0.7	0.7	0.6	0.7
Cardiovascular diseases	3.9	3.5	3.5	3.7	4.0	4.2	4.3	4.4	4.4	4.0	3.6	3.7	3.8	4.2	4.5	4.8	5.0	5.2
Chronic respiratory diseases	34.9	32.6	29.6	26.7	24.1	22.7	22.4	23.2	25.3	50.5	45.9	39.4	33.3	27.8	24.3	22.7	22.6	24.2
Type2 diabetes mellitus	59.6	62.9	66.3	69.3	71.7	72.9	73.0	72.0	69.9	44.1	49.2	55.9	61.8	67.0	70.2	71.6	71.6	69.8

Table S11: Percentage of morbidity cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
<u>KUWAIT</u>																		
SMOKING																		
A. Communicable diseases	-	1.7	1.0	0.7	0.5	0.4	0.3	0.3	0.3	-	1.8	1.0	0.7	0.5	0.4	0.3	0.3	0.3
Respiratory infections and tuberculosis	-	1.7	1.0	0.7	0.5	0.4	0.3	0.3	0.3	-	1.8	1.0	0.7	0.5	0.4	0.3	0.3	0.3
B. Non-communicable diseases	-	98.3	99.0	97.1	97.4	98.0	98.1	98.2	98.0	-	98.2	99.0	97.4	97.5	97.7	97.2	97.8	97.8
Neoplasms	-	0.3	0.5	0.5	0.8	1.3	1.8	2.7	3.3	-	0.5	0.6	0.7	1.0	1.0	1.3	1.2	1.2
Cardiovascular diseases	-	13.4	15.2	17.9	21.0	25.0	23.6	25.9	23.4	-	20.0	22.2	26.5	30.0	34.7	29.7	35.5	32.3
Chronic respiratory diseases	-	35.8	37.6	36.4	36.0	37.5	37.7	37.0	37.6	-	40.2	41.3	40.0	35.2	35.1	33.9	35.3	38.9
Digestive diseases	-	3.7	3.0	2.3	1.7	1.3	0.9	0.6	0.5	-	2.4	2.2	2.1	1.8	1.4	1.0	0.9	0.7
Neurological disorders	-	0.6	0.5	0.4	0.5	0.7	1.1	2.0	4.0	-	1.3	1.0	0.7	0.8	1.0	1.3	2.2	4.5
Type2 diabetes mellitus	-	43.6	40.8	38.0	35.2	29.1	29.2	25.2	23.0	-	32.9	30.3	25.6	26.5	21.8	26.5	17.7	12.8
Sense organ diseases	-	0.8	1.4	1.8	2.3	3.1	3.8	4.9	6.4	-	0.8	1.4	1.8	2.2	2.8	3.5	4.9	7.2
C. Injuries	-	-	-	2.2	2.0	1.6	1.6	1.5	1.6	-	-	-	1.9	2.0	1.9	2.5	2.0	2.0
SHS																		
A. Communicable diseases	1.6	1.0	0.6	0.4	0.3	0.3	0.3	0.3	0.3	1.4	0.9	0.6	0.5	0.4	0.3	0.3	0.3	0.4
Respiratory infections and tuberculosis	1.6	1.0	0.6	0.4	0.3	0.3	0.3	0.3	0.3	1.4	0.9	0.6	0.5	0.4	0.3	0.3	0.3	0.4
B. Non-communicable diseases	98.4	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	98.6	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.6
Neoplasms	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2	0.4	0.5	0.7	1.0	0.8	0.9	0.8	0.8
Cardiovascular diseases	4.1	3.7	3.9	4.2	5.0	5.7	6.3	6.7	7.0	5.0	4.5	4.6	5.0	5.8	6.8	7.8	8.5	8.9
Chronic respiratory diseases	30.8	29.3	27.5	26.2	25.5	25.6	26.1	27.0	28.0	45.9	42.1	37.5	33.2	29.9	28.1	27.2	27.0	27.8
Type2 diabetes mellitus	63.6	66.0	68.0	69.1	69.1	68.3	67.2	65.8	64.4	47.4	52.0	56.7	60.6	62.9	63.9	63.8	63.4	62.1

Table S11: Percentage of morbidity cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
OMAN																		
SMOKING																		
A. Communicable diseases	-	1.9	1.0	0.7	0.5	0.4	0.3	0.3	0.3	-	1.6	0.9	0.5	0.4	0.3	0.3	0.2	0.3
Respiratory infections and tuberculosis	-	1.9	1.0	0.7	0.5	0.4	0.3	0.3	0.3	-	1.6	0.9	0.5	0.4	0.3	0.3	0.2	0.3
B. Non-communicable diseases	-	98.1	99.0	97.7	98.1	98.3	98.5	98.7	98.7	-	98.4	99.1	97.0	98.1	98.1	98.3	98.5	97.0
Neoplasms	-	0.3	0.4	0.5	0.9	1.4	2.1	2.8	3.4	-	1.0	1.5	1.4	1.5	1.3	1.4	1.7	1.3
Cardiovascular diseases	-	16.5	18.0	20.7	23.7	25.7	25.0	27.1	23.4	-	22.4	23.8	22.9	32.8	36.5	34.2	38.0	27.6
Chronic respiratory diseases	-	28.9	32.1	31.6	30.5	28.8	30.4	30.6	32.6	-	30.3	30.9	23.6	27.1	25.3	27.8	26.6	24.0
Digestive diseases	-	4.6	3.6	2.6	1.8	1.3	0.9	0.6	0.5	-	2.5	2.2	1.6	1.6	1.3	1.1	0.8	0.5
Neurological disorders	-	0.7	0.5	0.3	0.4	0.6	0.9	1.7	3.5	-	1.6	1.7	0.8	0.6	0.7	1.1	1.9	3.0
Type2 diabetes mellitus	-	44.2	40.2	36.9	34.7	33.3	30.0	24.4	20.3	-	37.3	35.0	43.1	29.1	26.7	24.5	19.0	27.6
Sense organ diseases	-	3.0	4.2	4.9	6.0	7.1	9.2	11.4	15.0	-	3.2	4.0	3.7	5.5	6.3	8.2	10.6	13.0
C. Injuries	-	-	-	1.7	1.5	1.3	1.2	1.0	1.0	-	-	-	2.4	1.5	1.5	1.4	1.3	2.7
SHS																		
A. Communicable diseases	1.9	1.2	0.7	0.4	0.4	0.3	0.3	0.3	0.3	1.8	1.1	0.7	0.4	0.4	0.3	0.3	0.3	0.3
Respiratory infections and tuberculosis	1.9	1.2	0.7	0.4	0.4	0.3	0.3	0.3	0.3	1.8	1.1	0.7	0.4	0.4	0.3	0.3	0.3	0.3
B. Non-communicable diseases	98.1	98.8	99.3	99.6	99.6	99.7	99.7	99.7	99.7	98.2	98.9	99.3	99.6	99.6	99.7	99.7	99.7	99.7
Neoplasms	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.5	0.6	0.8	0.9	0.7	0.5	0.5	0.4
Cardiovascular diseases	5.3	4.5	4.4	4.5	5.0	5.5	6.2	6.6	6.8	5.6	4.9	4.6	4.6	5.0	5.6	6.5	7.2	7.7
Chronic respiratory diseases	25.2	23.7	21.7	20.1	19.1	18.6	19.1	20.4	22.5	36.9	33.2	27.8	23.1	19.9	18.0	17.7	18.1	19.4
Type2 diabetes mellitus	67.5	70.6	73.2	74.9	75.5	75.6	74.3	72.5	70.1	55.5	60.4	66.4	71.1	73.9	75.4	75.1	73.9	72.1

Table S11: Percentage of morbidity cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
QATAR																		
SMOKING																		
A. Communicable diseases	-	2.1	1.2	0.7	0.5	0.3	0.2	0.2	0.2	-	1.8	1.1	0.7	0.4	0.3	0.2	0.2	0.2
Respiratory infections and tuberculosis	-	2.1	1.2	0.7	0.5	0.3	0.2	0.2	0.2	-	1.8	1.1	0.7	0.4	0.3	0.2	0.2	0.2
B. Non-communicable diseases	-	97.9	98.8	96.4	97.4	97.9	97.9	98.1	98.4	-	98.2	98.9	97.9	97.7	98.2	98.7	98.1	98.1
Neoplasms	-	0.2	0.3	0.4	0.6	1.2	1.9	3.0	4.7	-	1.2	0.7	0.9	1.0	1.7	2.7	2.6	3.1
Cardiovascular diseases	-	14.6	15.8	16.3	20.8	22.9	19.7	21.9	19.9	-	14.1	16.3	20.9	21.9	27.6	26.5	25.0	24.1
Chronic respiratory diseases	-	30.3	35.3	32.7	37.4	37.7	36.6	37.5	41.1	-	47.4	38.4	39.6	32.3	35.3	38.6	31.6	36.7
Digestive diseases	-	6.8	5.3	3.5	2.8	1.8	1.1	0.8	0.6	-	3.6	3.5	3.3	2.3	2.0	1.6	1.1	0.9
Neurological disorders	-	0.5	0.5	0.3	0.4	0.6	0.8	1.5	2.9	-	1.1	0.8	0.8	0.6	0.6	1.0	1.4	2.9
Type2 diabetes mellitus	-	44.6	40.5	41.9	33.6	31.5	35.4	30.4	24.8	-	30.2	38.1	30.9	37.9	28.7	25.3	33.1	25.4
Sense organ diseases	-	0.8	1.1	1.2	1.7	2.1	2.4	3.1	4.3	-	0.7	1.1	1.5	1.7	2.3	3.0	3.3	4.9
C. Injuries	-	-	-	2.9	2.1	1.8	1.9	1.7	1.4	-	-	-	1.4	1.9	1.5	1.1	1.7	1.8
SHS																		
A. Communicable diseases	1.1	0.7	0.4	0.3	0.2	0.1	0.1	0.1	0.1	1.2	0.7	0.5	0.3	0.2	0.2	0.1	0.1	0.1
Respiratory infections and tuberculosis	1.1	0.7	0.4	0.3	0.2	0.1	0.1	0.1	0.1	1.2	0.7	0.5	0.3	0.2	0.2	0.1	0.1	0.1
B. Non-communicable diseases	98.9	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	98.8	99.3	99.5	99.7	99.8	99.8	99.9	99.9	99.9
Neoplasms	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.5	0.8	1.1	1.1	1.4	1.4	1.4	1.4
Cardiovascular diseases	3.6	3.1	3.2	3.3	3.8	4.1	4.3	4.4	4.3	3.8	3.4	3.4	3.6	3.9	4.3	4.6	4.8	4.9
Chronic respiratory diseases	27.2	25.5	23.5	21.8	20.3	19.4	18.9	18.9	19.8	39.6	35.7	30.6	26.1	22.4	19.9	18.1	17.4	17.9
Type2 diabetes mellitus	68.1	70.7	73.0	74.5	75.7	76.3	76.6	76.4	75.6	55.3	59.6	64.7	68.9	72.4	74.3	75.7	76.4	75.6

Table S11: Percentage of morbidity cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
SAUDI ARABIA																		
SMOKING																		
A. Communicable diseases	-	2.5	1.6	1.1	0.8	0.6	0.5	0.4	0.4	-	2.1	1.7	1.1	0.8	0.6	0.5	0.4	0.5
Respiratory infections and tuberculosis	-	2.5	1.6	1.1	0.8	0.6	0.5	0.4	0.4	-	2.1	1.7	1.1	0.8	0.6	0.5	0.4	0.5
B. Non-communicable diseases	-	97.5	98.4	95.6	96.1	97.0	97.1	96.9	97.6	-	97.9	98.3	96.1	96.4	95.3	95.8	96.2	95.0
Neoplasms	-	0.4	0.6	0.9	1.3	2.0	3.0	3.3	4.5	-	2.2	1.0	1.2	1.6	1.5	1.7	1.6	1.5
Cardiovascular diseases	-	18.3	20.5	22.9	25.7	29.2	26.6	27.1	26.0	-	19.6	22.3	28.4	31.8	32.0	31.5	35.3	30.8
Chronic respiratory diseases	-	24.7	28.3	29.4	30.7	33.5	36.6	36.2	42.2	-	47.8	30.5	32.8	30.3	27.7	33.2	34.4	36.7
Digestive diseases	-	5.2	4.2	3.0	2.0	1.5	1.0	0.6	0.5	-	2.6	2.6	2.5	2.0	1.4	1.1	0.9	0.7
Neurological disorders	-	0.6	0.5	0.4	0.5	0.7	1.0	1.6	3.4	-	1.1	1.1	0.7	0.9	0.9	1.1	1.8	3.2
Type2 diabetes mellitus	-	47.2	42.6	37.2	33.7	27.6	25.8	24.4	15.4	-	23.6	39.3	28.4	27.5	29.3	24.0	18.0	16.3
Sense organ diseases	-	1.2	1.7	1.9	2.2	2.7	3.1	3.7	5.5	-	1.0	1.5	2.1	2.3	2.4	3.2	4.2	5.8
C. Injuries	-	-	-	3.3	3.1	2.5	2.4	2.7	2.0	-	-	-	2.8	2.9	4.1	3.7	3.4	4.6
SHS																		
A. Communicable diseases	0.8	0.5	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.9	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.2
Respiratory infections and tuberculosis	0.8	0.5	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.9	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.2
B. Non-communicable diseases	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.8	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8
Neoplasms	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.6	0.9	1.2	1.4	1.2	1.1	1.0	0.8
Cardiovascular diseases	3.6	3.2	3.4	3.7	4.4	5.0	5.6	6.0	6.3	5.0	4.4	4.4	4.7	5.5	6.4	7.5	8.2	8.9
Chronic respiratory diseases	14.6	14.4	14.0	13.9	14.0	14.7	15.6	17.0	18.6	27.3	25.5	22.5	19.8	18.1	17.5	17.7	18.6	20.1
Type2 diabetes mellitus	81.0	81.8	82.3	82.2	81.4	80.1	78.6	76.7	74.7	66.6	68.9	71.7	74.0	74.8	74.6	73.5	71.9	70.0

Table S11: Percentage of morbidity cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
UAE																		
SMOKING																		
A. Communicable diseases	-	1.4	0.8	0.5	0.4	0.3	0.2	0.2	0.2	-	1.2	0.8	0.4	0.3	0.2	0.2	0.2	0.2
Respiratory infections and tuberculosis	-	1.4	0.8	0.5	0.4	0.3	0.2	0.2	0.2	-	1.2	0.8	0.4	0.3	0.2	0.2	0.2	0.2
B. Non-communicable diseases	-	98.6	99.2	96.9	97.6	97.8	97.8	98.3	98.2	-	98.8	99.2	96.0	98.2	97.3	98.9	95.9	97.7
Neoplasms	-	0.4	0.6	0.8	1.3	2.1	3.2	4.9	5.2	-	1.0	1.2	0.9	1.6	1.9	3.8	3.7	2.7
Cardiovascular diseases	-	13.9	13.8	16.0	17.6	20.1	18.1	22.0	19.7	-	24.1	18.1	23.2	33.1	30.6	32.4	21.9	28.4
Chronic respiratory diseases	-	43.7	49.4	50.0	49.5	46.5	46.1	45.9	45.8	-	47.1	31.9	35.6	42.9	35.6	45.5	27.0	42.6
Digestive diseases	-	3.6	2.6	1.9	1.3	0.9	0.6	0.5	0.4	-	2.3	1.5	1.4	1.4	1.0	0.9	0.5	0.7
Neurological disorders	-	1.3	0.7	0.4	0.4	0.6	0.6	1.2	2.5	-	3.7	3.5	0.8	0.7	0.6	1.2	1.2	2.8
Type2 diabetes mellitus	-	35.1	31.0	26.4	25.9	25.6	26.9	20.5	20.2	-	19.9	42.2	32.9	16.7	25.6	11.9	39.0	15.4
Sense organ diseases	-	0.8	1.1	1.4	1.6	2.0	2.3	3.2	4.3	-	0.8	0.8	1.2	1.9	2.0	3.1	2.4	5.1
C. Injuries	-	-	-	2.6	2.1	2.0	1.9	1.5	1.6	-	-	-	3.6	1.4	2.4	0.9	3.9	2.1
SHS																		
A. Communicable diseases	0.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1
Respiratory infections and tuberculosis	0.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1
B. Non-communicable diseases	99.2	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.2	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
Neoplasms	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.2	0.4	0.6	0.8	1.2	1.3	1.5	1.3	0.8
Cardiovascular diseases	3.8	3.4	3.4	3.6	3.9	4.4	4.9	5.3	5.7	5.8	5.1	5.1	5.3	5.7	6.1	6.7	7.1	7.5
Chronic respiratory diseases	37.9	34.5	31.2	28.3	25.6	23.6	22.9	22.7	23.5	36.9	33.5	29.0	25.1	21.9	20.0	19.3	19.4	20.7
Type2 diabetes mellitus	57.6	61.6	65.1	67.9	70.3	71.9	71.9	71.6	70.4	56.2	60.5	65.0	68.6	71.1	72.4	72.5	72.1	70.8

SHS, Secondhand smoke exposure; for age groups 15-19 and 20-24, morbidity cost related to SHS is not presented, as the only cause is lower respiratory infections in category "Respiratory infections and tuberculosis"

Table S12: Percentage of mortality cost distribution by cause of disease, age and gender in the GCC countries, 2016

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
BAHRAIN																		
SMOKING																		
A. Communicable diseases	-	9.1	7.0	5.0	2.9	2.9	3.1	3.3	3.9	-	12.2	8.2	3.7	2.7	2.8	2.9	3.5	3.3
Respiratory infections and tuberculosis	-	9.1	7.0	5.0	2.9	2.9	3.1	3.3	3.9	-	12.2	8.2	3.7	2.7	2.8	2.9	3.5	3.3
B. Non-communicable diseases	-	90.9	93.0	94.0	96.6	96.9	96.6	96.5	96.0	-	87.8	91.8	95.6	96.9	97.0	96.9	96.3	96.5
Neoplasms	-	7.9	11.0	13.4	16.4	19.8	25.0	29.1	30.7	-	13.1	19.3	22.5	21.6	18.0	21.8	18.4	18.1
Cardiovascular diseases	-	77.3	77.1	73.2	69.7	64.3	54.6	46.6	37.4	-	62.2	60.3	61.2	63.6	64.2	52.9	54.5	51.2
Chronic respiratory diseases	-	1.9	1.9	1.9	1.9	2.7	3.6	5.4	8.8	-	5.7	3.7	3.8	2.8	2.7	4.4	4.3	6.4
Digestive diseases	-	0.7	0.5	0.4	0.3	0.3	0.5	0.4	0.7	-	1.0	1.1	0.7	0.5	0.4	0.5	0.6	0.6
Neurological disorders	-	0.3	0.2	0.4	0.4	0.6	0.8	1.2	2.0	-	0.5	0.8	0.6	0.7	0.8	1.1	1.6	2.7
Type2 diabetes mellitus	-	2.8	2.3	4.8	8.0	9.1	12.2	13.7	16.3	-	5.2	6.7	6.7	7.7	10.9	16.4	16.9	17.5
C. Injuries	-	-	-	1.0	0.5	0.3	0.2	0.2	0.2	-	-	-	0.7	0.3	0.2	0.2	0.1	0.1
SHS																		
A. Communicable diseases	11.1	9.1	6.6	5.9	3.6	4.0	4.3	4.7	5.2	19.1	15.1	10.1	6.3	4.5	5.1	4.7	5.9	5.1
Respiratory infections and tuberculosis	11.1	9.1	6.6	5.9	3.6	4.0	4.3	4.7	5.2	19.1	15.1	10.1	6.3	4.5	5.1	4.7	5.9	5.1
B. Non-communicable diseases	88.9	90.9	93.4	94.1	96.4	96.0	95.7	95.3	94.8	80.9	84.9	89.9	93.7	95.5	94.9	95.3	94.1	94.9
Neoplasms	1.5	2.6	3.1	3.3	3.8	4.6	5.2	6.9	6.8	6.6	16.7	23.6	24.3	21.4	12.2	8.8	6.1	5.0
Cardiovascular diseases	78.5	79.8	82.4	74.8	67.3	59.4	52.6	41.8	35.3	57.1	48.3	42.2	44.1	43.6	41.8	35.8	32.6	34.2
Chronic respiratory diseases	3.7	1.8	1.1	1.3	1.2	2.1	2.7	4.5	6.7	3.7	3.4	2.5	2.1	2.3	2.6	3.7	3.4	4.6
Type2 diabetes mellitus	5.2	6.7	6.8	14.8	24.0	30.0	35.2	42.1	46.0	13.4	16.4	21.6	23.1	28.2	38.3	46.9	52.1	51.2

Table S12: Percentage of mortality cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
<u>KUWAIT</u>																		
SMOKING																		
A. Communicable diseases	-	7.6	6.7	4.1	2.9	3.9	4.7	5.2	7.6	-	17.2	12.0	8.5	4.9	6.4	8.5	8.4	13.1
Respiratory infections and tuberculosis	-	7.6	6.7	4.1	2.9	3.9	4.7	5.2	7.6	-	17.2	12.0	8.5	4.9	6.4	8.5	8.4	13.1
B. Non-communicable diseases	-	92.4	93.3	94.9	96.4	95.7	95.0	94.5	92.1	-	82.8	88.0	90.8	94.7	93.3	91.2	91.5	86.8
Neoplasms	-	3.5	5.7	7.4	9.6	12.3	17.8	22.3	29.2	-	7.3	11.9	15.6	19.1	18.6	26.7	21.6	23.1
Cardiovascular diseases	-	86.9	85.9	86.0	84.5	80.5	73.0	66.2	53.1	-	70.2	71.5	70.5	70.9	70.1	55.6	61.8	52.5
Chronic respiratory diseases	-	1.1	0.9	0.6	0.9	1.3	1.8	2.7	4.3	-	2.7	2.4	2.6	2.3	1.8	3.2	3.0	4.3
Digestive diseases	-	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.4	-	0.6	0.3	0.3	0.3	0.3	0.4	0.4	0.3
Neurological disorders	-	0.2	0.1	0.2	0.2	0.4	0.7	1.3	2.6	-	0.3	0.5	0.4	0.6	0.9	1.6	2.0	4.3
Type2 diabetes mellitus	-	0.5	0.4	0.4	1.0	1.0	1.4	1.7	2.5	-	1.7	1.5	1.4	1.5	1.6	3.7	2.7	2.3
C. Injuries	-	-	-	1.0	0.7	0.4	0.3	0.3	0.3	-	-	-	0.7	0.4	0.3	0.3	0.1	0.1
SHS																		
A. Communicable diseases	14.3	8.8	8.4	5.9	4.5	6.9	8.2	10.3	14.8	35.5	24.8	19.4	16.9	11.2	16.1	19.5	20.4	28.2
Respiratory infections and tuberculosis	14.3	8.8	8.4	5.9	4.5	6.9	8.2	10.3	14.8	35.5	24.8	19.4	16.9	11.2	16.1	19.5	20.4	28.2
B. Non-communicable diseases	85.7	91.2	91.6	94.1	95.5	93.1	91.8	89.7	85.2	64.5	75.2	80.6	83.1	88.8	83.9	80.5	79.6	71.8
Neoplasms	0.5	1.0	1.2	1.9	2.4	3.4	4.6	6.3	8.3	5.9	9.6	14.4	17.7	19.4	15.9	14.2	10.7	8.4
Cardiovascular diseases	82.7	88.0	88.7	90.4	89.6	84.9	81.3	74.1	63.8	51.5	57.1	57.3	56.0	58.2	56.0	49.2	51.0	45.5
Chronic respiratory diseases	2.0	1.2	0.7	0.7	0.8	1.3	1.8	3.0	4.4	2.8	3.6	3.7	2.9	4.0	2.9	3.8	3.5	4.0
Type2 diabetes mellitus	0.5	1.0	1.0	1.1	2.6	3.5	4.1	6.2	8.6	4.4	4.9	5.3	6.5	7.1	9.1	13.3	14.4	14.0

Table S12: Percentage of mortality cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
OMAN																		
SMOKING																		
A. Communicable diseases	-	10.5	6.9	5.0	3.8	2.9	3.7	4.7	6.4	-	9.3	6.0	3.0	2.4	2.2	3.2	3.3	4.9
Respiratory infections and tuberculosis	-	10.5	6.9	5.0	3.8	2.9	3.7	4.7	6.4	-	9.3	6.0	3.0	2.4	2.2	3.2	3.3	4.9
B. Non-communicable diseases	-	89.5	93.1	92.3	94.7	96.2	95.8	95.0	93.3	-	90.7	94.0	95.0	97.0	97.4	96.5	96.5	94.7
Neoplasms	-	5.0	8.5	10.7	12.9	14.5	17.4	18.2	19.9	-	6.9	12.0	14.2	13.5	11.5	11.9	11.5	11.6
Cardiovascular diseases	-	82.0	82.2	78.9	78.5	77.4	72.9	69.4	62.3	-	80.0	77.7	75.1	79.3	81.1	78.2	78.4	70.4
Chronic respiratory diseases	-	0.6	0.7	0.5	0.7	1.0	1.6	2.9	5.2	-	0.9	0.8	0.7	0.7	0.8	1.3	1.7	2.7
Digestive diseases	-	0.3	0.2	0.5	0.3	0.3	0.3	0.2	0.2	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Neurological disorders	-	0.3	0.2	0.2	0.2	0.4	0.7	1.1	2.2	-	0.6	0.8	0.9	0.6	0.6	0.9	1.2	2.0
Type2 diabetes mellitus	-	1.3	1.3	1.4	2.2	2.6	3.0	3.1	3.4	-	2.2	2.6	4.0	2.8	3.3	4.1	3.6	7.9
C. Injuries	-	-	-	2.7	1.4	0.9	0.5	0.3	0.3	-	-	-	2.0	0.7	0.4	0.3	0.2	0.4
SHS																		
A. Communicable diseases	13.1	12.8	9.2	7.8	6.3	5.2	6.3	8.7	11.1	21.3	18.1	12.7	7.2	6.0	6.2	7.7	8.9	11.0
Respiratory infections and tuberculosis	13.1	12.8	9.2	7.8	6.3	5.2	6.3	8.7	11.1	21.3	18.1	12.7	7.2	6.0	6.2	7.7	8.9	11.0
B. Non-communicable diseases	86.9	87.2	90.8	92.2	93.7	94.8	93.7	91.3	88.9	78.7	81.9	87.3	92.8	94.0	93.8	92.3	91.1	89.0
Neoplasms	0.6	1.0	1.5	1.9	2.4	2.9	3.2	3.8	3.6	2.2	6.4	8.7	11.2	10.2	7.0	4.5	3.5	2.4
Cardiovascular diseases	83.7	83.0	85.6	85.4	83.6	81.9	78.8	72.3	68.2	70.2	68.0	67.8	68.1	66.3	65.5	64.1	62.5	61.0
Chronic respiratory diseases	0.4	0.2	0.3	0.3	0.4	0.8	1.1	2.4	3.9	0.4	0.4	0.5	0.4	0.5	0.7	0.9	1.7	2.2
Type2 diabetes mellitus	2.3	2.9	3.4	4.6	7.3	9.2	10.5	12.7	13.1	6.0	7.1	10.3	13.2	17.0	20.6	22.7	23.5	23.4

Table S12: Percentage of mortality cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
QATAR																		
SMOKING																		
A. Communicable diseases	-	13.6	10.0	5.2	3.5	2.2	2.9	3.4	3.9	-	11.2	8.8	4.0	4.0	3.5	2.6	2.5	3.6
Respiratory infections and tuberculosis	-	13.6	10.0	5.2	3.5	2.2	2.9	3.4	3.9	-	11.2	8.8	4.0	4.0	3.5	2.6	2.5	3.6
B. Non-communicable diseases	-	86.4	90.0	90.1	94.6	96.7	96.1	95.9	95.6	-	88.8	91.2	95.0	95.2	96.2	97.3	97.3	96.2
Neoplasms	-	8.3	10.6	13.3	19.0	23.0	29.4	33.7	37.9	-	29.7	24.4	25.2	26.2	28.1	32.6	26.1	28.9
Cardiovascular diseases	-	73.9	75.3	72.8	70.5	66.4	55.6	49.0	40.3	-	51.7	58.3	61.2	59.8	56.7	53.4	54.5	48.8
Chronic respiratory diseases	-	2.2	1.9	1.6	1.9	2.0	2.8	4.1	6.8	-	3.6	4.1	3.0	2.6	3.4	3.1	3.1	4.5
Digestive diseases	-	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.3	-	0.9	0.8	1.0	0.7	0.9	0.6	0.4	0.4
Neurological disorders	-	0.4	0.3	0.2	0.2	0.5	0.8	1.5	3.0	-	0.4	0.4	0.4	0.5	1.0	1.7	2.5	4.7
Type2 diabetes mellitus	-	1.0	1.5	1.7	2.7	4.5	7.2	7.3	7.4	-	2.5	3.3	4.3	5.4	6.1	6.0	10.7	9.0
C. Injuries	-	-	-	4.6	1.9	1.1	1.1	0.6	0.5	-	-	-	1.0	0.8	0.3	0.2	0.2	0.2
SHS																		
A. Communicable diseases	22.3	14.3	10.9	6.7	4.7	2.9	3.9	5.0	5.6	32.9	13.5	9.0	4.6	5.8	5.4	4.1	4.4	5.9
Respiratory infections and tuberculosis	22.3	14.3	10.9	6.7	4.7	2.9	3.9	5.0	5.6	32.9	13.5	9.0	4.6	5.8	5.4	4.1	4.4	5.9
B. Non-communicable diseases	77.7	85.7	89.1	93.3	95.3	97.1	96.1	95.0	94.4	67.1	86.5	91.0	95.4	94.2	94.6	95.9	95.6	94.1
Neoplasms	1.5	2.9	2.7	3.4	5.2	5.6	6.1	8.0	6.9	7.4	20.6	31.0	31.0	27.0	22.9	16.8	10.2	8.4
Cardiovascular diseases	70.9	75.8	79.0	81.9	76.2	68.6	61.5	51.4	44.9	47.8	49.1	43.7	42.1	43.3	36.2	40.0	39.3	38.8
Chronic respiratory diseases	3.7	3.9	2.4	2.3	2.0	2.0	2.5	3.9	5.6	6.2	6.6	6.8	3.9	4.1	4.5	3.3	3.3	3.8
Type2 diabetes mellitus	1.6	3.0	5.0	5.7	11.9	20.9	26.1	31.6	37.0	5.7	10.2	9.5	18.4	19.7	31.1	35.9	42.7	43.1

Table S12: Percentage of mortality cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
SAUDI ARABIA																		
SMOKING																		
A. Communicable diseases	-	16.3	12.0	7.6	5.5	4.9	5.2	5.6	6.1	-	15.8	16.4	9.5	7.3	6.8	6.3	6.0	7.3
Respiratory infections and tuberculosis	-	16.3	12.0	7.6	5.5	4.9	5.2	5.6	6.1	-	15.8	16.4	9.5	7.3	6.8	6.3	6.0	7.3
B. Non-communicable diseases	-	83.7	88.0	88.7	92.5	94.0	93.9	93.6	93.4	-	84.2	83.6	89.1	91.7	92.2	93.0	93.5	92.0
Neoplasms	-	5.6	8.2	9.7	12.7	14.4	20.4	21.9	27.3	-	18.6	9.7	9.2	11.1	11.3	12.4	10.4	11.6
Cardiovascular diseases	-	75.1	76.5	75.9	75.9	74.5	66.3	62.0	53.2	-	59.8	68.2	75.3	75.4	74.5	72.1	74.2	67.7
Chronic respiratory diseases	-	1.7	2.1	1.9	2.2	3.2	4.5	6.0	8.4	-	4.3	3.0	2.7	2.9	3.3	5.1	5.7	8.1
Digestive diseases	-	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	-	0.4	0.5	0.3	0.2	0.3	0.2	0.2	0.2
Neurological disorders	-	0.2	0.2	0.1	0.2	0.4	0.7	1.2	2.6	-	0.2	0.3	0.3	0.4	0.5	0.7	1.1	2.0
Type2 diabetes mellitus	-	0.7	0.8	0.9	1.4	1.3	1.9	2.2	1.6	-	1.1	2.0	1.4	1.7	2.3	2.5	2.0	2.3
C. Injuries	-	-	-	3.7	2.0	1.1	0.9	0.8	0.5	-	-	-	1.4	1.0	1.0	0.7	0.6	0.8
SHS																		
A. Communicable diseases	15.5	11.9	9.2	6.7	5.2	5.3	5.7	6.7	7.6	20.2	15.3	12.9	10.0	8.7	9.2	7.9	8.4	9.2
Respiratory infections and tuberculosis	15.5	11.9	9.2	6.7	5.2	5.3	5.7	6.7	7.6	20.2	15.3	12.9	10.0	8.7	9.2	7.9	8.4	9.2
B. Non-communicable diseases	84.5	88.1	90.8	93.3	94.8	94.7	94.3	93.3	92.4	79.8	84.7	87.1	90.0	91.3	90.8	92.1	91.6	90.8
Neoplasms	0.8	1.1	1.5	1.6	2.0	2.2	2.7	3.4	4.1	3.3	8.4	12.4	11.0	9.6	7.2	5.1	3.5	2.6
Cardiovascular diseases	79.7	82.3	83.7	85.4	84.0	81.5	77.5	73.0	69.2	66.7	64.1	62.9	66.6	67.3	67.3	68.2	68.9	68.2
Chronic respiratory diseases	2.2	1.9	2.2	1.9	1.9	2.9	3.5	5.0	6.4	3.7	4.3	3.6	2.8	3.1	3.9	4.8	5.4	6.2
Type2 diabetes mellitus	1.8	2.7	3.4	4.4	6.8	8.1	10.6	11.9	12.7	6.2	8.0	8.3	9.7	11.3	12.4	14.0	13.7	13.7

Table S12: Percentage of mortality cost distribution by cause of disease, age and gender in the GCC countries, 2016 (continued)

	Men									Women								
	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
UAE																		
SMOKING																		
A. Communicable diseases	-	10.1	6.2	3.4	2.6	2.1	2.8	4.2	6.4	-	8.6	5.9	4.3	2.2	2.0	1.8	2.5	5.1
Respiratory infections and tuberculosis	-	10.1	6.2	3.4	2.6	2.1	2.8	4.2	6.4	-	8.6	5.9	4.3	2.2	2.0	1.8	2.5	5.1
B. Non-communicable diseases	-	89.9	93.8	93.5	95.9	96.8	96.2	95.3	93.1	-	91.4	94.1	93.0	97.2	97.1	98.0	96.6	94.5
Neoplasms	-	9.9	14.5	14.5	16.5	18.9	27.9	27.7	29.9	-	12.3	24.0	20.9	24.1	25.7	32.6	28.7	18.8
Cardiovascular diseases	-	60.1	59.6	63.0	61.6	59.9	50.0	49.8	43.1	-	71.1	58.1	59.3	64.7	61.6	52.8	48.8	58.2
Chronic respiratory diseases	-	18.2	18.3	14.7	15.5	14.7	13.3	12.9	13.5	-	6.2	7.0	9.9	6.4	5.9	9.5	6.9	9.5
Digestive diseases	-	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	-	0.2	0.6	0.3	0.4	0.4	0.2	0.4	0.5
Neurological disorders	-	0.5	0.3	0.2	0.2	0.4	0.7	1.2	2.4	-	1.0	2.0	0.5	0.5	0.6	1.1	1.2	2.9
Type2 diabetes mellitus	-	0.7	0.6	0.8	1.9	2.5	4.1	3.4	3.9	-	0.6	2.3	1.9	1.0	2.9	1.8	10.5	4.6
C. Injuries	-	-	-	3.0	1.5	1.0	0.9	0.5	0.6	-	-	-	2.7	0.7	0.9	0.2	0.9	0.4
SHS																		
A. Communicable diseases	10.4	7.5	5.2	3.6	2.9	2.7	3.8	6.0	9.1	16.4	10.4	6.1	5.6	3.2	2.9	2.9	4.4	7.3
Respiratory infections and tuberculosis	10.4	7.5	5.2	3.6	2.9	2.7	3.8	6.0	9.1	16.4	10.4	6.1	5.6	3.2	2.9	2.9	4.4	7.3
B. Non-communicable diseases	89.6	92.5	94.8	96.4	97.1	97.3	96.2	94.0	90.9	83.6	89.6	93.9	94.4	96.8	97.1	97.1	95.6	92.7
Neoplasms	0.9	1.8	2.1	2.0	2.1	2.5	4.1	5.0	4.6	3.8	11.2	17.6	20.9	21.0	18.8	15.0	7.5	3.6
Cardiovascular diseases	60.4	62.3	69.7	74.5	70.9	66.8	61.9	56.4	53.6	71.0	64.2	59.6	54.3	58.0	53.1	49.0	50.3	51.1
Chronic respiratory diseases	27.3	26.4	20.7	15.9	14.7	14.5	11.5	11.5	11.1	6.9	9.7	10.1	11.0	7.4	7.2	9.0	7.7	6.9
Type2 diabetes mellitus	1.0	2.0	2.4	4.0	9.4	13.5	18.8	21.1	21.6	2.0	4.5	6.5	8.2	10.5	18.1	24.1	30.1	31.1

SHS, Secondhand smoke exposure; for age groups 15-19 and 20-24, mortality cost related to SHS is not presented, as the only cause is lower respiratory infections in category "Respiratory infections and tuberculosis"

Table S13: Mortality cost and total cost of smoking and secondhand smoke exposure at 0% and 3% discount rate (r), GCC Countries, 2016.

	Mortality Cost of Smoking & SHS			Total Cost of Smoking & SHS		
	% of GDP		Change in Total Cost (%)	% of GDP		Change in Total Cost (%)
	r=0%	r=3%		r=0%	r=3%	
Bahrain	0.34	0.27	-21.3	1.41	1.34	-5.1
Kuwait	0.53	0.39	-26.3	1.45	1.31	-9.6
Oman	0.30	0.23	-22.2	0.97	0.90	-6.9
Qatar	0.17	0.13	-23.4	0.59	0.55	-6.6
KSA	0.34	0.27	-22.2	0.98	0.90	-7.8
UAE	0.51	0.38	-24.2	1.23	1.11	-9.9
All	0.37	0.29	-23.3	1.04	0.96	-8.3

KSA, Kingdom of Saudi Arabia; UAE, United Arab Emirates; SHS, secondhand smoke exposure; GDP, Gross Domestic Product

Table S14: Total cost of smoking and secondhand smoke exposure, including musculoskeletal disorders by country.

	Morbidity Cost of Smoking		Mortality Cost of Smoking		Total Cost of Smoking			Total Cost of Smoking & SHS		
	PPP \$ (Million)	% Change*	PPP \$ (Million)	% Change*	PPP \$ (Million)	% of GDP	% Change*	PPP \$ (Million)	% of GDP	% Change*
Bahrain	371	89.6	181	0.03	885	1.31	24.7	1,127	1.67%	18.4%
Kuwait	1,459	101.3	1,325	0.01	4,182	1.42	21.3	5,001	1.70%	17.2%
Oman	617	95.9	453	0.01	1,704	0.90	21.6	2,120	1.13%	16.6%
Qatar	1,001	106.3	448	0.01	1,981	0.60	35.2	2,451	0.75%	26.7%
KSA	6,073	126.2	5,173	0.01	17,021	0.97	24.9	20,580	1.17%	19.7%
UAE	3,314	97.0	2,941	0.01	8,439	1.25	24.0	9,984	1.47%	19.5%
All	12,836	110.8	10,523	0.01	34,211	1.03	24.6	41,261	1.25%	19.6%

KSA, Kingdom of Saudi Arabia; UAE, United Arab Emirates; SHS, secondhand smoke exposure; PPP\$, purchasing power parity dollars using international Monetary Fund 2016 conversion rates; GDP, Gross Domestic Product.

* Percentage change in cost when musculoskeletal disorders are included.

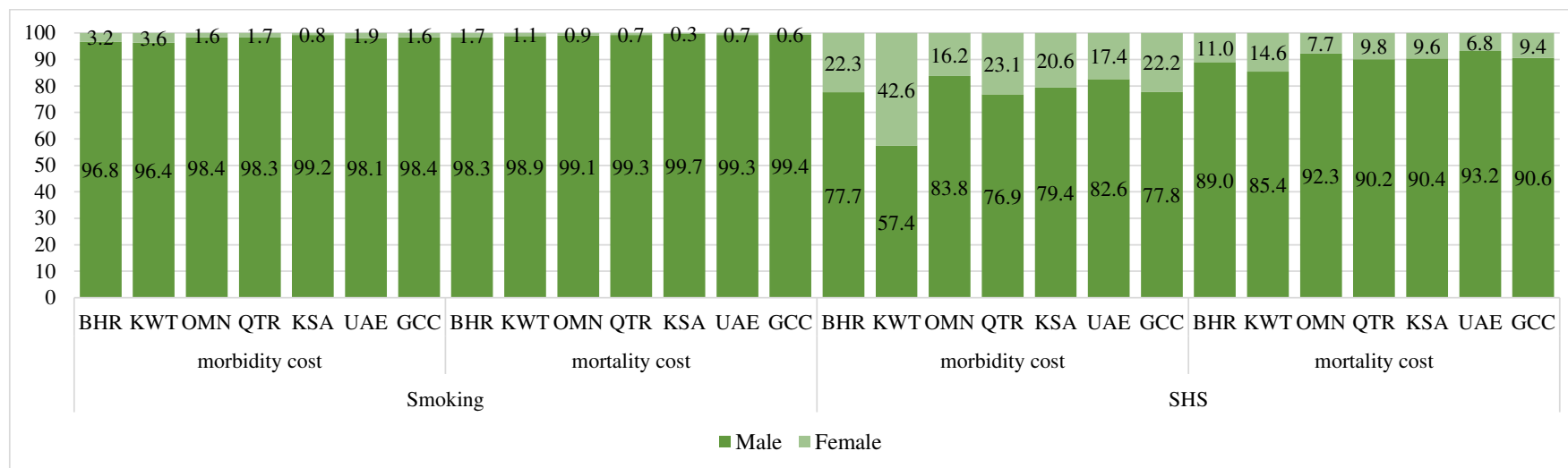
Table S15: Percentage distribution of morbidity, mortality and indirect cost by cause of disease, smoking and SHS, ages 30-69 (smoking) & 15-69 (SHS), both genders, GCC countries, 2016.

	BHR	KWT	OMN	QTR	KSA	UAE	ALL
<u>Including Musculoskeletal Disorders</u>							
Morbidity Cost of Smoking & SHS (%)							
A. Communicable diseases	0.3	0.4	0.5	0.4	0.5	0.3	0.4
Respiratory infections and tuberculosis	0.3	0.4	0.5	0.4	0.5	0.3	0.4
B. Non-communicable diseases	99.2	99.0	99.1	99.0	98.8	99.1	98.9
Neoplasms	0.5	0.5	0.5	0.5	0.6	0.6	0.6
Cardiovascular diseases	8.9	9.5	10.3	8.2	9.8	7.9	9.1
Chronic respiratory diseases	21.7	20.1	16.6	18.5	14.1	25.0	18.3
Digestive diseases	0.8	0.8	1.0	1.2	1.0	0.8	0.9
Neurological disorders	0.3	0.4	0.3	0.3	0.3	0.3	0.3
Type2 diabetes mellitus	27.9	23.8	26.6	27.7	24.6	22.3	24.4
Musculoskeletal disorders	38.3	42.9	41.2	42.0	47.5	41.6	44.4
Sense organ diseases	0.9	1.1	2.6	0.7	0.9	0.7	0.9
C. Injuries	0.5	0.6	0.4	0.6	0.8	0.6	0.7
Mortality Cost of Smoking & SHS (%)							
A. Communicable diseases	4.7	5.9	6.5	5.7	8.0	4.0	6.4
Respiratory infections and tuberculosis	4.7	5.9	6.5	5.7	8.0	4.0	6.4
B. Non-communicable diseases	95.0	93.7	92.8	93.1	90.7	94.8	92.5
Neoplasms	15.5	9.3	10.3	18.2	11.2	15.6	12.5
Cardiovascular diseases	64.5	81.4	78.1	65.7	74.2	60.4	70.9
Chronic respiratory diseases	2.7	1.2	0.9	2.4	2.8	15.4	6.0
Digestive diseases	0.3	0.2	0.3	0.3	0.2	0.3	0.2
Neurological disorders	0.5	0.3	0.3	0.5	0.3	0.3	0.3
Type2 diabetes mellitus	11.5	1.2	2.9	5.9	2.0	2.8	2.5
Musculoskeletal disorders	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sense organ diseases	-	-	-	-	-	-	-
C. Injuries	0.3	0.4	0.8	1.2	1.3	1.2	1.1
Indirect Cost of Smoking & SHS (%)							
A. Communicable diseases	1.8	3.0	3.1	2.0	3.9	2.0	3.1
Respiratory infections and tuberculosis	1.8	3.0	3.1	2.0	3.9	2.0	3.1
B. Non-communicable diseases	97.8	96.5	96.4	97.2	95.1	97.1	96.1
Neoplasms	5.5	4.7	4.7	5.9	5.5	7.6	5.9
Cardiovascular diseases	27.4	43.8	39.7	25.9	39.3	32.4	36.8
Chronic respiratory diseases	15.4	11.1	9.8	13.5	8.9	20.5	12.8
Digestive diseases	0.6	0.5	0.7	0.9	0.6	0.6	0.6
Neurological disorders	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Type2 diabetes mellitus	22.4	13.0	16.3	21.0	14.3	13.2	14.6
Musculoskeletal disorders	25.6	22.4	23.3	29.1	25.7	22.2	24.5
Sense organ diseases	0.6	0.6	1.5	0.5	0.5	0.4	0.5
C. Injuries	0.4	0.5	0.6	0.8	1.0	0.9	0.9

Table S15: Percentage distribution of morbidity, mortality and indirect cost by cause of disease, smoking & SHS, ages 30-69 (smoking) & 15-69 (SHS), both genders, GCC countries, 2016. (Continued)

	BHR	KWT	OMN	QTR	KSA	UAE	ALL
<u>Excluding Musculoskeletal Disorders</u>							
Morbidity Cost of Smoking & SHS (%)							
A. Communicable diseases	0.5	0.7	0.8	0.6	0.9	0.5	0.7
Respiratory infections and tuberculosis	0.5	0.7	0.8	0.6	0.9	0.5	0.7
B. Non-communicable diseases	98.7	98.3	98.5	98.3	97.6	98.4	98.1
Neoplasms	0.7	0.9	0.8	0.8	1.2	1.1	1.1
Cardiovascular diseases	14.4	16.6	17.5	14.1	18.7	13.5	16.4
Chronic respiratory diseases	35.2	35.2	28.2	31.8	26.9	42.7	32.9
Digestive diseases	1.3	1.4	1.7	2.1	1.8	1.3	1.6
Neurological disorders	0.5	0.7	0.5	0.5	0.5	0.5	0.5
Type2 diabetes mellitus	45.3	41.7	45.3	47.7	46.9	38.1	43.9
Sense organ diseases	1.4	1.9	4.5	1.2	1.7	1.1	1.6
C. Injuries	0.7	1.0	0.7	1.1	1.5	1.1	1.2
Mortality Cost of Smoking & SHS (%)							
A. Communicable diseases	4.7	5.9	6.5	5.7	8.0	4.0	6.4
Respiratory infections and tuberculosis	4.7	5.9	6.5	5.7	8.0	4.0	6.4
B. Non-communicable diseases	95.0	93.7	92.8	93.1	90.7	94.8	92.5
Neoplasms	15.5	9.3	10.3	18.2	11.2	15.6	12.5
Cardiovascular diseases	64.5	81.4	78.1	65.7	74.2	60.4	70.9
Chronic respiratory diseases	2.7	1.2	0.9	2.4	2.8	15.4	6.0
Digestive diseases	0.3	0.2	0.3	0.3	0.2	0.3	0.2
Neurological disorders	0.5	0.3	0.3	0.5	0.3	0.3	0.3
Type2 diabetes mellitus	11.5	1.2	2.9	5.9	2.0	2.8	2.5
Sense organ diseases	-	-	-	-	-	-	-
C. Injuries	0.3	0.4	0.8	1.2	1.3	1.2	1.1
Indirect Cost of Smoking & SHS (%)							
A. Communicable diseases	2.4	3.9	4.0	2.8	5.3	2.6	4.1
Respiratory infections and tuberculosis	2.4	3.9	4.0	2.8	5.3	2.6	4.1
B. Non-communicable diseases	97.1	95.5	95.3	96.0	93.4	96.3	94.8
Neoplasms	7.3	6.1	6.2	8.4	7.4	9.8	7.9
Cardiovascular diseases	36.8	56.5	51.8	36.5	52.9	41.6	48.8
Chronic respiratory diseases	20.6	14.3	12.8	19.1	12.0	26.4	16.9
Digestive diseases	0.8	0.7	0.9	1.3	0.8	0.7	0.8
Neurological disorders	0.5	0.4	0.4	0.5	0.4	0.4	0.4
Type2 diabetes mellitus	30.1	16.8	21.3	29.6	19.2	17.0	19.3
Sense organ diseases	0.8	0.7	1.9	0.7	0.6	0.5	0.7
C. Injuries	0.5	0.6	0.8	1.1	1.4	1.1	1.2

BHR, Bahrain; KWT, Kuwait; OMN, Oman; QTR, Qatar; KSA, Kingdom of Saudi Arabia; UAE, United Arab Emirates; GCC, Gulf Cooperation Council; SHS, Secondhand smoke.

Figure S1: Percentage of morbidity and mortality cost distribution by gender and country, 2016.

BHR, Bahrain; KWT, Kuwait; OMN, Oman; QTR, Qatar; KSA, Kingdom of Saudi Arabia; UAE, United Arab Emirates; GCC, Gulf Cooperation Council; SHS, Secondhand smoke.