

Annex Table 7 Selected population attributable fractions by risk factor, sex and level of development (% DALYs for each cause), 2000^a

	World			High mortality developing AFR-D, AFR-E, AMR-D, EMR-D, SEAR-D		Low mortality developing AMR-B, EMR-B, SEAR-B, WPR-B		Developed AMR-A, EUR-A, EUR-B, EUR-C, WPR-A	
	Males	Females	Both sexes	Males	Females	Males	Females	Males	Females
Childhood and maternal undernutrition									
Underweight									
Diarrhoeal diseases	44	45	45	49	49	24	21	13	12
Low birth weight	10	11	10	12	12	3	3	2	2
Lower respiratory infections	40	40	40	46	46	23	25	7	8
Malaria	45	45	45	46	45	9	14	0	0
Measles	33	33	33	34	34	22	23	10	10
Protein-energy malnutrition	89	88	88	88	88	91	92	77	78
Iron deficiency									
Anaemia	100	100	100	100	100	100	100	100	100
Maternal mortality	...	11	11	...	13	...	6	...	1
Perinatal mortality	20	19	19	22	22	13	13	8	7
Vitamin A deficiency									
Diarrhoeal diseases	18	18	18	19	19	10	9	0	0
Malaria	17	16	16	17	17	5	7	0	0
Maternal mortality	...	10	10	...	12	...	5	...	0
Measles	15	15	15	15	15	12	13	0	0
Other infectious diseases	2	2	2	2	2	1	1	0	0
Zinc deficiency									
Diarrhoeal diseases	10	10	10	11	11	3	3	2	2
Lower respiratory infections	16	16	16	19	19	5	5	2	3
Malaria	18	18	18	19	18	3	4	1	1
Other diet-related risks and physical inactivity									
Blood pressure									
Cerebrovascular disease	61	62	62	56	56	57	60	72	72
Ischaemic heart disease	50	47	49	45	41	45	46	59	55
Other cardiovascular disease	14	13	14	11	10	12	12	20	18
Cholesterol									
Ischaemic heart disease	55	57	56	50	57	48	47	63	63
Ischaemic stroke	30	34	32	27	35	25	27	39	41
Overweight									
Diabetes mellitus	50	66	58	26	51	54	68	75	83
Ischaemic heart disease	21	22	21	8	14	22	23	34	33
Ischaemic stroke	21	25	23	9	14	20	23	34	35
Hypertensive disease	36	41	39	22	30	35	40	57	59
Breast cancer	...	8	8	...	4	...	6	...	12
Colon/rectum cancer	11	13	12	4	6	8	10	15	17
Corpus uteri cancer	...	42	42	...	29	...	36	...	49
Osteoarthritis	11	14	13	5	8	10	12	19	23
Low fruit and vegetable intake									
Ischaemic heart disease	30	31	31	32	34	31	31	29	27
Ischaemic stroke	19	20	19	20	21	19	20	18	18
Oesophagus cancer	19	21	20	22	23	19	20	17	17
Stomach cancer	19	20	19	20	22	19	20	18	18
Colon/rectum cancer	2	3	2	3	3	3	3	2	2
Trachea/bronchus/lung cancers	12	13	12	14	16	13	13	11	11
Physical inactivity									
Ischaemic heart disease	22	21	22	21	21	22	21	23	22
Ischaemic stroke	11	12	11	10	11	11	11	12	13
Breast cancer	...	10	10	...	9	...	10	...	11
Colon/rectum cancer	16	16	16	15	15	15	16	16	17
Diabetes mellitus	14	15	14	13	14	14	15	15	15

	World			High mortality developing AFR-D, AFR-E, AMR-D, EMR-D, SEAR-D		Low mortality developing AMR-B, EMR-B, SEAR-B, WPR-B		Developed AMR-A, EUR-A, EUR-B, EUR-C, WPR-A	
	Males	Females	Both sexes	Males	Females	Males	Females	Males	Females
Sexual and reproductive health									
Unsafe sex									
Cervix uteri cancer	...	100	100	...	100	...	100	...	100
HIV/AIDS	92	97	94	95	98	68	69	50	51
Sexually transmitted diseases	100	100	100	100	100	100	100	100	100
Lack of contraception									
Unsafe abortion	...	89	89	...	90	...	82	...	83
Unplanned pregnancies and maternal complications	...	17	17	...	19	...	13	...	10
Addictive substances									
Tobacco									
Chronic obstructive pulmonary disease	49	24	38	58	19	35	14	79	57
Mouth and oropharynx cancers	15	20	16	29	35	0	0	0	0
Trachea/bronchus/lung cancers	76	42	66	75	25	57	20	90	69
Other cancers	13	1	7	5	0	12	1	19	2
Other medical conditions	8	2	5	5	1	7	1	16	6
Cardiovascular disease	19	4	12	14	2	12	2	32	10
Alcohol									
Cirrhosis of the liver	39	18	32	19	7	45	13	63	49
Drowning	12	6	10	8	4	10	6	43	25
Epilepsy	23	12	18	14	7	27	13	45	36
Falls	9	3	7	5	1	8	3	21	8
Haemorrhagic stroke	18	1	10	7	2	21	2	26	0
Homicide	26	16	24	18	12	28	16	41	32
Ischaemic heart disease	4	-1	2	7	0	5	0	2	-3
Ischaemic stroke	3	-6	-1	1	0	3	0	5	-16
Unipolar depressive disorders	3	1	2	2	0	3	0	7	2
Liver cancer	30	13	25	23	10	32	11	36	28
Mouth and oropharynx cancers	22	9	19	11	4	28	10	41	28
Oesophagus cancer	37	15	29	17	6	42	16	46	36
Other cancers	6	3	4	2	1	5	2	11	8
Self-inflicted injuries	15	5	11	8	2	10	5	27	12
Poisoning	23	9	18	7	3	11	7	43	26
Other intentional injuries	13	7	12	7	3	20	11	32	19
Motor vehicle accidents	25	8	20	19	5	25	8	45	18
Other unintentional injuries	15	5	11	10	4	15	6	32	16
Illicit drugs									
Drug use disorders	100	100	100	100	100	100	100	100	100
HIV/AIDS	4	1	2	0	0	28	9	43	68
Self-inflicted injuries	5	2	4	10	2	1	0	5	9
Unintentional injuries	1	1	1	1	0	1	1	2	6
Environmental risks									
Unsafe water, sanitation and hygiene									
Diarrhoeal diseases	88	88	88	88	88	88	88	80	80
Urban air pollution									
Cardiopulmonary diseases ^b	2	2	2	1	1	4	4	2	2
Respiratory infections	1	1	1	1	1	1	2	0	1
Trachea/bronchus/lung cancers	5	6	5	5	4	8	9	3	3
Indoor smoke from solid fuels									
Chronic obstructive pulmonary disease	13	34	22	13	45	16	40	1	4
Lower respiratory infections	36	36	36	41	41	20	21	10	11
Trachea/bronchus/lung cancers	1	3	1	0	1	2	7	0	0
Lead exposure									
Cerebrovascular disease	4	2	3	4	3	3	2	4	2
Hypertensive disease	6	3	5	8	4	5	3	6	3

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	World			High mortality developing AFR-D, AFR-E, AMR-D, EMR-D, SEAR-D		Low mortality developing AMR-B, EMR-B, SEAR-B, WPR-B		Developed AMR-A, EUR-A, EUR-B, EUR-C, WPR-A	
	Males	Females	Both sexes	Males	Females	Males	Females	Males	Females
	Ischaemic heart disease	3	2	2	3	2	3	2	3
Other cardiovascular disease	1	0	1	1	0	1	0	1	0
Climate change									
Diarrhoeal diseases	2	2	2	2	3	2	2	1	1
Malaria	2	2	2	2	2	6	4	1	0
Other unintentional injuries	0	1	0	0	0	1	1	0	0
Protein-energy malnutrition	16	18	17	22	23	0	0	0	0
Occupational risks									
Risk factors for injury									
Drowning	1	0	1	1	0	1	0	1	0
Falls	18	3	12	22	3	17	3	12	2
Fires	4	0	2	3	0	11	1	2	0
Motor vehicle accidents	8	1	6	10	2	8	1	5	1
Poisoning	3	0	2	4	0	5	0	1	0
Carcinogens									
Leukaemia	3	2	2	2	1	2	2	3	3
Other malignant neoplasms	2	1	2	2	2	3	2	1	1
Trachea/bronchus/lung cancers	12	6	10	11	4	13	7	12	5
Airborne particulates									
Chronic obstructive pulmonary disease	17	2	10	10	1	20	2	17	4
Ergonomic stressors									
Low back pain	41	32	37	40	31	43	34	39	29
Noise									
Deafness	22	11	16	23	10	24	14	16	8
Other selected risks to health									
Unsafe health care injections									
Cirrhosis of the liver	23	26	24	32	35	24	27	4	5
HIV/AIDS	5	5	5	6	5	2	5	0	1
Hepatitis B	30	29	30	39	36	25	22	2	2
Hepatitis C	32	30	31	47	42	31	26	2	2
Liver cancer	29	27	28	20	22	36	35	2	2
Childhood sexual abuse									
Alcohol use disorders	5	7	5	8	11	5	5	2	7
Drug use disorders	5	8	6	7	11	4	5	2	8
Panic disorder	7	13	11	10	19	6	9	3	10
Post-traumatic stress disorder	21	33	30	27	43	22	26	10	28
Self-inflicted injuries	6	11	8	9	16	5	8	3	8
Unipolar depressive disorders	4	7	6	5	10	3	4	1	5

^a The combined effects of any group of risk factors in this table will often be less than the sum of their separate effects.

^b Selected cardiovascular and pulmonary diseases.

... Data not available or not applicable.

Annex Table 8 Distribution of attributable mortality and DALYs by risk factor, age and sex, 2000^a

	Distribution of attributable deaths (% attributable events)						Distribution of attributable DALYs (% attributable events)					
	Age group				Sex		Age group				Sex	
	0-4	5-14	15-59	60+	Males	Females	0-4	5-14	15-59	60+	Males	Females
Childhood and maternal undernutrition												
Underweight	100	0	0	0	51	49	100	0	0	0	51	49
Iron deficiency	72	1	22	4	45	55	62	6	30	2	45	55
Vitamin A deficiency	85	1	14	0	43	57	86	1	12	0	44	56
Zinc deficiency	100	0	0	0	51	49	100	0	0	0	51	49
Other diet-related risks and physical inactivity												
Blood pressure	0	0	19	81	49	51	0	0	43	57	54	46
Cholesterol	0	0	22	78	48	52	0	0	50	50	55	45
Overweight	0	0	26	74	45	55	0	0	57	43	47	53
Low fruit and vegetable intake	0	0	23	77	53	47	0	0	49	51	57	43
Physical inactivity	0	0	21	79	50	50	0	0	48	52	53	47
Sexual and reproductive health risks												
Unsafe sex	16	1	77	6	47	53	18	1	79	2	46	54
Lack of contraception	0	0	100	0	0	100	0	0	100	0	0	100
Addictive substances												
Tobacco	0	0	30	70	79	21	0	0	61	39	82	18
Alcohol	1	1	65	33	91	9	1	3	87	9	85	15
Illicit drugs	0	0	100	0	80	20	0	2	98	0	77	23
Environmental risks												
Unsafe water, sanitation and hygiene	68	5	13	14	52	48	77	8	13	3	51	49
Ambient air pollution	3	0	16	81	51	49	12	0	40	49	56	44
Indoor smoke from solid fuels	56	0	5	38	41	59	83	0	8	9	49	51
Lead exposure	0	0	42	58	66	34	75	0	16	8	55	45
Climate change	86	3	6	5	49	51	88	5	6	1	49	51
Occupational risks												
Risk factors for injury	0	0	85	14	94	6	0	0	96	4	92	8
Carcinogens	0	0	28	72	81	19	0	0	52	48	80	20
Airborne particulates	0	0	11	89	89	11	0	0	54	46	91	9
Ergonomic stressors	0	0	0	0	0	0	0	0	95	5	59	41
Noise	0	0	0	0	0	0	0	0	89	11	67	33
Other selected risks to health												
Unsafe health care injections	10	2	53	35	63	37	16	3	67	13	61	39
Childhood sexual abuse	0	0	80	21	48	52	0	0	96	4	36	64

^a The combined effects of any group of risk factors in this table will often be less than the sum of their separate effects.