

## SUPPLEMENTAL MATERIAL

Supplemental Table 1 Smoking related disease according to ICD 10.

No	Smoking related disease	ICD 10
1	Lung cancer	C33, C34
2	Other cancers	C00-C16, C25, C32, C53, C64-C65, C67, C18, C20, C22, C92
3	Coronary heart disease	I20-I25
4	Other heart disease	I00-I09, I26-I51
5	Cerebrovascular disease	I60-I69
6	Other vascular disease	I70-I78
7	Diabetes mellitus	E10-E14
8	Influenza, pneumonia, tuberculosis	J10-J11, J12-J18, A15-A19
9	Chronic obstructive pulmonary disease (COPD)	J40-J44

Supplemental Table 2 USA and Belarus RRs for all causes, by smoking status

	RR current smokers				RR former smokers			
	35-54	55-64	65-74	75+	35-54	55-64	65-74	75+
<b>Male</b>								
<b>Belarus RR</b>	1.82				1.00*			1.07*
<b>US RR</b>	2.55	2.97	3.02	2.4	1.33	1.47	1.57	1.41
<b>Female</b>								
<b>Belarus RR</b>	1.64				1.12*	1.00*		
<b>US RR</b>	1.79	2.63	2.87	2.47	1.22	1.34	1.53	1.43

Sources: <sup>10</sup>, p. 24 and U.S. Department of Health and Human Services (2014)

Notes: \*Approximated: Belarus RR former=Belarus RR current\*(US RR former/US RR current)

Supplemental Table 3 Economic cost in BiH for all diseases, by age and gender (millions of EUR)

	Belarus RR					US RR				
	35+	35-54	55-64	65-74	75+	35+	35-54	55-64	65-74	75+
<b>Direct</b>										
<b>Male</b>	172.5	55.6	48.3	56.7	11.9	290.9	82.9	85.8	100.3	21.8
<b>Female</b>	112.5	47.0	28.8	27.3	9.3	208.6	56.0	60.9	68.2	23.5
<b>Total direct</b>	284.9	102.6	77.2	84.0	21.2	499.4	138.9	146.7	168.5	45.3
<b>Indirect morbidity</b>										
<b>Male</b>	17.3	10.9	6.1	0.3	0.0	27.6	16.3	10.7	0.5	0.0
<b>Female</b>	8.5	6.1	2.3	0.2	0.0	12.5	7.3	4.9	0.3	0.0
<b>Total morbidity</b>	25.9	17.1	8.4	0.4	0.0	40.1	23.6	15.6	0.8	0.0
<b>Indirect mortality</b>										
<b>Male</b>	46.1	30.2	12.9	2.9	0.2	79.7	48.6	25.2	5.7	0.3
<b>Female</b>	10.6	7.0	2.8	0.7	0.1	16.0	8.3	5.8	1.7	0.2
<b>Total mortality</b>	56.7	37.2	15.6	3.6	0.2	95.7	56.9	31.0	7.4	0.4
<b>Total cost</b>										

<b>Male</b>	<b>235.9</b>	96.7	67.3	59.9	12.1	<b>398.2</b>	147.8	121.8	106.5	22.0
<b>Female</b>	<b>131.6</b>	60.1	33.9	28.2	9.4	<b>237.0</b>	71.5	71.5	70.2	23.7
<b>Total</b>	<b>367.5</b>	<b>156.8</b>	<b>101.2</b>	<b>88.0</b>	<b>21.4</b>	<b>635.1</b>	<b>219.4</b>	<b>193.3</b>	<b>176.7</b>	<b>45.8</b>

Sources: Authors' calculations

Supplemental Table 4 Economic cost in BiH for selected tobacco-related diseases, by age and gender (millions of EUR)

	Total					Direct medical					Indirect morbidity					Indirect mortality					
	35+	35-54	55-64	65-74	75+	35+	35-54	55-64	65-74	75+	35+	35-54	55-64	65-74	75+	35+	35-54	55-64	65-74	75+	
<b>Males</b>																					
Lung cancer	20.3	6.3	9.6	3.9	0.5	5.3	0.5	2.1	0.0	2.4	0.4	0.6	0.2	0.4	0.0	0.0	14.4	5.6	7.2	1.5	0.1
Other cancers	13.0	4.3	4.4	3.7	0.6	6.8	1.1	2.0	0.0	3.1	0.5	1.0	0.4	0.5	0.1	0.0	5.2	2.8	1.8	0.6	0.1
Coronary heart disease	22.2	11.8	6.9	3.1	0.4	7.0	1.6	2.5	0.0	2.4	0.4	1.3	0.8	0.5	0.0	0.0	13.9	9.3	3.9	0.7	0.0
Other heart disease	13.5	5.6	4.4	2.9	0.5	5.7	1.1	1.7	0.0	2.4	0.5	0.8	0.4	0.4	0.0	0.0	7.0	4.2	2.3	0.5	0.1
Cerebrovascular disease	7.0	3.0	2.6	1.3	0.2	2.0	0.3	0.6	0.0	0.9	0.2	0.6	0.3	0.4	0.0	0.0	4.4	2.5	1.6	0.4	0.0
Other vascular disease	4.4	0.9	1.2	1.8	0.5	3.2	0.3	0.8	0.0	1.7	0.5	0.3	0.1	0.2	0.0	0.0	0.9	0.6	0.3	0.2	0.0
Diabetes mellitus	8.2	2.7	3.9	1.6	0.0	6.2	1.7	3.0	0.0	1.5	0.0	0.4	0.2	0.2	0.0	0.0	1.6	0.7	0.8	0.2	0.0
Influenza, pneumonia, tuberculosis	5.6	2.9	1.9	0.6	0.2	2.2	0.8	0.8	0.0	0.5	0.1	0.5	0.3	0.3	0.0	0.0	2.8	1.8	0.8	0.1	0.0
COPD	7.9	0.7	2.2	3.0	2.0	6.4	0.4	1.4	0.0	2.7	1.9	0.3	0.1	0.2	0.1	0.0	1.2	0.3	0.7	0.3	0.1
<b>Total male</b>	<b>102.0</b>	38.2	37.2	22.0	4.7	44.7	7.8	14.9	0.0	17.6	4.4	5.8	2.7	3.0	0.2	0.0	51.5	27.8	19.3	4.2	0.2
<b>Females</b>																					
Lung cancer	5.3	1.9	2.2	1.0	0.1	1.9	0.4	0.8	0.0	0.7	0.1	0.3	0.1	0.2	0.0	0.0	3.1	1.4	1.3	0.3	0.0
Other cancers	4.4	1.2	2.0	0.9	0.2	2.7	0.5	1.2	0.0	0.8	0.2	0.4	0.2	0.2	0.0	0.0	1.3	0.6	0.6	0.1	0.0
Coronary heart disease	5.5	2.0	1.5	1.5	0.4	3.0	0.5	0.8	0.0	1.3	0.4	0.2	0.1	0.1	0.0	0.0	2.3	1.4	0.6	0.2	0.0
Other heart disease	4.6	1.7	1.0	1.2	0.7	2.9	0.6	0.6	0.0	1.0	0.7	0.2	0.1	0.1	0.0	0.0	1.5	1.0	0.4	0.1	0.0
Cerebrovascular disease	2.6	1.2	0.6	0.6	0.3	1.2	0.3	0.2	0.0	0.5	0.3	0.2	0.1	0.1	0.1	0.0	1.2	0.8	0.3	0.2	0.0
Other vascular disease	1.4	0.2	0.2	0.6	0.3	1.1	0.1	0.2	0.0	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0
Diabetes mellitus	7.3	1.1	1.5	1.0	3.7	6.9	0.9	1.3	0.0	1.0	3.7	0.1	0.1	0.1	0.0	0.0	0.4	0.2	0.2	0.1	0.0
Influenza, pneumonia, tuberculosis	2.3	1.1	0.8	0.2	0.1	1.5	0.6	0.6	0.0	0.2	0.1	0.2	0.2	0.1	0.0	0.0	0.6	0.4	0.2	0.0	0.0
COPD	4.6	0.5	1.1	1.6	1.3	4.1	0.4	0.9	0.0	1.6	1.3	0.1	0.0	0.1	0.0	0.0	0.4	0.1	0.2	0.1	0.0
<b>Total female</b>	<b>37.8</b>	11.0	11.0	8.6	7.1	25.2	4.1	6.4	0.0	7.5	7.1	1.6	0.8	0.8	0.1	0.0	10.9	6.1	3.7	1.1	0.1

<b>TOTAL</b>	<b>139.8</b>	49.2	48.2	30.6	11.8	69.9	11.9	21.4	0.0	25.1	11.5	7.5	3.5	3.8	0.3	0.0	62.4	33.8	23.0	5.3	0.3
--------------	--------------	------	------	------	------	------	------	------	-----	------	------	-----	-----	-----	-----	-----	------	------	------	-----	-----

Source: Authors' calculation