

**Supplementary Table 1** Industrial sectors in subjects with malignant mesothelioma, occupationally exposed to asbestos and never exposed to any source of asbestos, by gender, Lombardy Region Mesothelioma Registry, 2000-2012

	<b>Men</b>				<b>Women</b>			
	<b>Occupational asbestos exposure</b>		<b>No occupational, para-occupational, home-related, or environmental asbestos exposure</b>		<b>Occupational asbestos exposure</b>		<b>No occupational, para-occupational, home-related, or environmental asbestos exposure</b>	
	<b>N</b>	<b>%</b>	<b>N</b>	<b>%</b>	<b>N</b>	<b>%</b>	<b>N</b>	<b>%</b>
Industry* (same as in Table 1)	2099	100	493	100	608	100	624	100
Metalmechanic and metallurgy	731	34.8	165	33.5	51	8.4	80	12.8
Building construction	705	33.6	47	9.5	0	0.0	2	0.3
Textile and clothing production	188	9.0	28	5.7	398	65.5	142	22.8
Chemical	122	5.8	39	7.9	18	3.0	43	6.9
Motor vehicle production	136	6.5	33	6.7	7	1.1	5	0.8
Food and beverage	98	4.7	25	5.1	21	3.5	20	3.2
Rubber	71	3.4	3	0.6	23	3.8	5	0.8
Military	87	4.1	9	1.8	0	0.0	0	0.0
Asbestos-cement	65	3.1	0	0.0	12	2.0	0	0.0
Health and social services	39	1.9	27	5.5	38	6.3	60	9.6
Transport	76	3.6	37	7.5	0	0.0	4	0.6
Railroad production and maintenance	51	2.4	0	0.0	3	0.5	0	0.0
Energy production	51	2.4	11	2.2	0	0.0	2	0.3
Other industries*								
Trade	43	2.0	108	21.9	1	0.2	104	16.7
Agriculture and livestock	19	0.9	64	13.0	4	0.7	67	10.7
Education	4	0.2	16	3.3	5	0.8	62	9.9
Bank, insurance, and mail	16	0.8	49	9.9	1	0.2	24	3.9
Oil extraction and refinery	37	1.8	2	0.4	1	0.2	0	0.0
Mineral extraction	10	0.5	0	0.0	0	0.0	1	0.2
Synthetic textile	35	1.7	4	0.8	7	1.2	4	0.6
Refractory materials	28	1.3	11	2.2	4	0.7	5	0.8
Shipbuilding	22	1.0	0	0.0	1	0.2	0	0.0
Wood and cork	13	0.6	24	4.9	1	0.2	6	1.0
Furniture and cabinet making	28	1.3	37	7.5	3	0.5	14	2.2
Leather, skin, and shoes	4	0.2	15	3.0	1	0.2	36	5.8
Glass and ceramic	25	1.2	5	1.0	11	1.8	0	0.0
Paper	47	2.2	19	3.9	1	0.2	35	5.6
Other manufacture	16	0.8	7	1.4	9	1.5	17	2.7
Jewellery	12	0.6	0	0.0	6	1.0	3	0.5
Recycling	7	0.3	5	1.0	2	0.3	1	0.2
Hotels and restaurants	4	0.2	17	3.5	1	0.2	37	5.9
Public administration	22	1.0	14	2.8	1	0.2	14	2.2
Other (miscellaneous)	58	2.8	56	11.4	28	4.6	108	17.3

\*A subject may have been exposed to asbestos in more than one industrial sector in his/her occupational history.

**Supplementary Table 2** Number of cases and incidence rates ( $\times 100,000$  person-years, italics) of malignant mesothelioma by gender, age at diagnosis (20-99 years)\*, and period of diagnosis, Lombardy Region Mesothelioma Registry, 2000-2012

Age (years)	Men				Women			
	2000-2002	2003-2005	2006-2008	2009-2012	2000-2002	2003-2005	2006-2008	2009-2012
20-24	0	0	1	1	0	0	0	0
	-	-	<i>0.2</i>	<i>0.2</i>	-	-	-	-
25-29	0	1	0	0	0	0	0	0
	-	<i>0.1</i>	-	-	-	-	-	-
30-34	2	0	0	1	0	1	1	0
	<i>0.2</i>	-	-	<i>0.1</i>	-	<i>0.1</i>	<i>0.1</i>	-
35-39	5	4	4	4	1	1	2	1
	<i>0.4</i>	<i>0.3</i>	<i>0.3</i>	<i>0.2</i>	<i>0.1</i>	<i>0.1</i>	<i>0.2</i>	<i>0.1</i>
40-44	7	9	5	8	6	3	4	3
	<i>0.7</i>	<i>0.8</i>	<i>0.4</i>	<i>0.5</i>	<i>0.6</i>	<i>0.3</i>	<i>0.3</i>	<i>0.2</i>
45-49	17	9	14	16	9	2	8	7
	<i>1.9</i>	<i>0.9</i>	<i>1.3</i>	<i>1.0</i>	<i>1.0</i>	<i>0.2</i>	<i>0.8</i>	<i>0.5</i>
50-54	30	19	23	34	12	6	11	8
	<i>3.2</i>	<i>2.1</i>	<i>2.5</i>	<i>2.6</i>	<i>1.2</i>	<i>0.6</i>	<i>1.2</i>	<i>0.6</i>
55-59	41	62	49	46	26	19	23	19
	<i>5.0</i>	<i>7.0</i>	<i>5.2</i>	<i>3.9</i>	<i>3.0</i>	<i>2.1</i>	<i>2.4</i>	<i>1.5</i>
60-64	89	99	71	105	38	37	22	42
	<i>10.5</i>	<i>11.9</i>	<i>8.9</i>	<i>8.9</i>	<i>4.2</i>	<i>4.1</i>	<i>2.6</i>	<i>3.3</i>
65-69	98	128	127	180	49	58	55	68
	<i>14.3</i>	<i>17.3</i>	<i>15.9</i>	<i>18.0</i>	<i>6.0</i>	<i>6.8</i>	<i>6.1</i>	<i>6.1</i>
70-74	118	109	132	248	55	55	70	113
	<i>21.9</i>	<i>18.6</i>	<i>21.3</i>	<i>26.6</i>	<i>7.4</i>	<i>7.2</i>	<i>9.0</i>	<i>10.1</i>
75-79	81	100	112	193	59	50	89	117
	<i>21.8</i>	<i>24.5</i>	<i>24.5</i>	<i>28.7</i>	<i>9.4</i>	<i>7.7</i>	<i>13.0</i>	<i>12.5</i>
80-84	37	44	66	123	32	45	72	107
	<i>23.4</i>	<i>19.2</i>	<i>24.2</i>	<i>29.1</i>	<i>9.5</i>	<i>9.5</i>	<i>13.5</i>	<i>14.3</i>
85-89	15	22	33	63	23	30	22	56
	<i>14.5</i>	<i>26.8</i>	<i>32.1</i>	<i>31.77</i>	<i>8.1</i>	<i>13.0</i>	<i>8.2</i>	<i>11.5</i>
90-94	7	15	6	14	7	17	9	12
	<i>23.6</i>	<i>40.9</i>	<i>16.1</i>	<i>30.5</i>	<i>6.2</i>	<i>12.3</i>	<i>6.5</i>	<i>7.3</i>
95-99	2	0	1	0	1	3	3	3
	<i>48.1</i>	-	<i>14.3</i>	-	<i>4.6</i>	<i>10.2</i>	<i>7.8</i>	<i>5.0</i>
Total	549	621	644	1036	318	327	391	556
	<i>5.2</i>	<i>5.7</i>	<i>5.8</i>	<i>6.9</i>	<i>2.8</i>	<i>2.8</i>	<i>3.3</i>	<i>3.4</i>

\*No cases were recorded in subjects <20 years of age

**Supplementary Table 3** Number of cases and incidence rates ( $\times 100,000$  person-years, italics) of malignant mesothelioma in men, by age at diagnosis (20-99 years)\* and birth cohort, Lombardy Region Mesothelioma Registry, 2000-2012

Age (years)	Cohort																		
	1900-	1905-	1910-	1915-	1920-	1925-	1930-	1935-	1940-	1945-	1950-	1955-	1960-	1965-	1970-	1975-	1980-	1985-	Total
20-24																0	0	2	2
																-	-	0.2	0.1
25-29															0	1	0	0	1
															-	0.1	-	-	0.02
30-34														1	1	1	0		3
														0.1	0.05	0.1	-		0.1
35-39													4	7	6	0			17
													0.5	0.3	0.3	-			0.3
40-44												7	14	6	2				29
												1.1	0.8	0.3	0.4				0.6
45-49											14	21	19	2					56
											2.3	1.3	1.1	0.4					1.2
50-54										19	43	31	13						106
										3.0	2.8	2.0	3.1						2.6
55-59									33	95	61	9							198
									6.0	6.4	4.3	2.5							5.2
60-64								66	152	124	22								364
								12.2	10.9	9.1	6.2								10.0
65-69							60	207	226	40									533
							13.6	16.8	18.0	13.5									16.5
70-74						78	184	275	70										607
						23.3	18.9	26.0	22.6										22.7
75-79					41	176	195	74											486
					18.0	25.9	25.1	32.9											25.5
80-84				20	74	134	42												270
				25.9	19.4	28.4	27.4												24.9
85-89			7	34	64	28													133
			11.9	24.2	30.3	36.5													27.3
90-94		2	20	11	9														42
		15.5	33.3	20.6	38.9														28.1
95-99	0	3	0	0															3
	-	36.8	-	-															10.6
Total	0	5	27	65	188	416	481	622	481	278	140	68	50	16	9	2	0	2	2850
	-	23.7	20.5	23.6	22.3	26.6	20.5	20.3	13.7	7.3	3.6	1.7	1.0	0.3	0.2	0.04	-	0.2	6.0

\*No cases were recorded in subjects <20 years of age

**Supplementary Table 4** Number of cases and incidence rates ( $\times 100,000$  person-years, italics) of malignant mesothelioma in women, by age at diagnosis (20-99 years)\* and birth cohort, Lombardy Region Mesothelioma Registry, 2000-2012

Age (years)	Cohort																		Total
	1900-	1905-	1910-	1915-	1920-	1925-	1930-	1935-	1940-	1945-	1950-	1955-	1960-	1965-	1970-	1975-	1980-	1985-	
20-24																0	0	0	0
																-	-	-	-
25-29															0	0	0	0	0
															-	-	-	-	-
30-34														0	2	0	0		2
														-	<i>0.1</i>	-	-		<i>0.1</i>
35-39													2	1	2	0			5
													<i>0.3</i>	<i>0.05</i>	<i>0.1</i>	-			<i>0.1</i>
40-44												5	6	5	0				16
												<i>0.8</i>	<i>0.3</i>	<i>0.3</i>	-				<i>0.3</i>
45-49										5	10	8	3						26
										<i>0.8</i>	<i>0.6</i>	<i>0.5</i>	<i>0.6</i>						<i>0.6</i>
50-54									7	16	10	4							37
									<i>1.1</i>	<i>1.0</i>	<i>0.6</i>	<i>0.9</i>							<i>0.9</i>
55-59								22	31	32	2								87
								<i>3.8</i>	<i>2.0</i>	<i>2.2</i>	<i>0.5</i>								<i>2.2</i>
60-64							25	63	39	12									139
							<i>4.2</i>	<i>4.2</i>	<i>2.7</i>	<i>3.2</i>									<i>3.5</i>
65-69							35	92	91	12									230
							<i>6.6</i>	<i>6.5</i>	<i>6.5</i>	<i>3.7</i>									<i>6.3</i>
70-74						29	104	121	39										293
						<i>6.1</i>	<i>8.2</i>	<i>9.4</i>	<i>10.9</i>										<i>8.6</i>
75-79					46	102	127	40											315
					<i>11.3</i>	<i>9.4</i>	<i>11.3</i>	<i>13.6</i>											<i>10.8</i>
80-84				15	78	120	43												256
				<i>8.5</i>	<i>9.9</i>	<i>13.7</i>	<i>17.3</i>												<i>12.2</i>
85-89			9	48	47	27													131
			<i>5.3</i>	<i>12.3</i>	<i>8.8</i>	<i>15.7</i>													<i>10.3</i>
90-94		2	19	16	8														45
		<i>3.7</i>	<i>8.4</i>	<i>8.1</i>	<i>10.7</i>														<i>8.1</i>
95-99	1	3	3	3															10
	<i>11.2</i>	<i>6.5</i>	<i>4.4</i>	<i>11.7</i>															<i>6.7</i>
Total	1	5	31	82	179	278	309	278	215	89	65	27	20	9	4	0	0	0	1592
	<i>11.2</i>	<i>5.0</i>	<i>6.7</i>	<i>10.4</i>	<i>9.9</i>	<i>10.7</i>	<i>9.7</i>	<i>7.8</i>	<i>5.6</i>	<i>2.2</i>	<i>1.6</i>	<i>0.7</i>	<i>0.4</i>	<i>0.2</i>	<i>0.1</i>	-	-	-	<i>3.1</i>

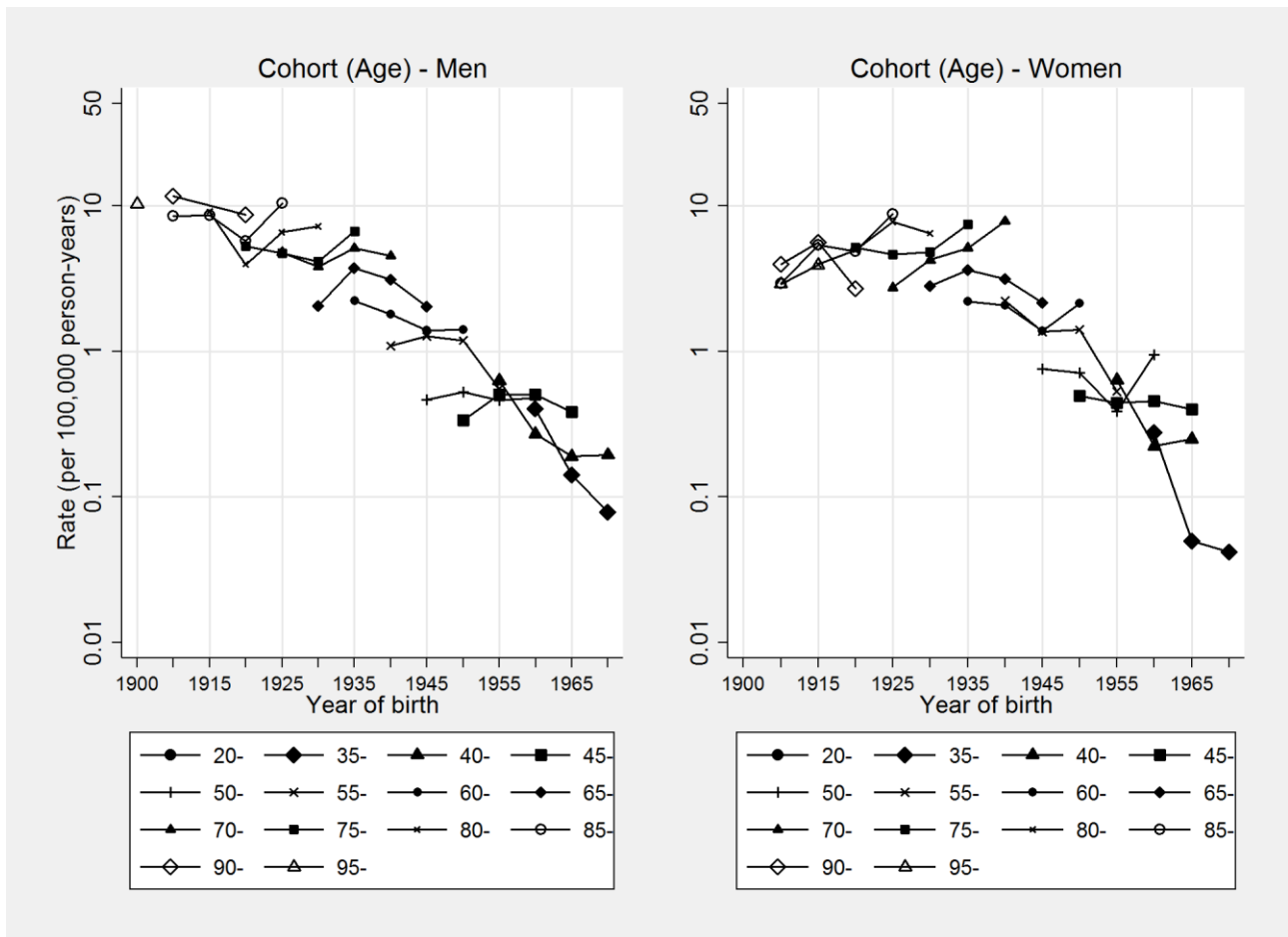
\*No cases were recorded in subjects <20 years of age

**Supplementary Figure 1** Incidence rates (per 100,000 person-years) of malignant mesothelioma (20-99 years of age)\* by birth cohort for different categories of age at diagnosis, Lombardy Region Mesothelioma Registry, 2000-2012. Rates based on cases with occupational exposure to asbestos



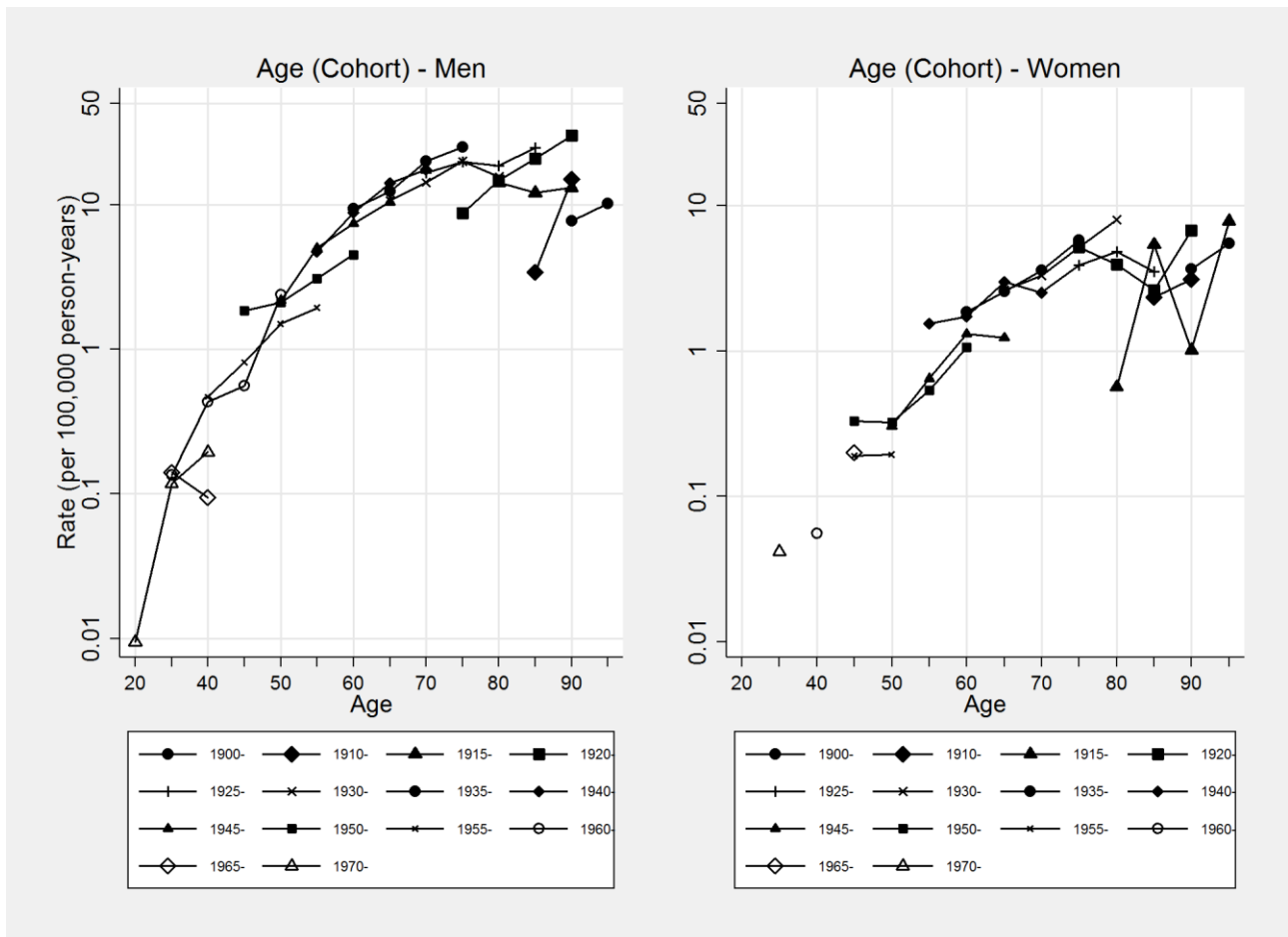
\*No cases were recorded in subjects <20 years of age. Because of small number of cases, ages 25-24, 25-29, and 30-34 and birth cohorts 1970-74, 1975-79, 1980-84, and 1985-89 were combined.

**Supplementary Figure 2** Incidence rates (per 100,000 person-years) of malignant mesothelioma (20-99 years of age)\* by birth cohort for different categories of age at diagnosis, Lombardy Region Mesothelioma Registry, 2000-2012. Rates based on cases without occupational exposure to asbestos



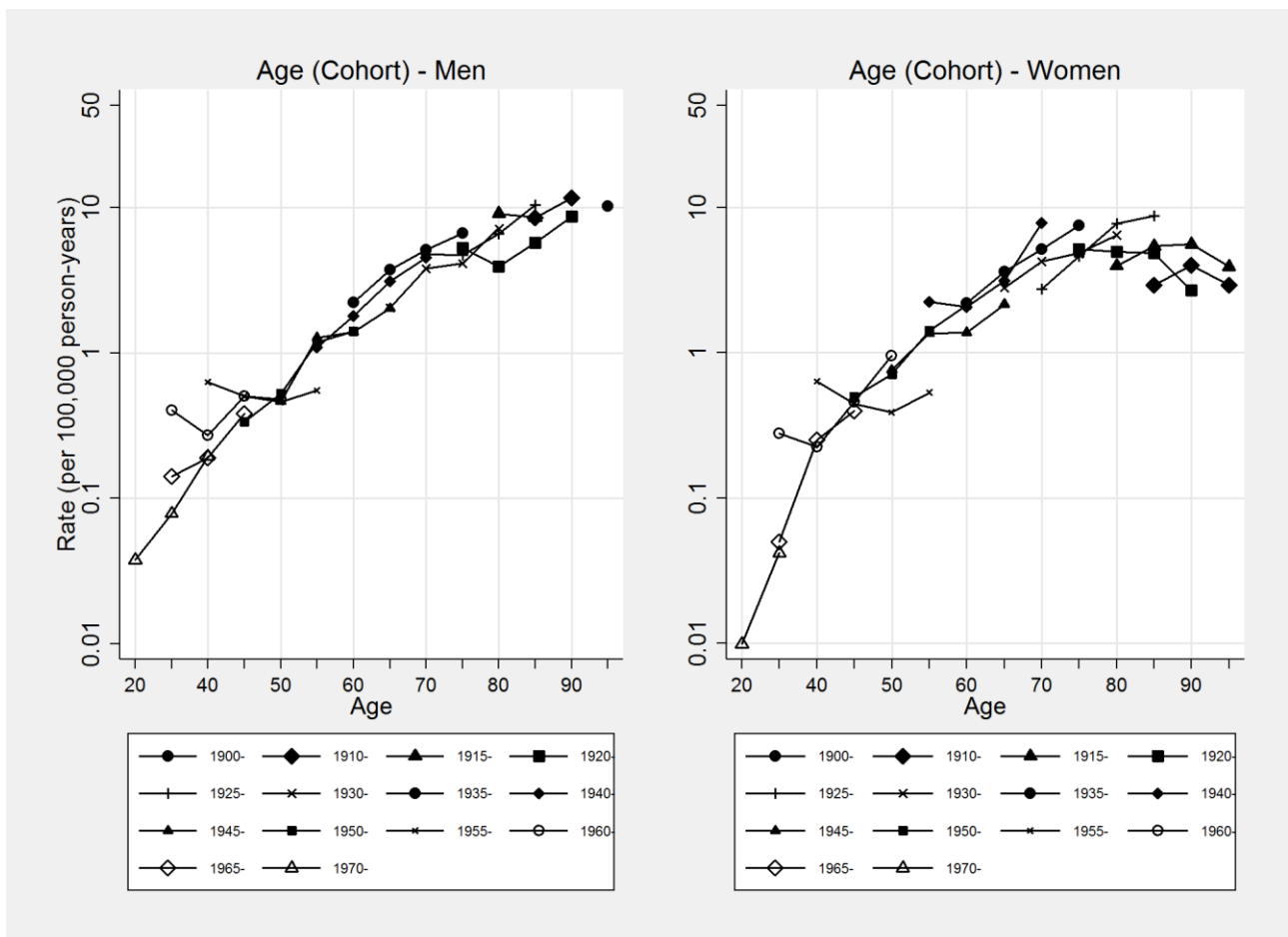
\*No cases were recorded in subjects <20 years of age. Because of small number of cases, ages 25-24, 25-29, and 30-34 and birth cohorts 1970-74, 1975-79, 1980-84, and 1985-89 were combined.

**Supplementary Figure 3** Incidence rates (per 100,000 person-years) of malignant mesothelioma by age at diagnosis (20-99 years)\* for different birth cohorts, Lombardy Region Mesothelioma Registry, 2000-2012. Rates based on cases with occupational exposure to asbestos



\*No cases were recorded in subjects <20 years of age. Because of small number of cases, ages 25-24, 25-29, and 30-34 and birth cohorts 1970-74, 1975-79, 1980-84, and 1985-89 were combined.

**Supplementary Figure 4** Incidence rates (per 100,000 person-years) of malignant mesothelioma by age at diagnosis (20-99 years)\* for different birth cohorts, Lombardy Region Mesothelioma Registry, 2000-2012. Rates based on cases without occupational exposure to asbestos



\*No cases were recorded in subjects <20 years of age. Because of small number of cases, ages 25-24, 25-29, and 30-34 and birth cohorts 1970-74, 1975-79, 1980-84, and 1985-89 were combined.



**Supplementary Figure 5** Observed (2000-2012), model predicted, and projected (2013-2029, based on Poisson age-cohort models) numbers of malignant mesothelioma cases (total and occupationally and non-occupationally exposed to asbestos) per year, by gender, Lombardy Region Mesothelioma Registry

