

**PERITONEAL MALIGNANT MESOTHELIOMA  
Piemonte, 1990-2015**

**Peritoneal malignant mesothelioma. Observed cases, standardized incidence rates ( per 100,000 per year; standard: European population, EU27) and 95% confidence intervals by calendar period and sex.**

<b>INCIDENCE 1990-2015 (definite, probable and possible diagnoses)</b>						
<b>period</b>	<b>MEN</b>			<b>WOMEN</b>		
	<b>observed</b>	<b>rates</b>	<b>95% CI</b>	<b>observed</b>	<b>rates</b>	<b>95% CI</b>
1990-1994	36	0.4	0.2-0.5	15	0.1	0.1-0.2
1995-1999	40	0.4	0.3-0.5	43	0.3	0.2-0.5
2000-2004	40	0.4	0.3-0.5	42	0.3	0.2-0.4
2005-2009	47	0.4	0.3-0.5	34	0.3	0.2-0.3
2010-2014	33	0.3	0.2-0.4	26	0.2	0.1-0.3
2015	7	0.3	0.1-0.5	4	0.1	0.0-0.3

<b>INCIDENCE 1990-2015 (definite diagnoses)</b>						
<b>period</b>	<b>MEN</b>			<b>WOMEN</b>		
	<b>observed</b>	<b>rates</b>	<b>95% CI</b>	<b>observed</b>	<b>rates</b>	<b>95% CI</b>
1990-1994	28	0.3	0.2-0.4	11	0.1	0-0.2
1995-1999	32	0.3	0.2-0.4	32	0.3	0.2-0.4
2000-2004	25	0.2	0.1-0.3	23	0.2	0.1-0.3
2005-2009	31	0.3	0.2-0.4	21	0.2	0.1-0.2
2010-2014	27	0.2	0.1-0.3	21	0.2	0.1-0.2
2015	6	0.2	0.0-0.4	4	0.1	0.0-0.3

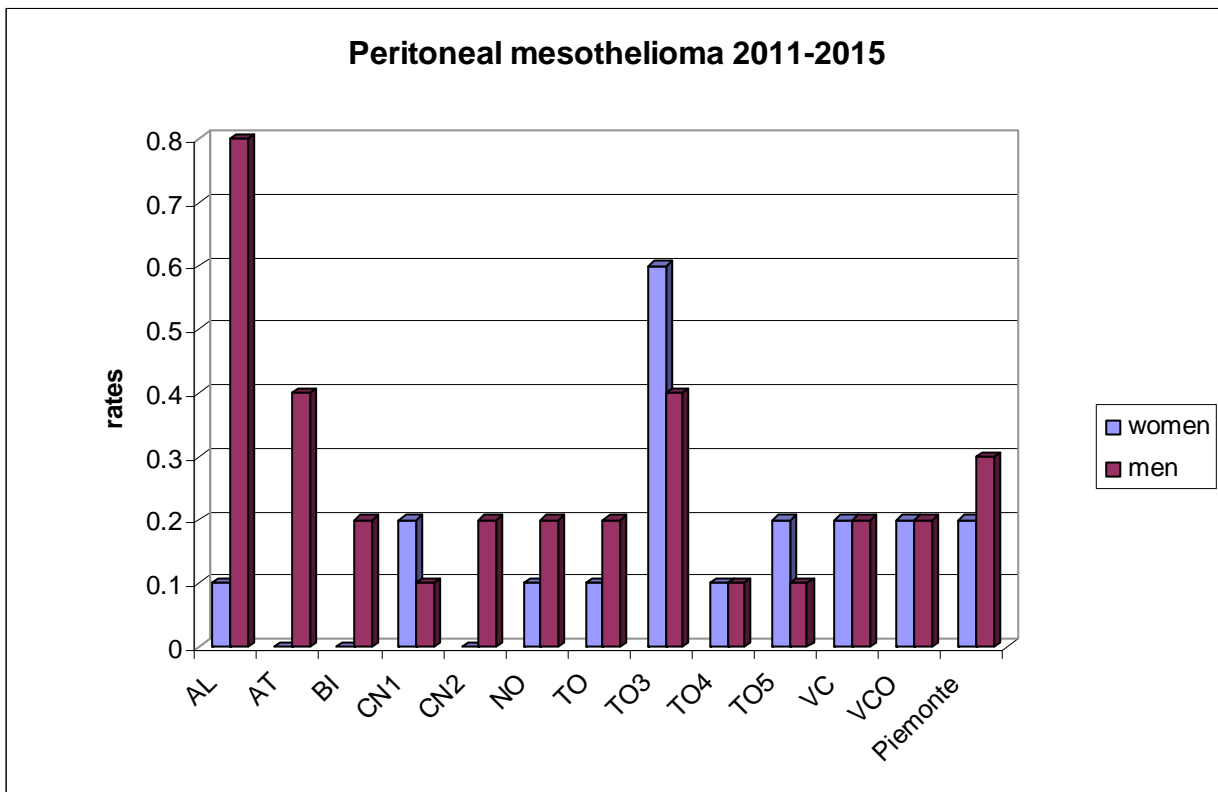
**Peritoneal malignant mesothelioma. Standardized incidence rates ( per 100,000 per year; standard: European populationEU27) , 95% confidence intervals and observed cases, by area and sex. All diagnosis**

INCIDENCE 2011-2015 (definite, probable and possible diagnoses)								
LOCAL DISTRICT	MEN			WOMEN				
	rates	95% CI	observed	rates	95% CI	observed		
Regione Piemonte	0.3	0.2	0.4	33	0.2	0.1	0.3	24
AL/1 (Acqui Terme)	0	0	0	0	0	0	0	0
AL/2 (Alessandria)	0.3	0	0.9	1	0	0	0	0
AL/3 (Casale Monferrato)	2.1	0.3	3.9	5	0	0	0	0
Comune Casale Monferrato	3.3	0	7.0	3	0	0	0	0
AL/4 (Novi Ligure)	0	0	0	0	0	0	0	0
AL/5 (Ovada)	0	0	0	0	0.9	0	2.6	1
AL/6 (Tortona)	0.6	0	1.7	1	0	0	0	0
AL/7 (Valenza)	0	0	0	0	1.2	0	3.5	1
AT/1 (Asti centro)	0	0	0	0	0	0	0	0
AT/2 (Asti nord)	0	0	0	0	0	0	0	0
AT/3 (Asti sud-Nizza M.to)	0.7	0	2.0	1	0	0	0	0
BI/1(Biella)	0	0	0	0	0	0	0	0
BI/2 (Cossato)	0.6	0	1.9	1	0	0	0	0
CN1/1 (Borgo San Dalmazzo)	0	0	0	0	0	0	0	0
CN1/2 (Ceva)	0	0	0	0	0	0	0	0
CN1/3 (Cuneo)	0	0	0	0	0	0	0	0
CN1/4 (Fossano)	0	0	0	0	0	0	0	0
CN1/5 (Mondovì)	0	0	0	0	0.6	0	1.8	1
CN1/6 (Saluzzo)	0.5	0	1.4	1	0.5	0	1.4	1
CN2/1 (Alba)	0.3	0	1.0	1	0	0	0	0
CN2/2 (Bra)	0	0	0	0	0	0	0	0
NO/1 (Arona)	0	0	0	0	0	0	0	0
NO/2 (Borgomanero)	0	0	0	0	0.4	0	1.2	1
NO/3 (Galliate-Trecale)	0.8	0	2.3	1	0	0	0	0
NO/4 (Novara)	0.3	0	0.9	1	0	0	0	0
TO1-10 (Torino)	0.4	0.1	0.6	9	0.1	0	0.3	3
TO3/1 (Collegno)	1.2	0	2.6	3	2.4	0.6	4.2	7
TO3/2 (Giaveno)	0	0	0	0	0	0	0	0
TO3/3 (Orbassano)	0	0	0	0	0	0	0	0
TO3/4 (Pinerolo)	0	0	0	0	0	0	0	0
TO3/5 (Rivoli)	0.6	0	1.7	1	1.0	0	2.4	2
TO3/6 (Susa)	0.8	0	1.9	2	0	0	0	0
TO3/7 (Val Pellice)	0	0	0	0	1.5	0	4.5	1
TO3/8 (Val Chisone e Germanasca)	0	0	0	0	0	0	0	0
TO3/9 (Venaria)	0	0	0	0	0	0	0	0
TO4/1 (Ciriè)	0.3	0	0.9	1	0.3	0	0.8	1
TO4/2 (Chivasso)	0.5	0	1.4	1	0	0	0	0
TO4/3 (Settimo Torinese)	0	0	0	0	0	0	0	0
TO4/4 (SanMAuro Torinese)	0	0	0	0	0	0	0	0
TO4/5 (Ivrea)	0	0	0	0	0.3	0	0.8	1
TO4/6 (Cuorgnè)	0	0	0	0	0	0	0	0
TO5/1(Carmagnola)	0	0	0	0	0	0	0	0
TO5/2 (Chieri)	0	0	0	0	0.3	0	1.0	1
TO5/3 (Moncalieri)	0.5	0	1.4	1	0	0	0	0
TO5/4 (Nichelino)	0	0	0	0	0.4	0	1.3	1
VC/1(Vercelli-Santhià)	0	0	0	0	0	0	0	0
VC/2 (Montano-Borghosesia-Varallo)	0	0	0	0	0	0	0	0
VCO/1(Domodossola)	0	0	0	0	0	0	0	0
VCO/2 (Omegna)	0	0	0	0	0	0	0	0
VCO/3 (Verbania)	0.6	0	1.7	1	0.5	0	1.6	1

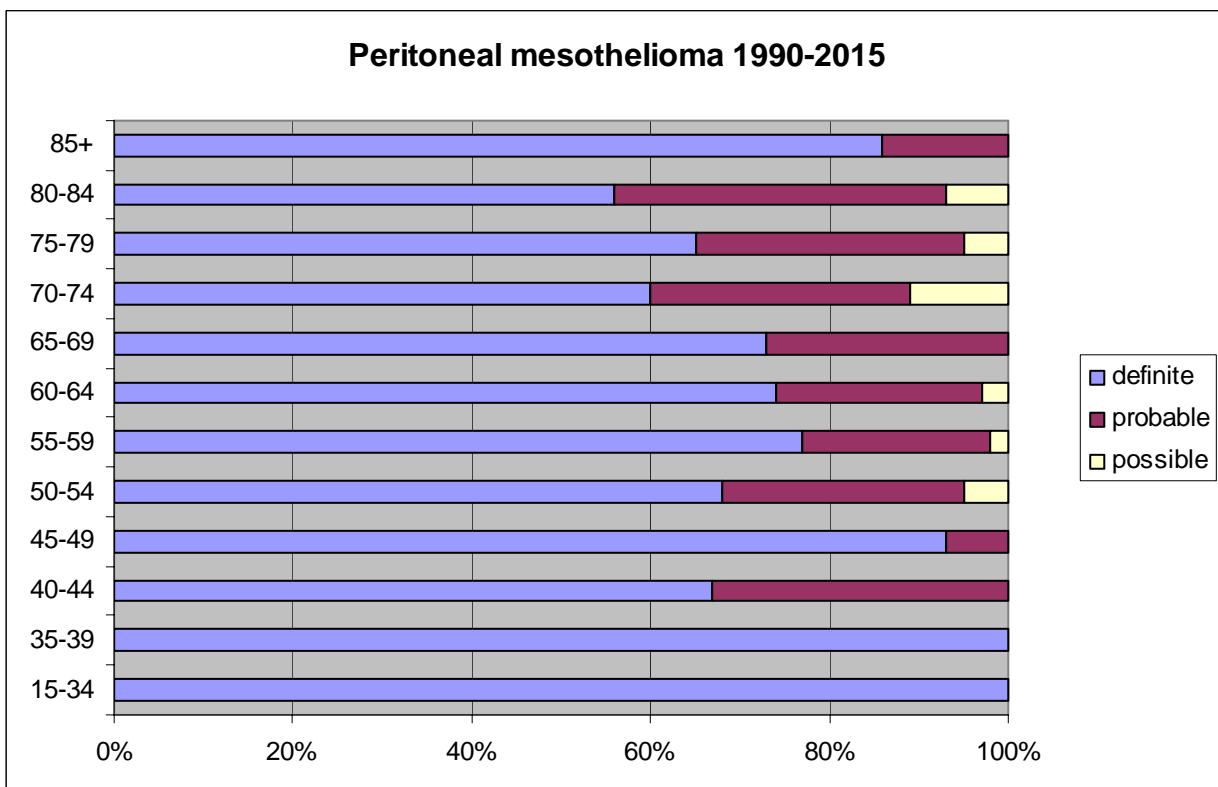
**Peritoneal malignant mesothelioma. Standardized incidence rates ( per 100,000 per year; standard: European populationEU27) , 95% confidence intervals and observed cases, by area and sex. Definite diagnoses**

INCIDENCE 2011-2015 (definite diagnosis)								
LOCAL DISTRICT	MEN				WOMEN			
	rates	95% CI	observed	rates	95% CI	observed	rates	observed
Regione Piemonte	0.2	0.1	0.3	26	0.2	0.1	0.2	21
AL/1 (Acqui Terme)	0	0	0	0	0	0	0	0
AL/2 (Alessandria)	0.6	0	1.4	2	0	0	0	0
AL/3 (Casale Monferrato)	2.9	0.8	5.1	7	0	0	0	0
Comune Casale Monferrato	4.6	0.1	9.1	4	0	0	0	0
AL/4 (Novi Ligure)	0	0	0	0	0	0	0	0
AL/5 (Ovada)	0	0	0	0	0.9	0	2.6	1
AL/6 (Tortona)	0.6	0	1.7	1	0	0	0	0
AL/7 (Valenza)	0	0	0	0	0	0	0	0
AT/1 (Asti centro)	0	0	0	0	0.5	0	1.4	1
AT/2 (Asti nord)	0.6	0	1.7	1	0	0	0	0
AT/3 (Asti sud-Nizza M.to)	0.7	0	2.0	1	0	0	0	0
BI/1 (Biella)	0	0	0	0	0	0	0	0
BI/2 (Cossato)	0.6	0	1.8	1	0	0	0	0
CN1/1 (Borgo San Dalmazzo)	0	0	0	0	0	0	0	0
CN1/2 (Ceva)	0	0	0	0	0	0	0	0
CN1/3 (Cuneo)	0	0	0	0	0	0	0	0
CN1/4 (Fossano)	0	0	0	0	0	0	0	0
CN1/5 (Mondovì)	0	0	0	0	0.6	0	1.8	1
CN1/6 (Saluzzo)	0.5	0	1.4	1	0.4	0	1.3	1
CN2/1 (Alba)	0.3	0	1.0	1	0	0	0	0
CN2/2 (Bra)	0	0	0	0	0	0	0	0
NO/1 (Arona)	0	0	0	0	0.5	0	1.5	1
NO/2 (Borgomanero)	0	0	0	0	0.4	0	1.2	1
NO/3 (Galliate-Trecale)	0.7	0	2.2	1	0	0	0	0
NO/4 (Novara)	0.3	0	0.9	1	0	0	0	0
TO1-10 (Torino)	0.2	0.1	0.4	5	0.1	0	0.3	4
TO3/1 (Collegno)	1.6	0	3.3	4	1.4	0	2.8	4
TO3/2 (Giaveno)	0	0	0	0	0	0	0	0
TO3/3 (Orbassano)	0	0	0	0	0	0	0	0
TO3/4 (Pinerolo)	0	0	0	0	0	0	0	0
TO3/5 (Rivoli)	0	0	0	0	0.5	0	1.6	1
TO3/6 (Susa)	0.8	0	1.9	2	0	0	0	0
TO3/7 (Val Pellice)	0	0	0	0	0	0	0	0
TO3/8 (Val Chisone e Germanasca)	0	0	0	0	0	0	0	0
TO3/9 (Venaria)	0	0	0	0	0	0	0	0
TO4/1 (Ciriè)	0.3	0	0.9	1	0.3	0	0.9	1
TO4/2 (Chivasso)	0.5	0	1.4	1	0	0	0	0
TO4/3 (Settimo Torinese)	0	0	0	0	0	0	0	0
TO4/4 (SanMAuro Torinese)	0	0	0	0	0	0	0	0
TO4/5 (Ivrea)	0	0	0	0	0.3	0	0.8	1
TO4/6 (Cuorgnè)	0	0	0	0	0.4	0	1.3	1
TO5/1 (Carmagnola)	0	0	0	0	0	0	0	0
TO5/2 (Chieri)	0.4	0	1.0	1	0.3	0	1.0	1
TO5/3 (Moncalieri)	0	0	0	0	0	0	0	0
TO5/4 (Nichelino)	0	0	0	0	0.4	0	1.3	1
VC/1 (Vercelli-Santhià)	0	0	0	0	0	0	0	0
VC/2 (Montano-Borghosesia-Varallo)	0.4	0	1.2	1	0	0	0	0
VCO/1 (Domodossola)	0	0	0	0	0	0	0	0
VCO/2 (Omegna)	0	0	0	0	0	0	0	0
VCO/3 (Verbania)	0.6	0	1.6	1	0.6	0	1.7	1

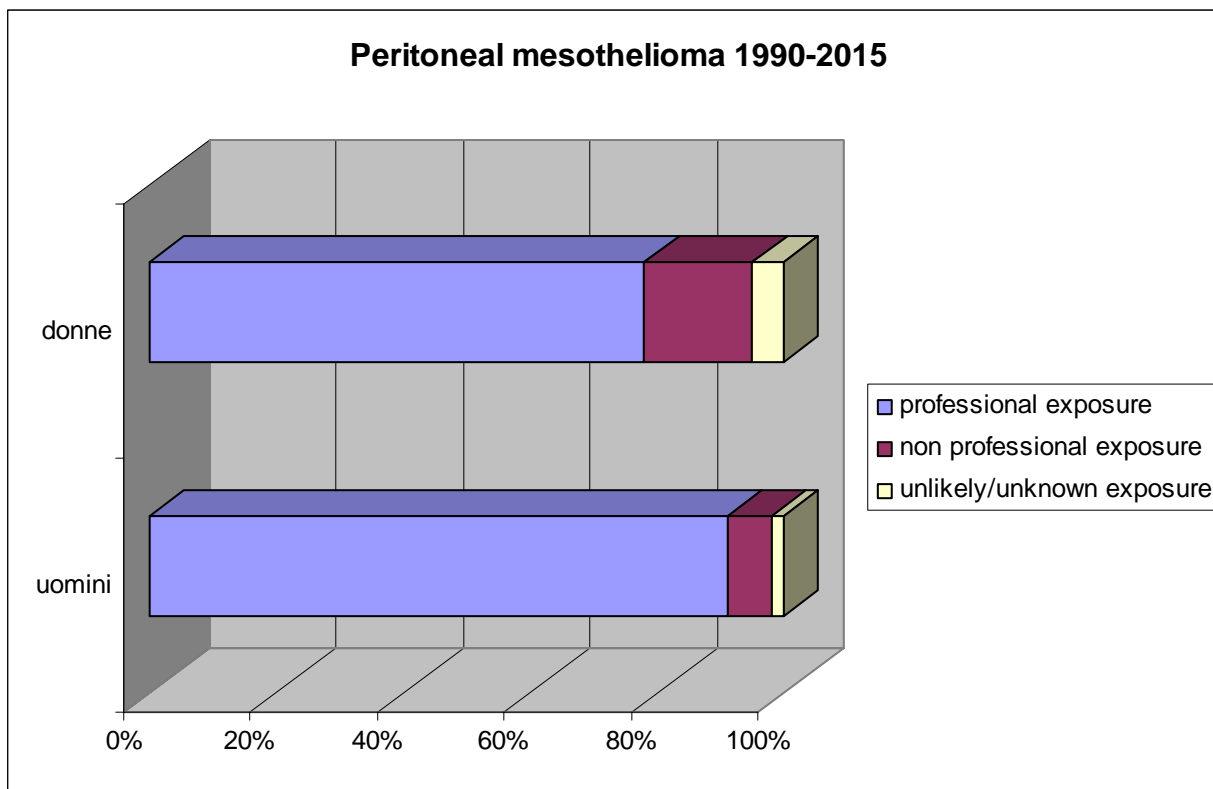
**Peritoneal malignant mesothelioma. Incidence by sex and local health authority (all diagnoses) : Standardized rates (per 100,000 per year; standard: European population EU27)**



**Peritoneal malignant mesothelioma. Proportion by age class and diagnosis level (Piemonte, 1990-2015)**



**Peritoneal malignant mesothelioma. All diagnoses. Proportion by sex and exposure.  
(Piemonte, 1990-2015)**



**Peritoneal malignant mesothelioma (observed cases with defined exposure) by exposure type and gender (Piemonte, 1990-2015)**

	<b>Men</b>	<b>Women</b>	<b>Total</b>
<b>Definite occupational exposure</b>	<b>135</b>	<b>89</b>	<b>224</b>
	77.6%	65.4%	72.1%
<b>Probable occupational exposure</b>	<b>3</b>	<b>1</b>	<b>4</b>
	1.7%	0.7%	1.3%
<b>Possible occupational exposure</b>	<b>21</b>	<b>16</b>	<b>37</b>
	12.0%	11.8%	11.9%
<b>Familial exposure</b>	<b>4</b>	<b>10</b>	<b>14</b>
	2.3%	7.4%	4.5%
<b>Environmental exposure</b>	<b>6</b>	<b>10</b>	<b>16</b>
	3.5%	7.4%	5.2%
<b>Other non-occupational exposures</b>	<b>2</b>	<b>3</b>	<b>5</b>
	1.2%	2.2%	1.6%
<b>Unlikely exposure</b>	<b>0</b>	<b>3</b>	<b>3</b>
	0	2.2%	1.0%
<b>Unknown exposure</b>	<b>3</b>	<b>4</b>	<b>7</b>
	1.7%	2.9%	2.3%
<b>Total</b>	<b>174</b>	<b>136</b>	<b>310</b>

### Median survival time and survival probability by calendar period

SURVIVAL 1990-2015							
period	median	Survival probability at :					
	(months)	6 months	1 yr	2 yrs	3 yrs	5 yrs	
1990-1994	4.4	45%	21%	11%	9%	9%	
1995-1999	4.6	37%	21%	15%	12%	5%	
2000-2004	4.8	42%	23%	14%	7%	4%	
2005-2009	6.0	50%	29%	18%	11%	9%	
2010-2014	5.0	47%	32%	17%	15%	9%	
2015	3.4	36%	27%	18%	-	-	

### Median survival time and survival probability by age class

SURVIVAL 1990-2015							
age class	median	Survival probability at :					
	(months)	6 months	1 yr	2 yrs	3 yrs	5 yrs	
00-54	5.3	49%	35%	24%	20%	14%	
55-64	7.0	52%	32%	21%	15%	10%	
65-74	5.3	46%	28%	15%	11%	6%	
75+	2.1	26%	7%	1%	-	-	

### Median survival time and survival probability by histotype

SURVIVAL 1990-2015							
histotype	median	Survival probability at :					
	(months)	6 months	1 yr	2 yrs	3 yrs	5 yrs	
epithelioid	5.6	47%	27%	16%	12%	7%	
biphasic	3.0	32%	16%	8%	-	-	
sarcomatoid	1.9	10%	-	-	-	-	
not specified	5.2	47%	30%	20%	16%	10%	
unknown	1.7	13%	-	-	-	-	