

13-15 Aprile 2016

Reggio Children c/o Centro Internazionale Loris Malaguzzi – REGGIO EMILIA



La sopravvivenza dei tumori in Italia



Enzo Coviello

U.O. Epidemiologia - Registro Tumori ASL BT

Carlotta Buzzoni, Mario Fusco, Ivan Rashid, Francesco Cuccaro e AIRTUM Working Group

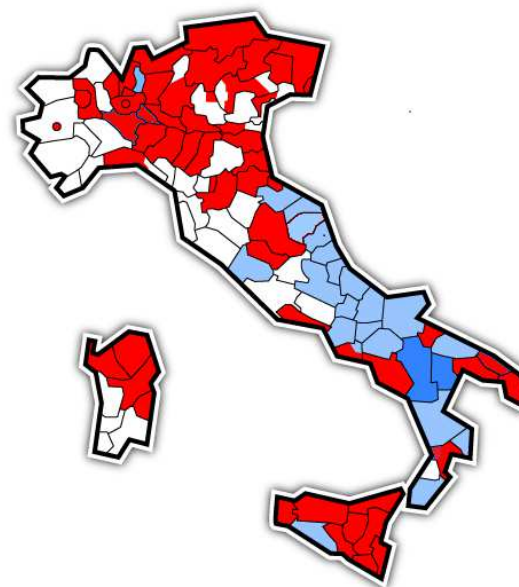
COPERTURA

Monografia 2011



ITALIA	29	30.0%
NORD-OVEST	8	37.9
NORD-EST	9	68.3
CENTRO	4	25.5
SUD E ISOLE	8	17.9

Monografia 2016



ITALIA	>42	>51%
NORD-OVEST	16	70.0
NORD-EST	10	67.7
CENTRO	3	22.8
SUD E ISOLE	15	46.1

Incidenza e follow-up

Registri		Anni di Calendario													Pool											
		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Coorte	Condizionata	Trend		
Nord-Ovest	Bergamo																							X		
	Biella (Biella)																							X		X
	Biella (Vercelli)																							X		X
	Brescia																							X		
	Como																							X		
	Cremona																							X		
	Genova																							X	X	
	Lodi																							X		
	Pavia																							X		
	Mantova																							X	X	
	Milano																							X	X	
	Milano 1																							X		
	Monza e Brianza																							X		
	Piacenza																							X		
	Sondrio																							X	X	
	Torino																							X	X	X
	Varese																							X	X	X
Nord-Est	Alto Adige																						X	X		
	Ferrara																						X	X	X	
	Friuli Venezia Giulia																						X	X	X	
	Modena																						X	X	X	
	Parma																						X	X	X	
	Reggio Emilia																						X	X	X	
	Romagna																						X	X	X	
	Trento																						X	X		
Veneto																						X	X	X		
Centro	Firenze Prato																						X	X		
	Latina																						X	X	X	
	Umbria																						X	X	X	
Sud	Barletta																						X			
	Brindisi																						X			
	Cat-Mes-Enna																						X			
	Catanzaro																						X			
	Lecce																						X			
	Napoli (ex ASL4)																						X	X	X	
	Napoli (ex ASL5)																						X			
	Nuoro																						X			
	Palermo																						X			
	Ragusa (Caltanissetta)																						X			
	Ragusa (Ragusa)																						X	X	X	
	Salerno																						X	X	X	
	Sassari																						X	X	X	
	Siracusa																						X			
Taranto																						X				
Trapani																						X	X			

La Base di Dati

		Anni di Calendario													Pool										
Registri		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Coorte	Condizionata	Trend	
Nord-Ovest	Bergamo																					x			
	Biella (Biella)																						x	x	x
	Biella (Ver)																						x		
	Brescia																						x		
	Como																						x		
	Cremona																						x		
	Genova																						x	x	
	Lodi																						x		
	Pavia																						x		
	Mantova																						x	x	
	Milano																						x	x	
	Milano																						x		
	Monza																						x		
	Piacenza																						x		
Sondrio																						x	x		
Torino																						x	x	x	
Varese																						x	x	x	
Nord-Est	Alto Adige																					x	x		
	Ferrara																					x	x	x	
	Friuli Venezia Giulia																					x	x	x	
	Mantova																					x	x	x	
	Parma																					x	x	x	
	Reggio Emilia																					x	x	x	
	Romagna																					x	x	x	
	Trento																					x	x	x	
Centro	Veneto																					x	x	x	
	Firenze																					x	x		
	Latina																					x	x	x	
Sud	Umbria																					x	x	x	
	Barletta																					x			
	Brindisi																					x			
	Catania																					x			
	Catania																					x			
	Lecce																					x			
	Napoli																					x	x	x	
	Napoli																					x			
	Nuoro																					x			
	Palermo																					x			
	Ragusa (C)																					x			
	Ragusa (Ra)																					x	x	x	
Salerno																					x	x	x		
Sassari																					x	x	x		
Siracusa																					x				
Taranto																					x				
Trapani																					x	x			

Gli anni di incidenza considerati per la preparazione della monografia vanno dal 1994 al 2011:

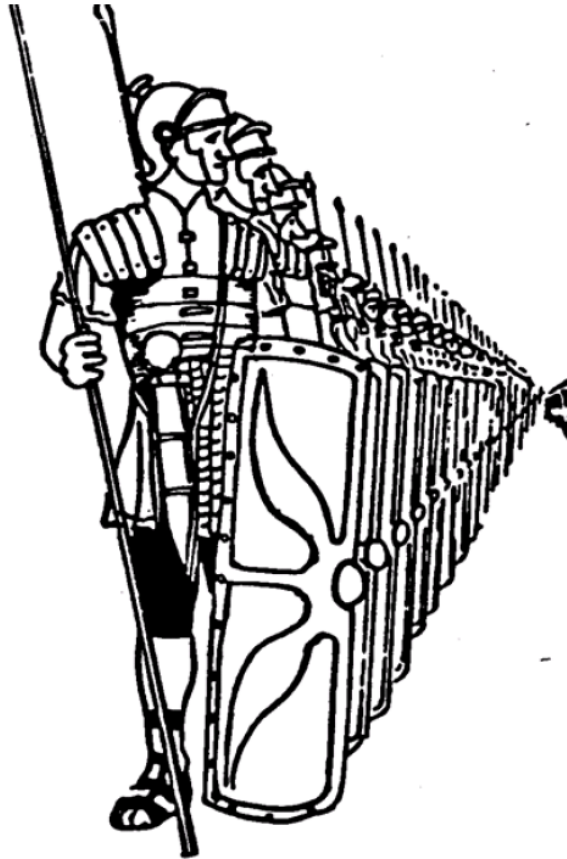
- >42 registri accreditati contribuiscono all'analisi di coorte (circa **815000 casi**)
- 24 registri all'analisi condizionata (**945000 casi**)
- 16 all'analisi del trend temporale della sopravvivenza (**985000 casi**)

Tablelle per registro

Proporzioe di deceduti sul totale dei casi diagnosticati ogni anno, per anno di incidenza e di follow-up											
Anni Incidenza		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
2006	Deceduti %	20%	15%	7%	5%	4%	3%	2%	3%	2%	1%
2007		-	19%	14%	8%	5%	4%	3%	2%	2%	1%
2008		-	-	20%	13%	8%	4%	3%	3%	3%	1%
2009		-	-	-	18%	14%	7%	5%	3%	3%	1%
2010		-	-	-	-	21%	14%	6%	4%	3%	1%
2006	Numero Deceduti	324	240	109	81	59	43	39	48	31	14
2007			315	240	129	87	69	54	35	37	23
2008				339	216	138	62	56	43	49	16
2009					327	254	120	89	53	57	23
2010						334	223	97	62	52	22
2006	Numero totale	329	241	112	84	61	46	43	659	31	14
2007			321	244	130	90	72	57	720	37	23
2008				342	218	140	66	58	804	49	16
2009					330	255	123	93	890	57	23
2010						336	229	99	885	52	22

L'analisi di coorte

Anni Incidenza 2005-2009

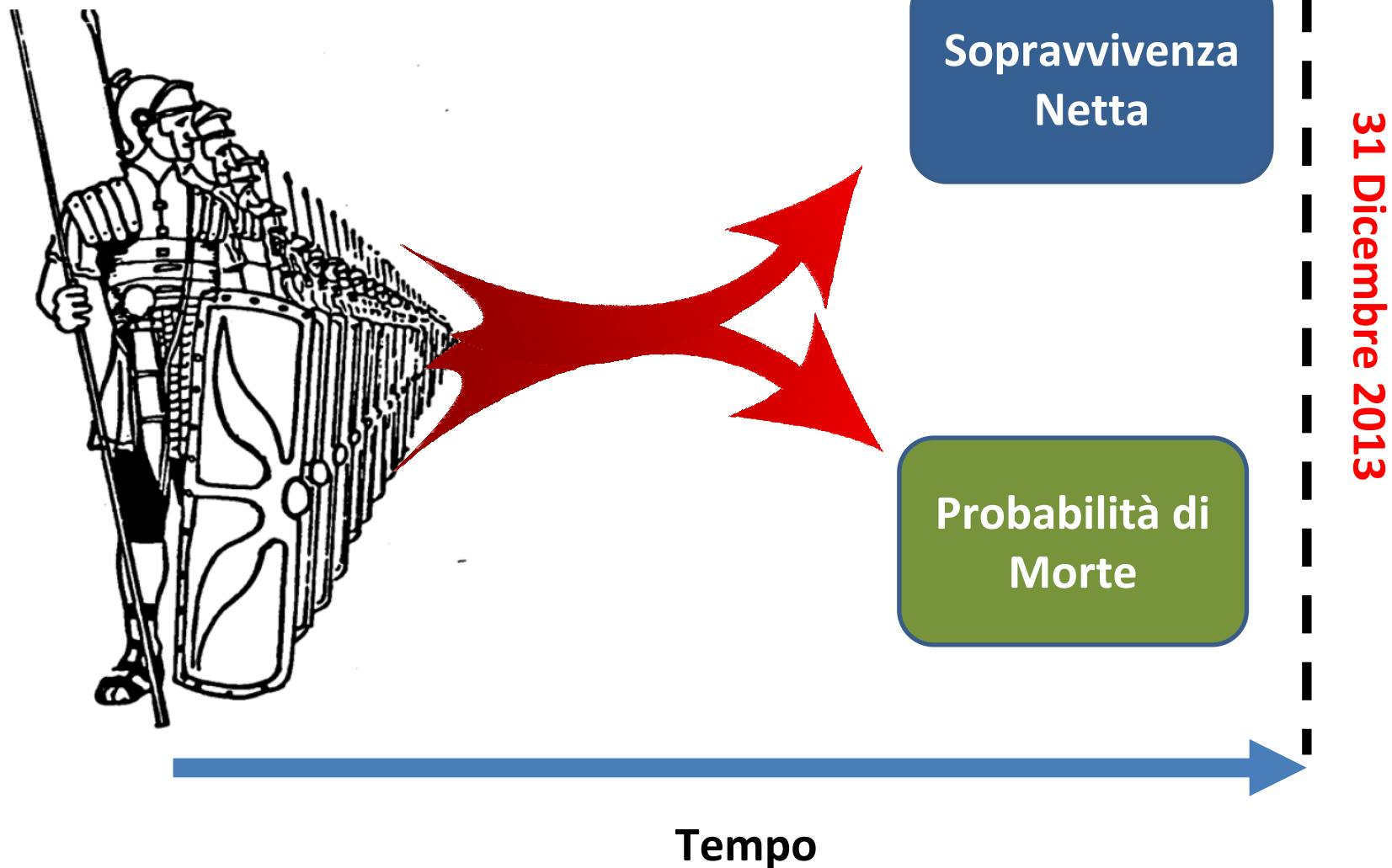


Tempo

31 Dicembre 2013

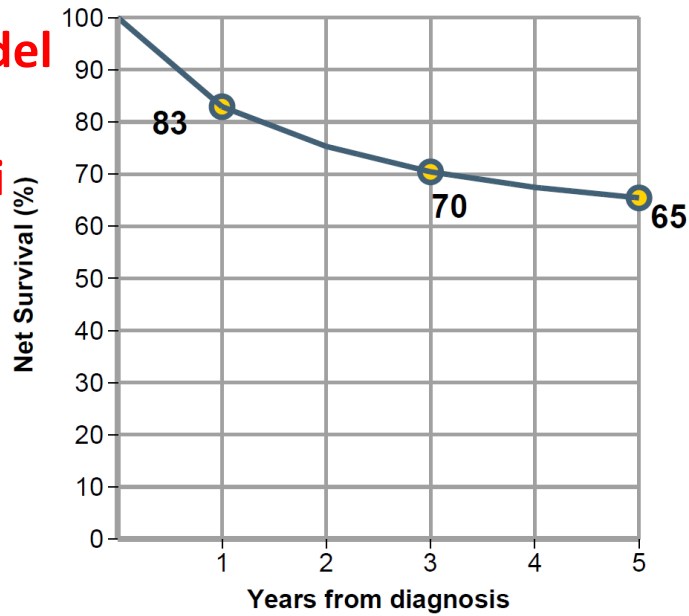
Due indicatori

Anni Incidenza 2005-2009

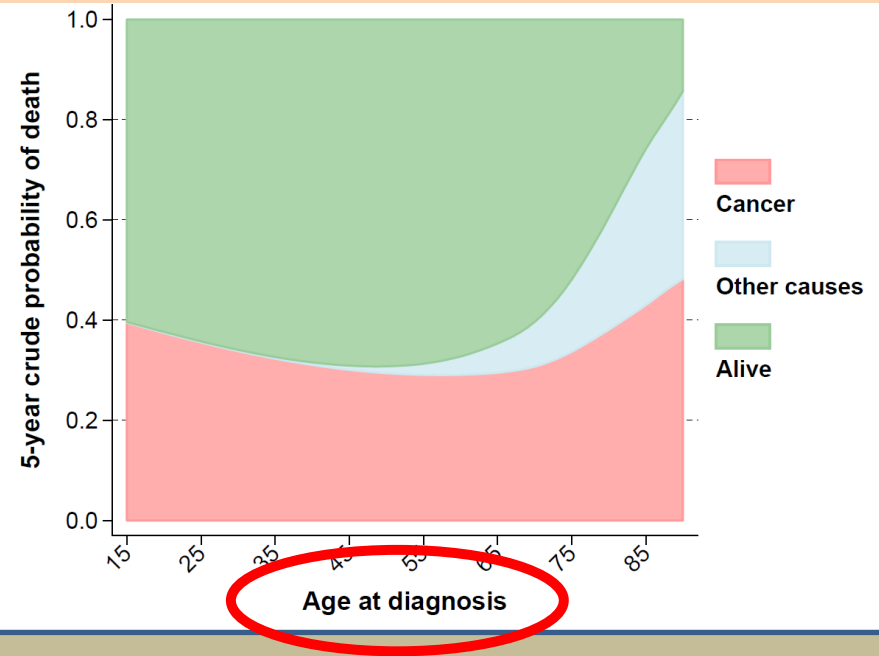


Confronti geografici e temporali

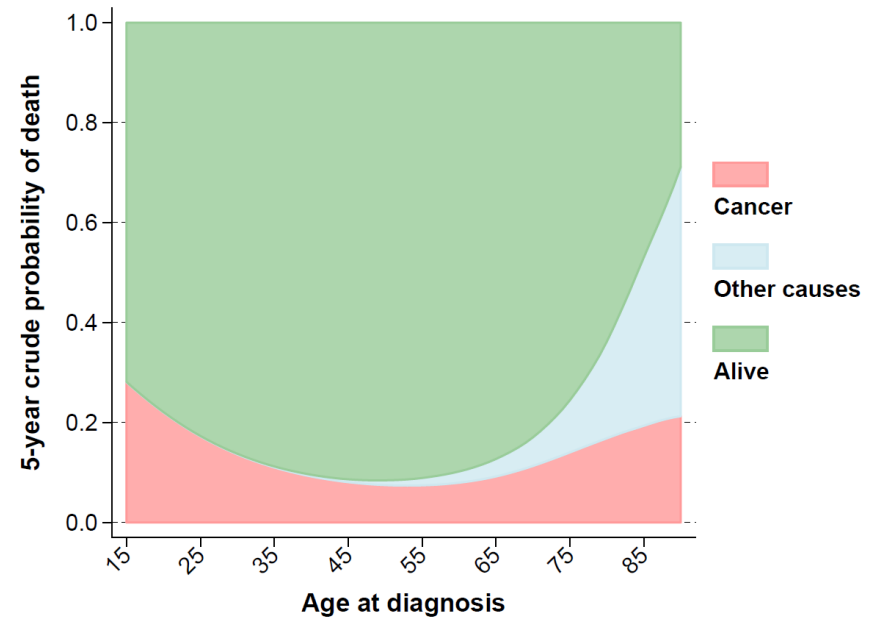
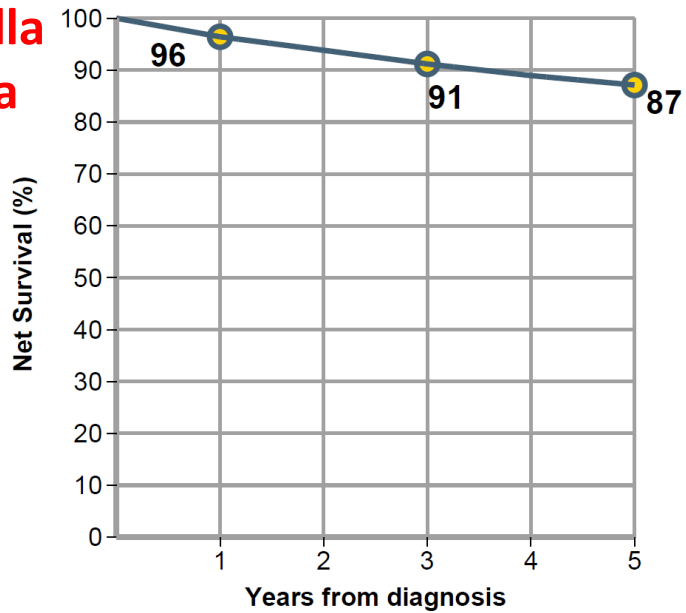
Tumore del Colon Maschi



Prognosi – Impatto

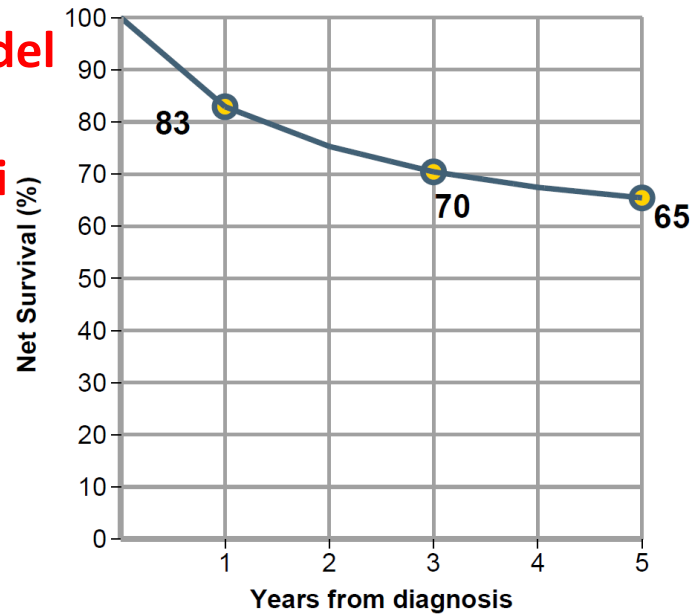


Tumore della Mammella Femmine

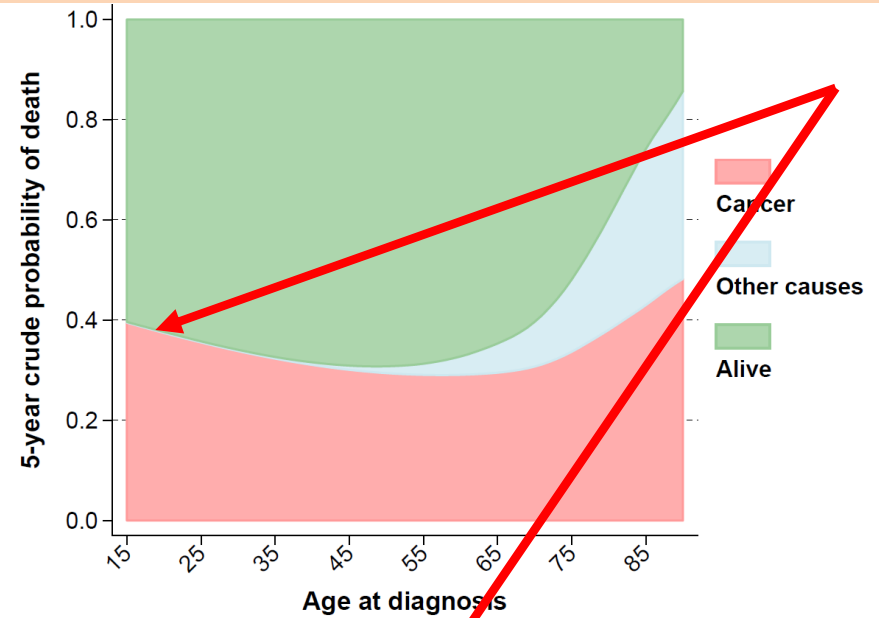


Confronti geografici e temporali

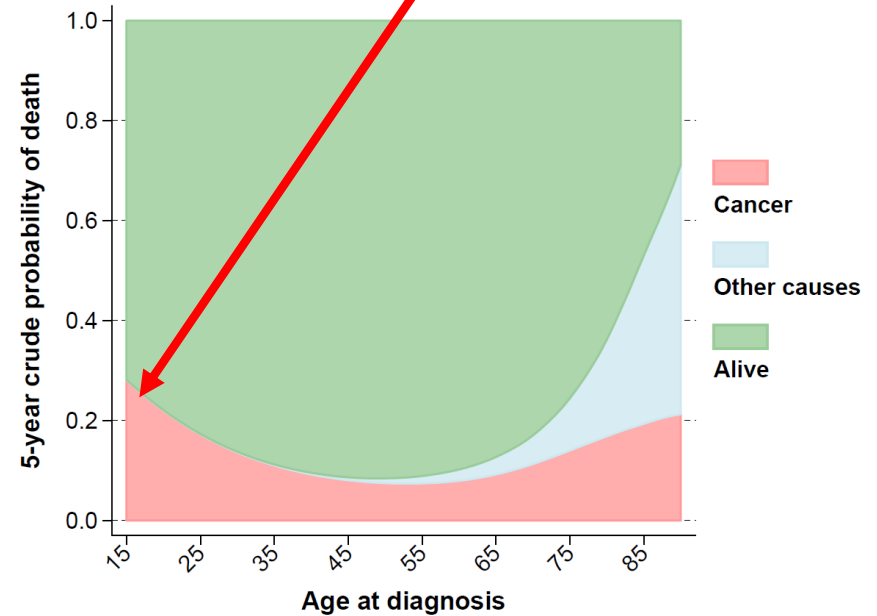
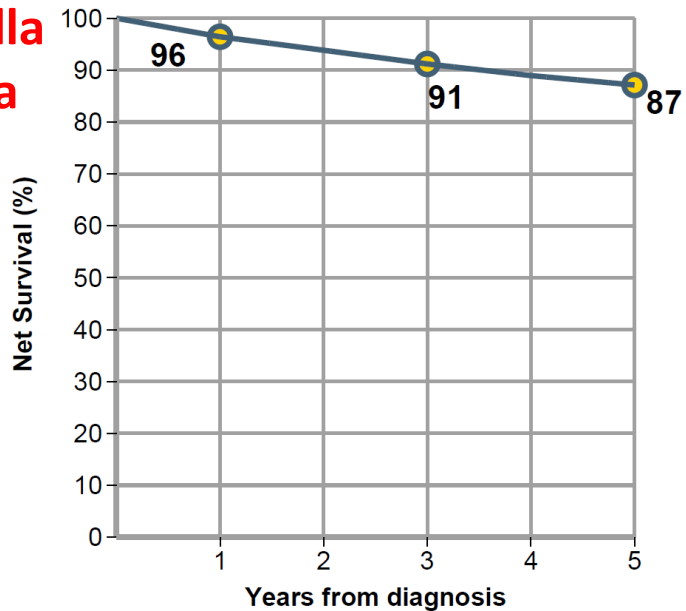
Tumore del Colon Maschi



Prognosi – Impatto

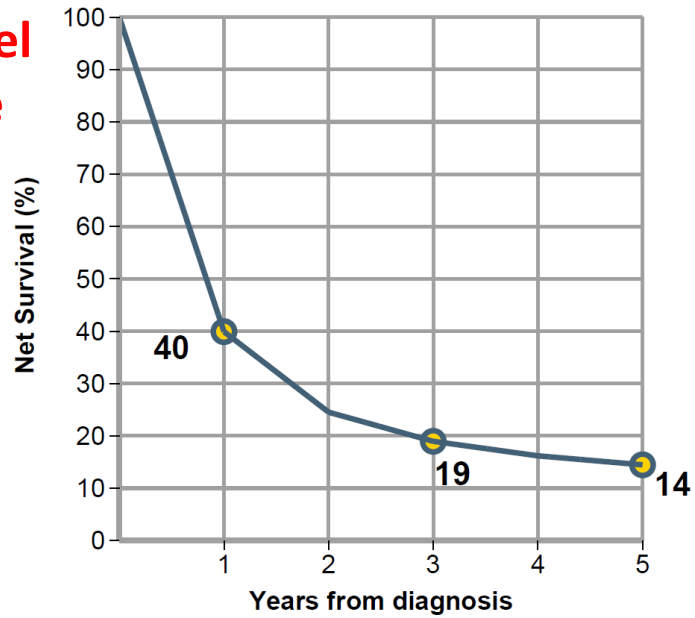


Tumore della Mammella Femmine

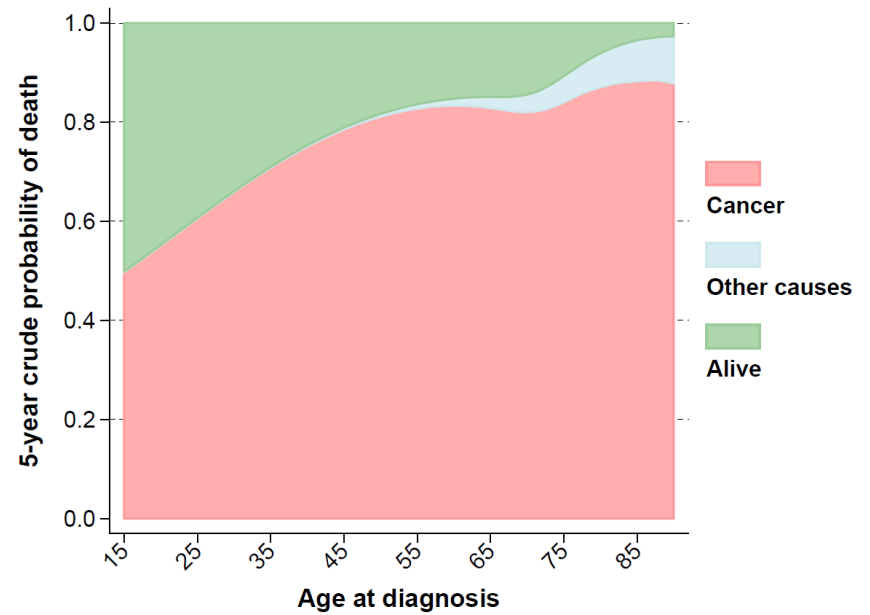


Confronti geografici e temporali

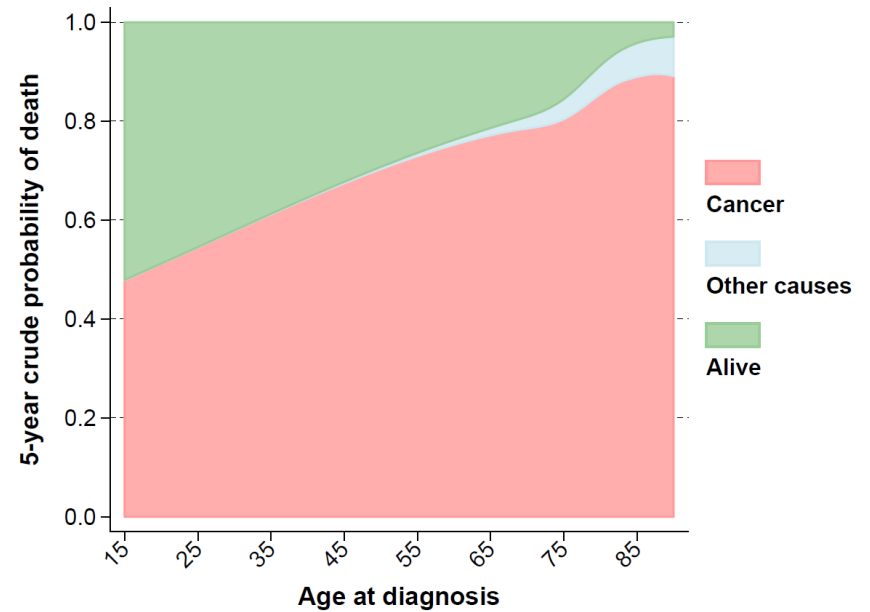
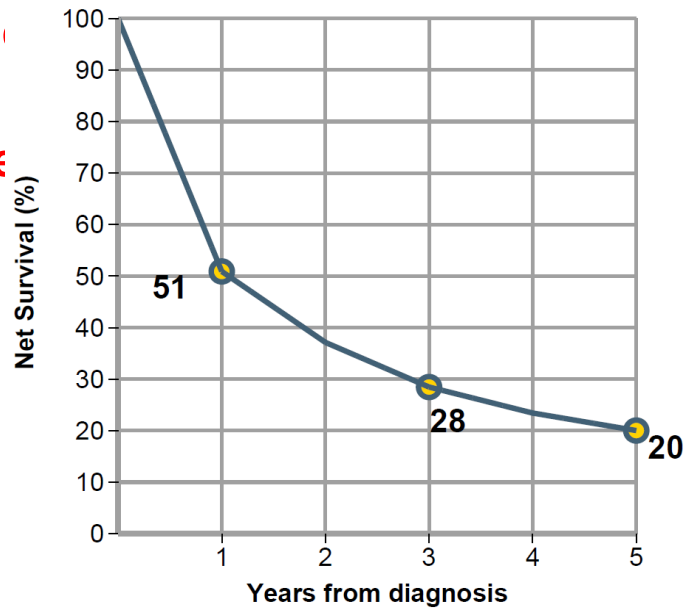
Tumore del Polmone Maschi



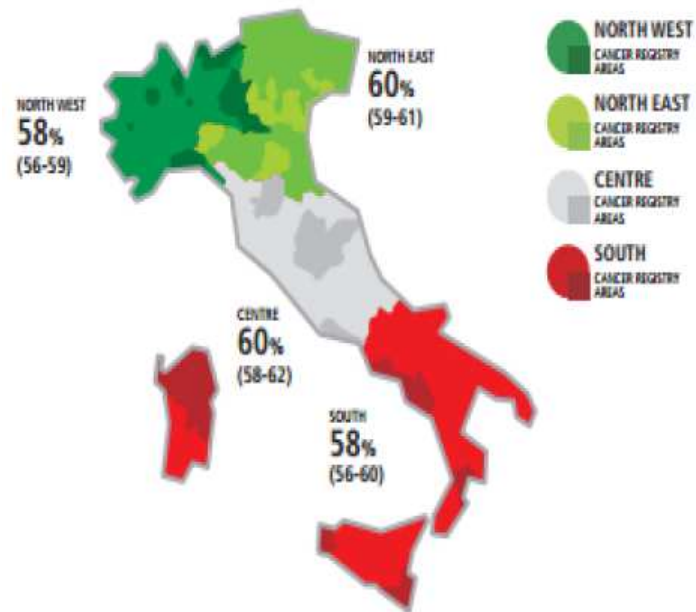
Prognosi – Impatto



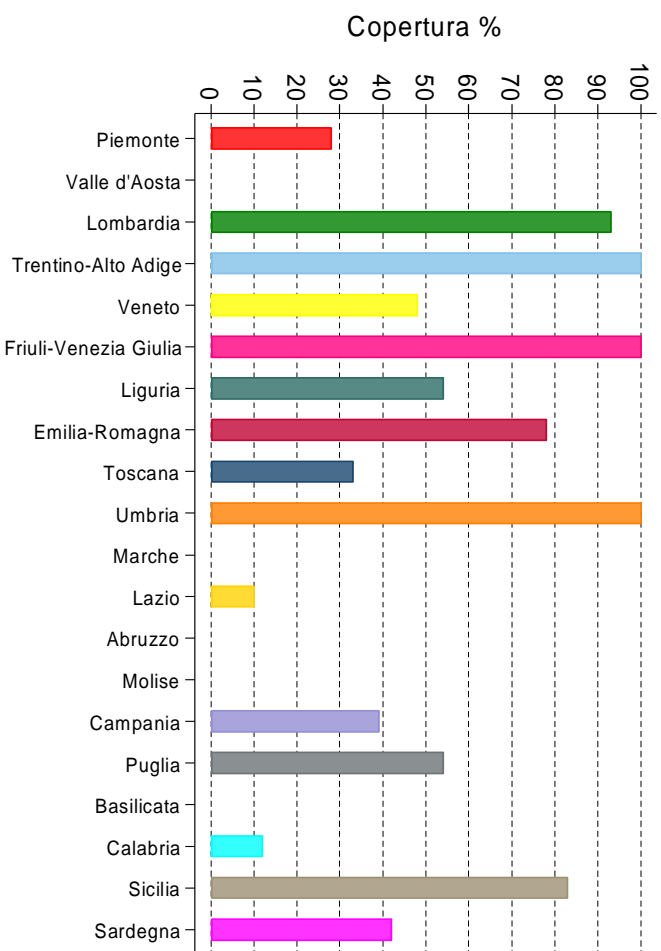
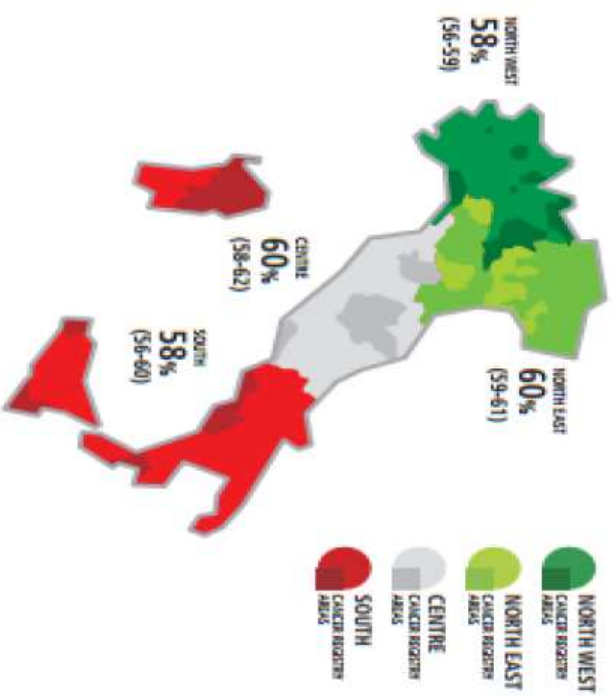
Tumore del Fegato Femmine



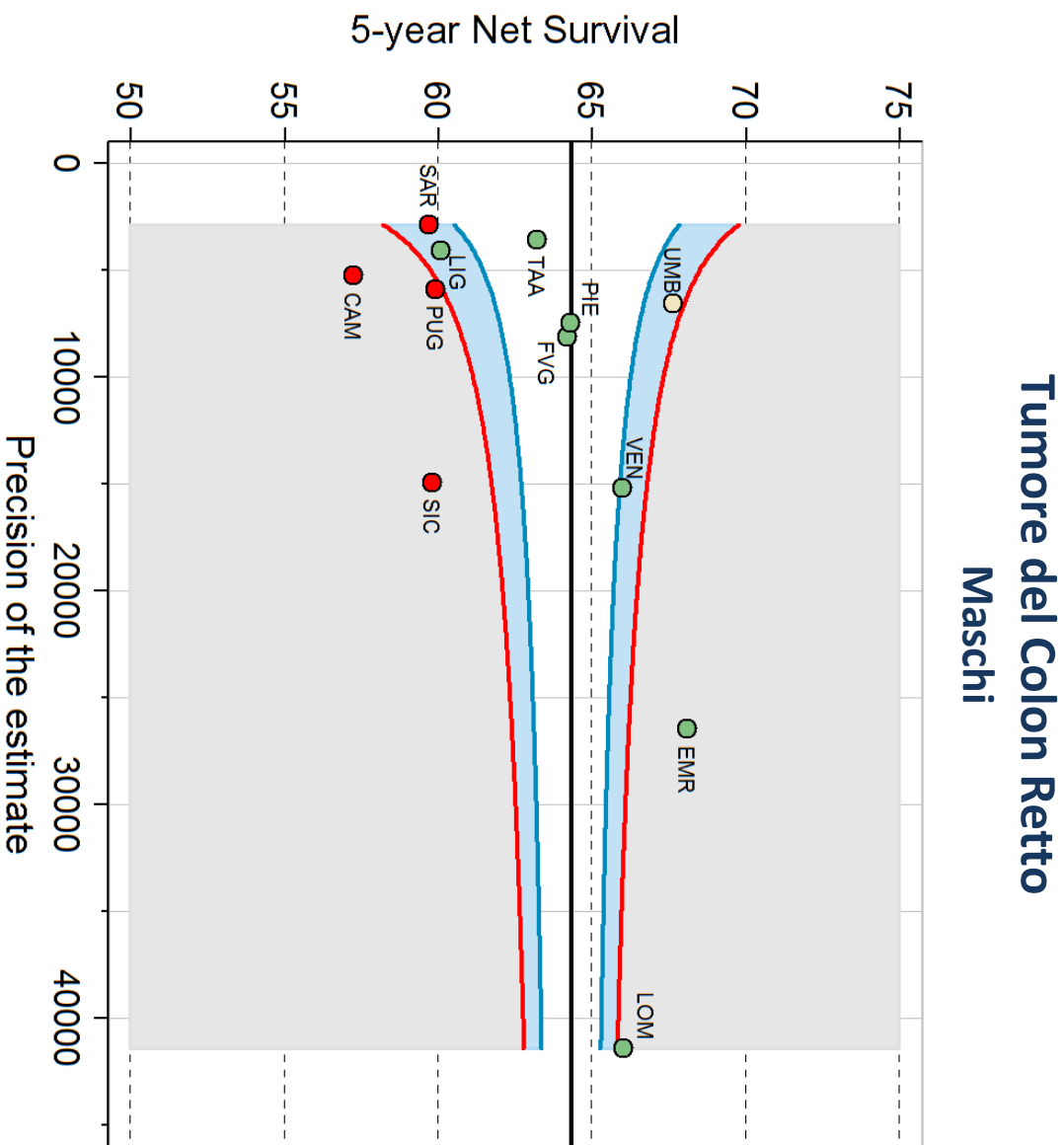
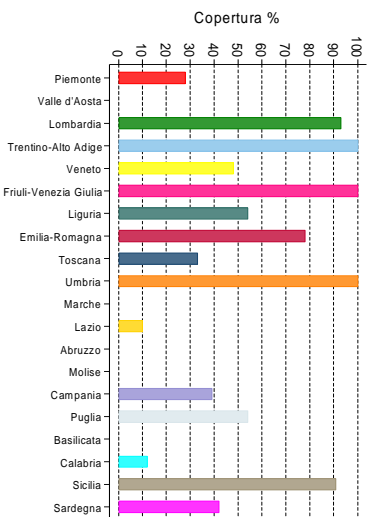
Variabilità per area geografica



Variabilità per regione

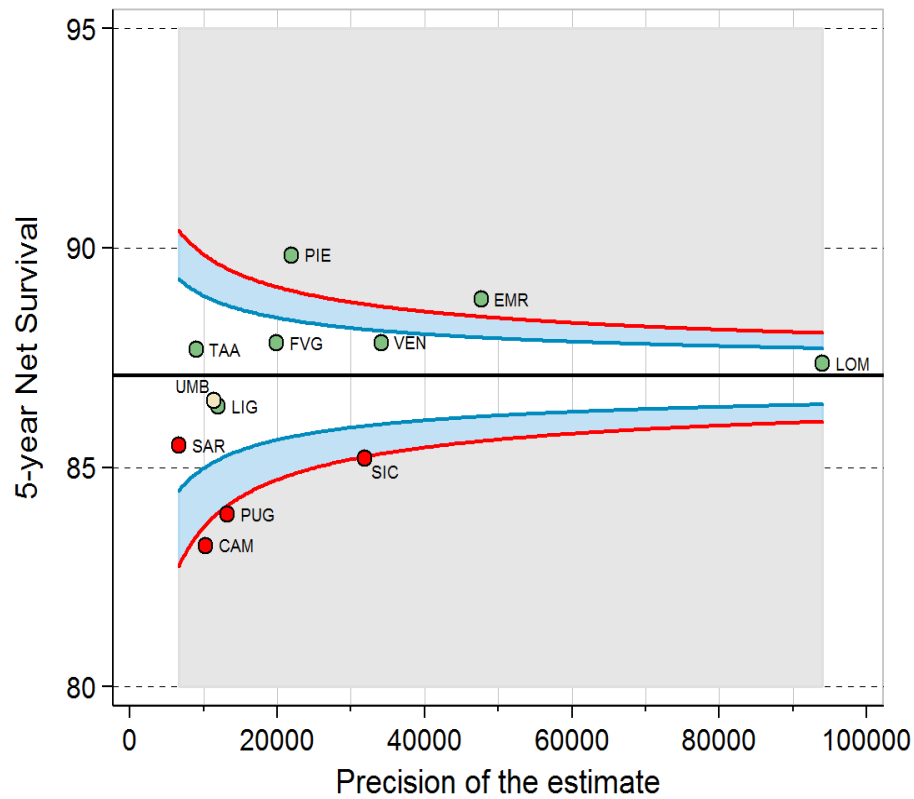


Funnel plot

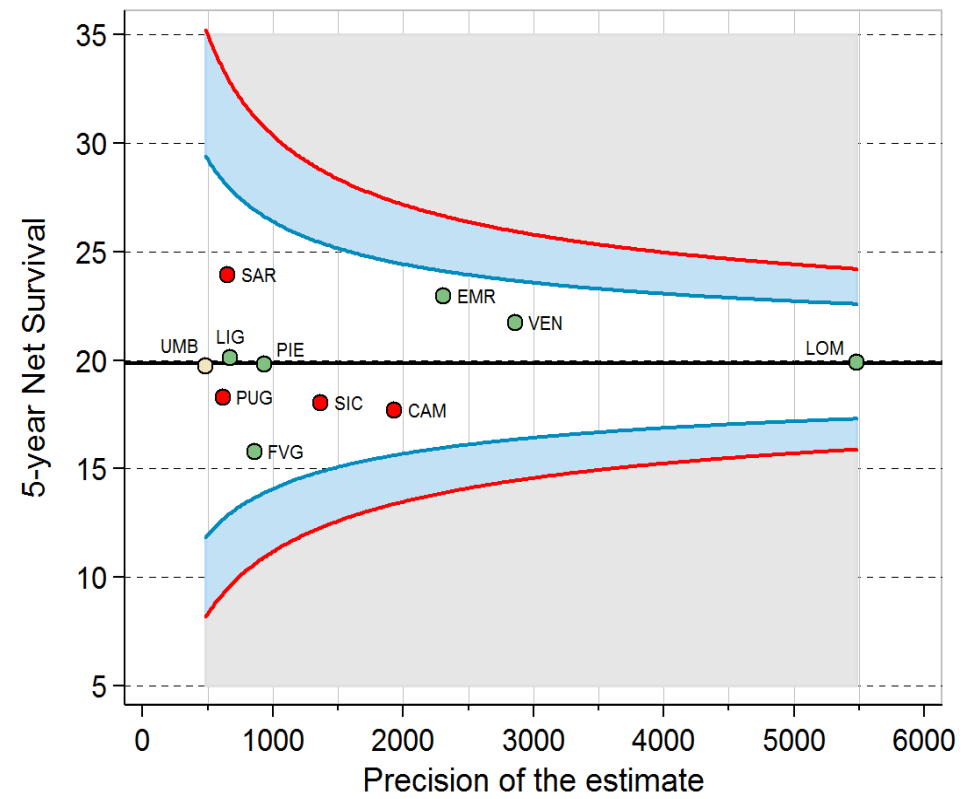


Funnel plot

Tumore della Mammella Femmine

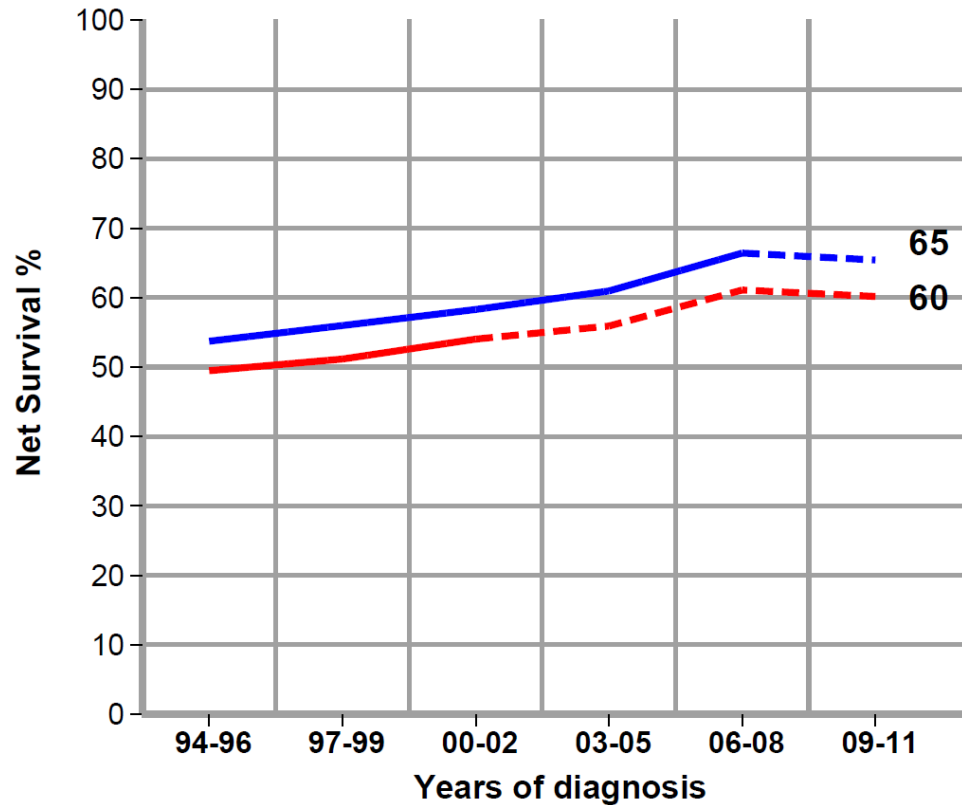


Tumore del Fegato Femmine

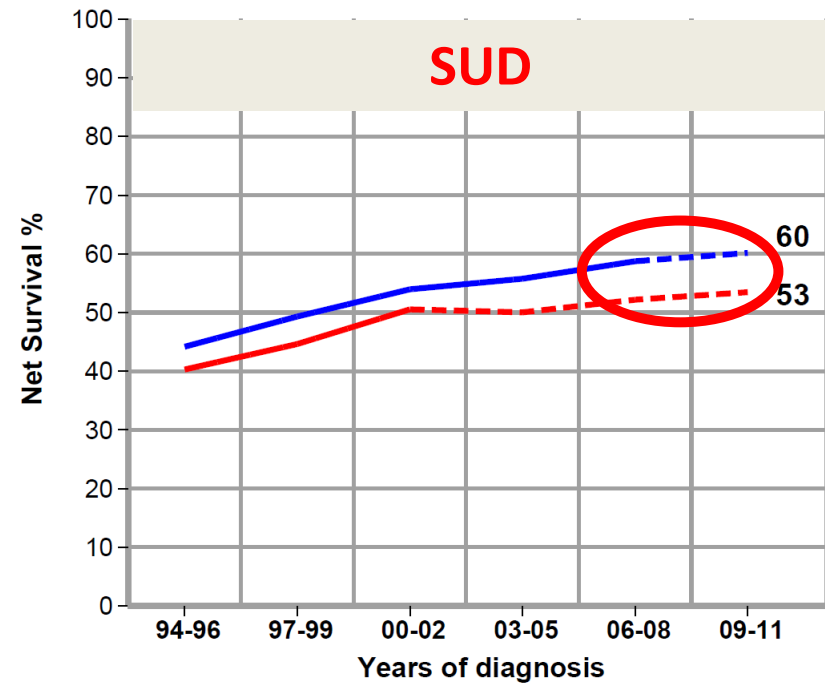
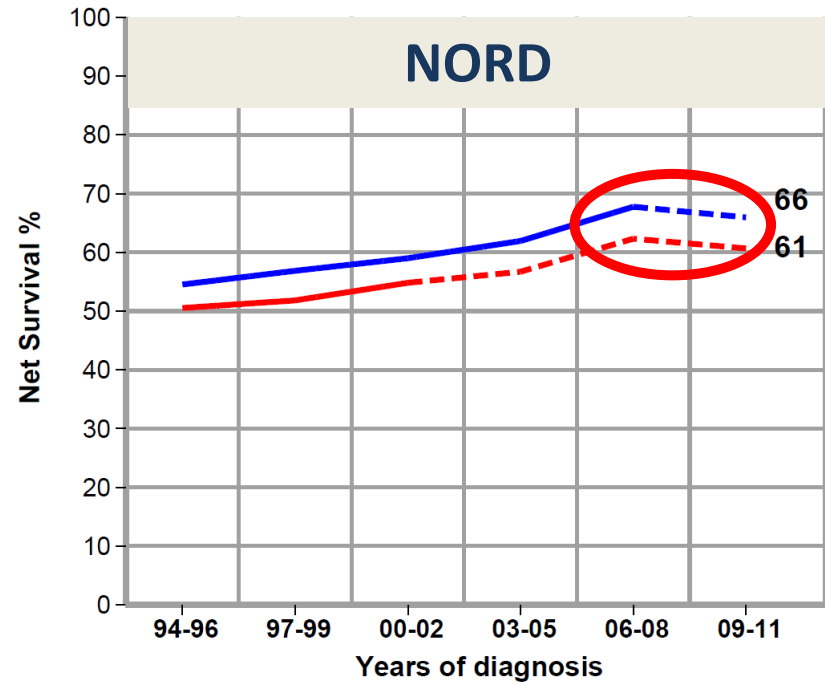


Trend temporale

Tumore del Colon Retto Maschi

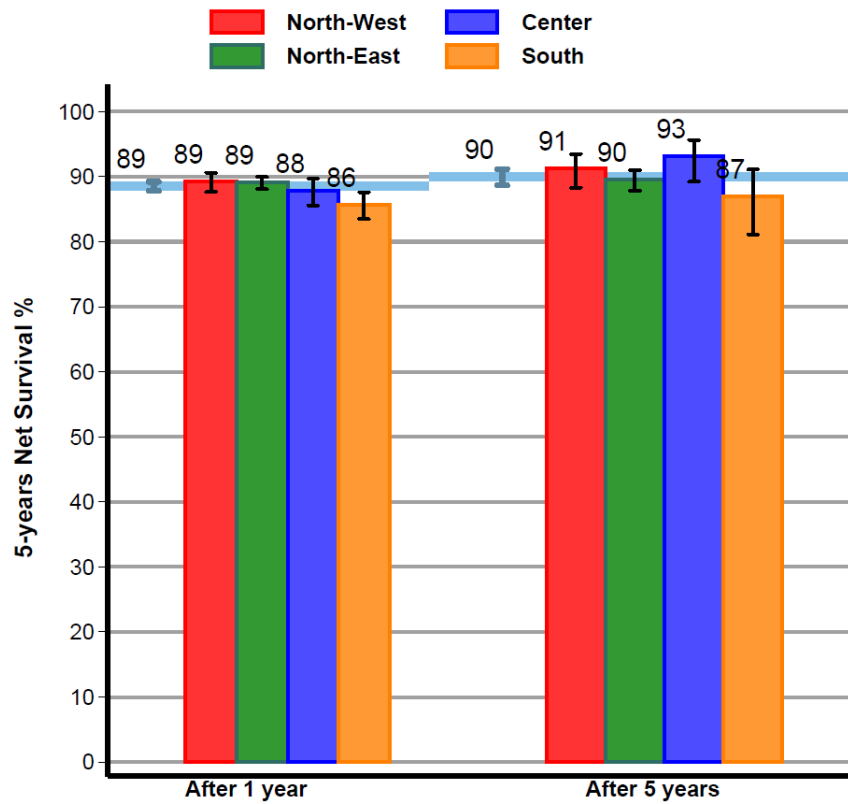


5 years
10 years

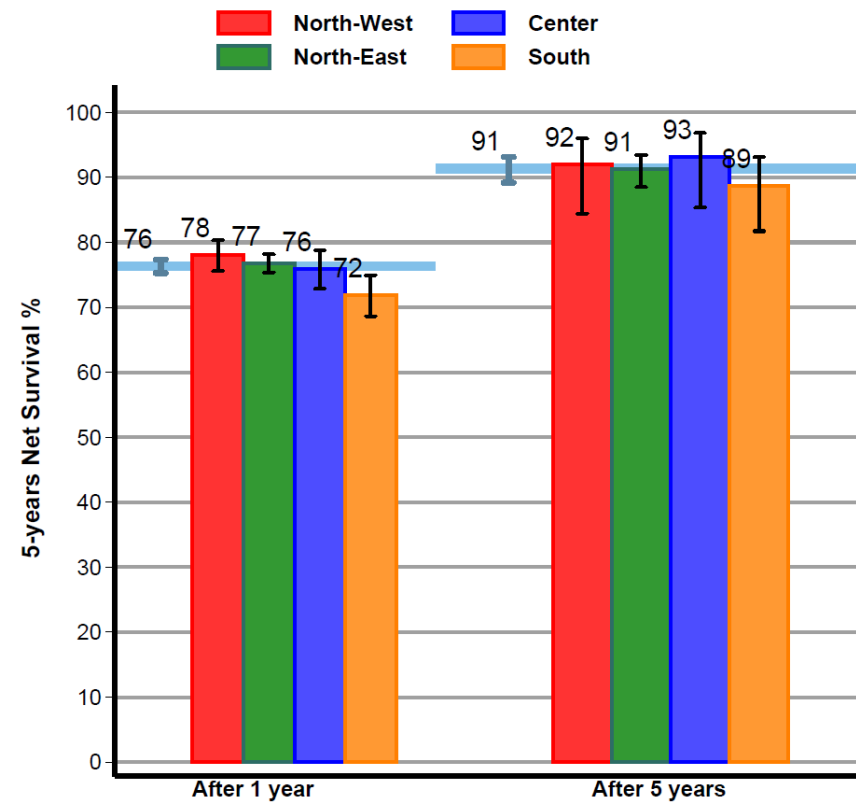


Aggiornamento della Prognosi - Cura

Tumore della Mammella Femmine



Tumore del Colon Retto Maschi



La nuova scheda

I tumori in Italia • Rapporto AIRTUM 2015 • SOPRAVVIVENZA

Schede specifiche per tumore



TUMORE DEL COLON E DEL RETTO COLORECTAL CANCER

ICD-O-3: Topography: C18-C21. Morphology: 8000-9044, 9060-9133, 9150-9581. Behaviour: 3

Punti chiave • Key facts



<p>5-year Net Survival</p> <p>58%</p> <p>La sopravvivenza netta a 5 anni dalla diagnosi è pari al 58%</p>	<p>M 58%</p> <p>F 60%</p> <p>La sopravvivenza è più elevata nel sesso femminile (60%)</p>
<p>APC: +5%</p> <p>L'andamento della sopravvivenza netta a 5 anni nel corso degli anni è in aumento (+5% annuo)</p>	<p>Cancer site ranking</p> <p>5th</p> <p>Si colloca al 5° posto tra le sedi a migliore sopravvivenza netta a 5 anni dalla diagnosi</p>
<p>L'andamento temporale della sopravvivenza netta a 5 anni è in aumento (+5% annuo)</p> <ul style="list-style-type: none"> 50% nel Nord Ovest 52% nel Nord Est 54% nel Centro 50% nel Sud 	<p>15%</p> <p>Prob. death at 80</p>

I tumori in Italia • Rapporto AIRTUM 2015 • SOPRAVVIVENZA

Schede specifiche per tumore



TUMORE DEL COLON E DEL RETTO COLORECTAL CANCER

ICD-O-3: Topography: C18-C21. Morphology: 8000-9044, 9060-9133, 9150-9581. Behaviour: 3

<p>COLON RECTUM CANCER</p> <p>RELATIVE SURVIVAL (%), 2000-2004</p> <p>POOL OF 31 CANCER REGISTRIES</p>	<p>COLON RECTUM CANCER</p> <p>TIME TREND OF 5, 10, 15-YEAR AGE-STANDARDIZED RELATIVE SURVIVAL (%)</p> <p>POOL OF 11 CANCER REGISTRIES</p>
<p>ALL SITES (EXCEPT NON-MELANOMA SKIN CANCER)</p> <p>5-YEAR AGE-STANDARDIZED RELATIVE SURVIVAL (%) (CI 95%), BY GEOGRAPHICAL AREA, 2000-2004</p> <p>POOL OF 31 CANCER REGISTRIES</p>	<p>COLON RECTUM CANCER</p> <p>5-YEAR RELATIVE SURVIVAL (%) BY AGE, 2000-2004</p> <p>POOL OF 31 CANCER REGISTRIES</p>
<p>COLON RECTUM CANCER</p> <p>CONDITIONAL 5-YEAR AGE-STANDARDIZED RELATIVE SURVIVAL AFTER SURVIVING 1, 5 YEARS</p> <p>POOL OF 21 CANCER REGISTRIES</p>	<p>ALL SITES (EXCEPT NON-MELANOMA SKIN CANCER)</p> <p>5-YEAR AGE-STANDARDIZED RELATIVE SURVIVAL (%) (CI 95%), BY GEOGRAPHICAL AREA, 2000-2004</p> <p>POOL OF 31 CANCER REGISTRIES</p>

Reportistica Emolinfopatie

Monografia 2011

Linfomi di Hodgkin

Linfomi non Hodgkin ●

Mielomi

Leucemie ●

LLC+LNH B piccoli linfociti (24%)

LNH B diffuso grandi cellule (30%)

LNH follicolare (11%)

LNH/Leucemia precursori (2%)

LNH mantellare (3%)

LNH zona marginale (10%)

LNH T basso grado (9%)

LNH T alto grado (3%)

LMA

LMC

SMD ★

MMPC ★

Analisi integrata dei trend di incidenza, mortalità e sopravvivenza

Table 1. Expected patterns in five-year survival, incidence, and mortality under various scenarios

Pattern	Time trends			Progress?	Cancer example*
	5-year survival	Incidence	Mortality		
Increase in survival, lower disease burden					
Treatment more effective	↓	↔	↓	Yes	Hodgkin lymphoma
Treatment more effective + increased early detection (screening or incidental detection) without overdiagnosis	↑	↑↓ temporary increases and returns to baseline or below baseline for a time	↓	Yes	Colorectal cancer
Little or no increase in survival, lower disease burden					
Detection and removal of cancer precursor	↔	↓ all stages	↓	Yes	Cervical cancer [†]
Decrease in true occurrence of disease by decrease in risk factors (assuming unchanged cancer aggressiveness)	↔	↓ all stages	↓	Yes	Lung cancer (men after 1990)
Increase in survival, mixed disease burden					
Treatment more effective + increased early detection (screening or incidental detection) with overdiagnosis	↑	↑ increase sustained (mostly early stage)	↓	Mixed	Breast cancer [‡] , prostate cancer
Increase in survival, higher disease burden					
Treatment NOT more effective + increased early detection (screening or incidental detection) with overdiagnosis	↑	↑ increase sustained (mostly early stage)	↔	No	Melanoma, kidney cancer, thyroid cancer
Little or no increase in survival, higher disease burden					
Increase in true occurrence of disease by increase in risk factors (assuming unchanged cancer aggressiveness)	↔	↑ all stages	↑	No	Lung cancer (women after 1980)

* Examples were selected for illustrative purpose but multiple scenarios may occur simultaneously for a given cancer.

† Decreased colorectal cancer mortality and increased survival reflects both removal of cancer precursors (polyps) and more effective treatment of all stages.

‡ The trends also reflect decrease in risk factors by early detection and removal of cancer precursor.

§ Decreased breast cancer mortality reflects both more effective treatment of all stages and any benefit from screening.

Cho H et al. 2014

Quali sedi di tumore?

Quali anni includere?

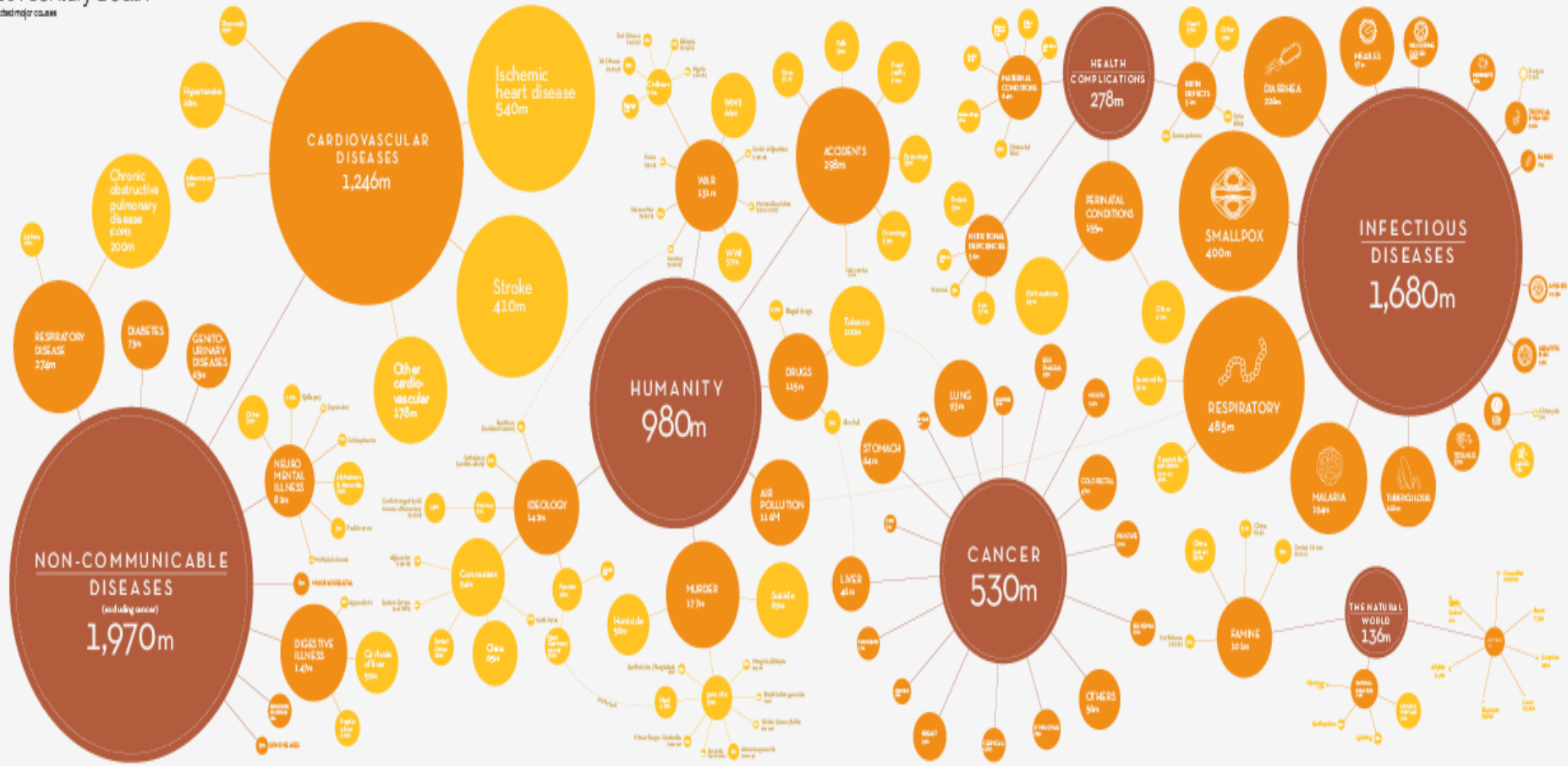
Quali registri?

What's new?

- Due indicatori per due risposte: sopravvivenza netta e probabilità crude
- Confronti geografici per regione con il metodo del funnel plot
- Una scheda con una prima pagina dedicata a una migliore comunicazione dei risultati
- Informazione dettagliata sulla sopravvivenza per LNH e Leucemie
- Analisi e interpretazione integrata dei trend di incidenza, mortalità e sopravvivenza delle principali sedi di tumore in Italia.

20th Century Death

selected major causes



This report was commissioned by the World Health Organization (WHO) as part of the 'World Health Statistics Quarterly' (WHSQ) series. The data is based on the 'World Health Statistics Quarterly' (WHSQ) series, Volume 12, Number 2, 2011. © 2011 WHO. All rights reserved.

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