



**Epidemiology of cancer, registers  
and inventory of technical plates for  
management of cancer in the Italian  
area**

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***Division of Medical Oncology***

***“S.G. Moscati” Hospital – Avellino (Italy)***



# ITALIAN INCIDENCE PREVISION

Italian Cancer Registries: **still increasing incidence**

**Aging population:**

⇒ **corrected figures by age: 15-16% increasing in 1986-97**

⇒ **absolute figures: 31.2% increasing in 1986-97**

**In 1993-97 ⇒ > 50% in 4 cancer sites:**

**MALE: lung (20.7%), colorectal (12.4%), prostate (10.8%), bladder (10.6%)**

**FEMALE: breast (27.5%), colorectal (13.8%), stomach (6.9%), lung (5.3%)**



**AROME**

Association of Radiotherapy and Oncology of the Mediterranean arCa

# 5-year Relative Survival from diagnosis in Europe and Italy, by sex and age

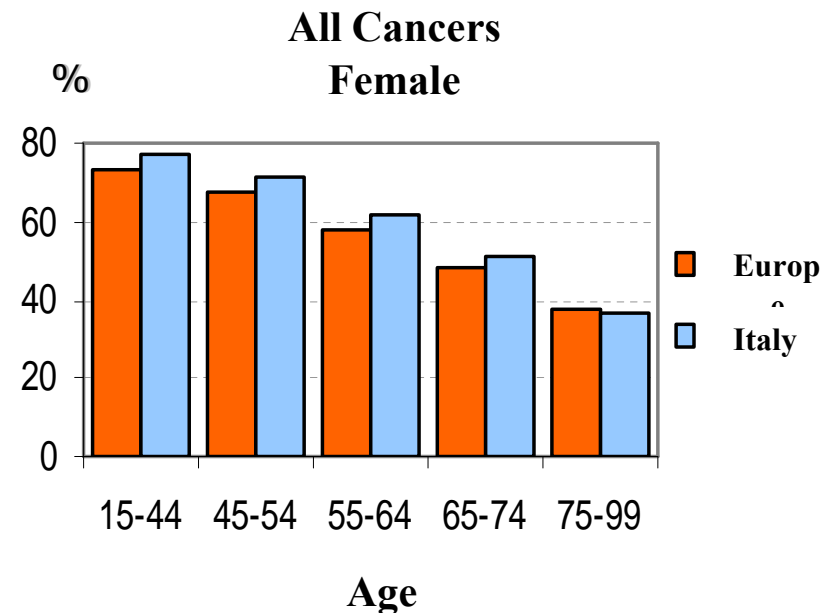
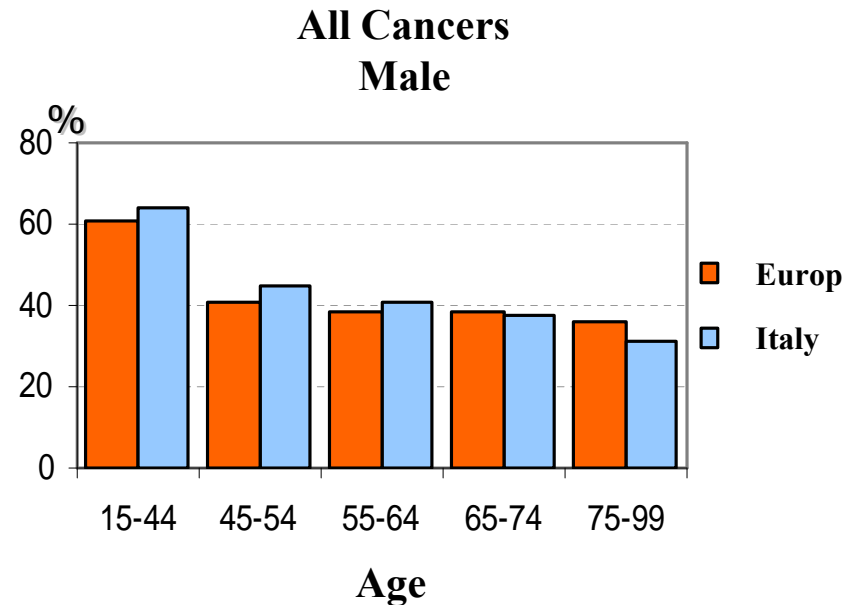
Diagnoses related to years 1990-1994 and updated up to December 31, 1999

EUROCCARE 3

The results of younger patients are better in Italy than Europe

The survival of elderly patients, particularly male aged  $\geq 75$  years, is lower

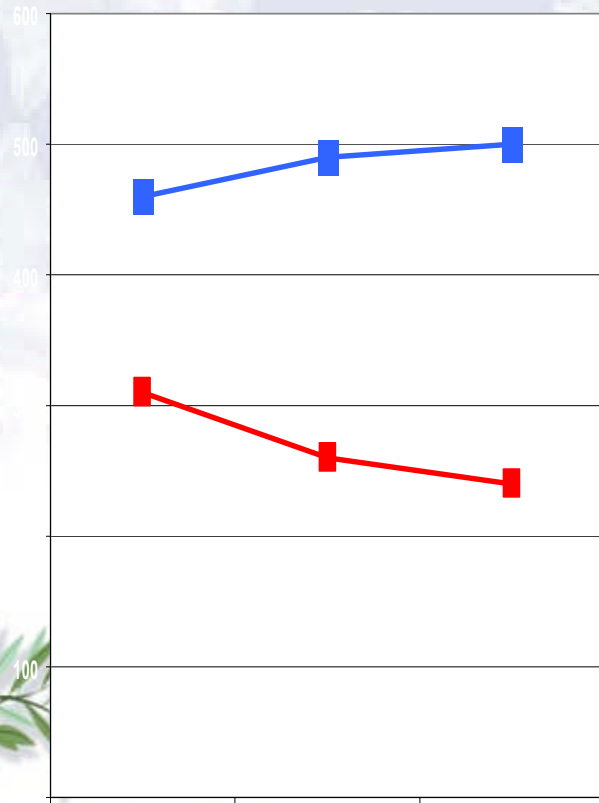
This result, in male patients, is already evident starting from 65-74 years



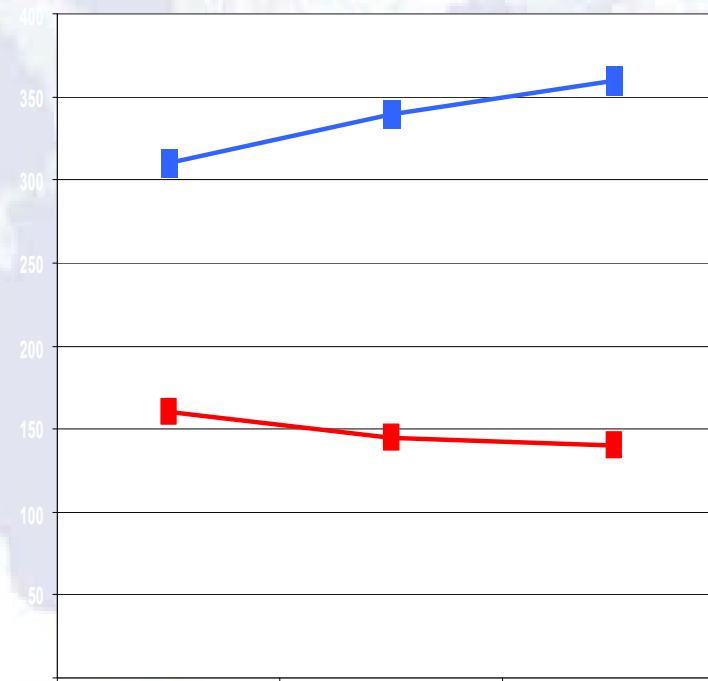
AROME

# CANCER INCIDENCE AND MORTALITY IN ITALY STANDARDIZZATES FIGURES (1988-2002) (Epidemiologia e Prevenzione, 2006)

Male



Female



■    ■



AROME

1988-1992

Association of Radiotherapy and Oncology of the Mediterranean area

# CANCER MORTALITY IN ITALY

Decreasing in both sexes (Male from 1991) like USA, Canada England and Wales

Decrease for:

- Male & Female: stomach, rectum, bladder, tyroid
- Female: breast since 1989
- Male: oral cavity, lung, larynx, prostate

Probable cause of decreasing:

- a) decreasing incidence: stomach, oral cavity, larynx, lung
- b) improved treatments: rectum, breast, cervix, leukemia
- c) increasing incidence of early diagnoses: breast, cervix, prostate



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Associazione Italiana di Oncologia medica

Updated to November 2006

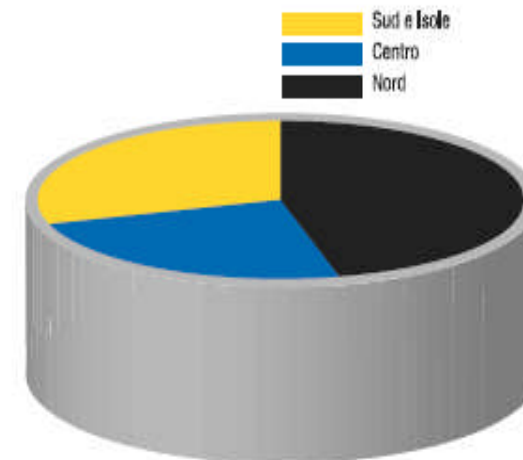
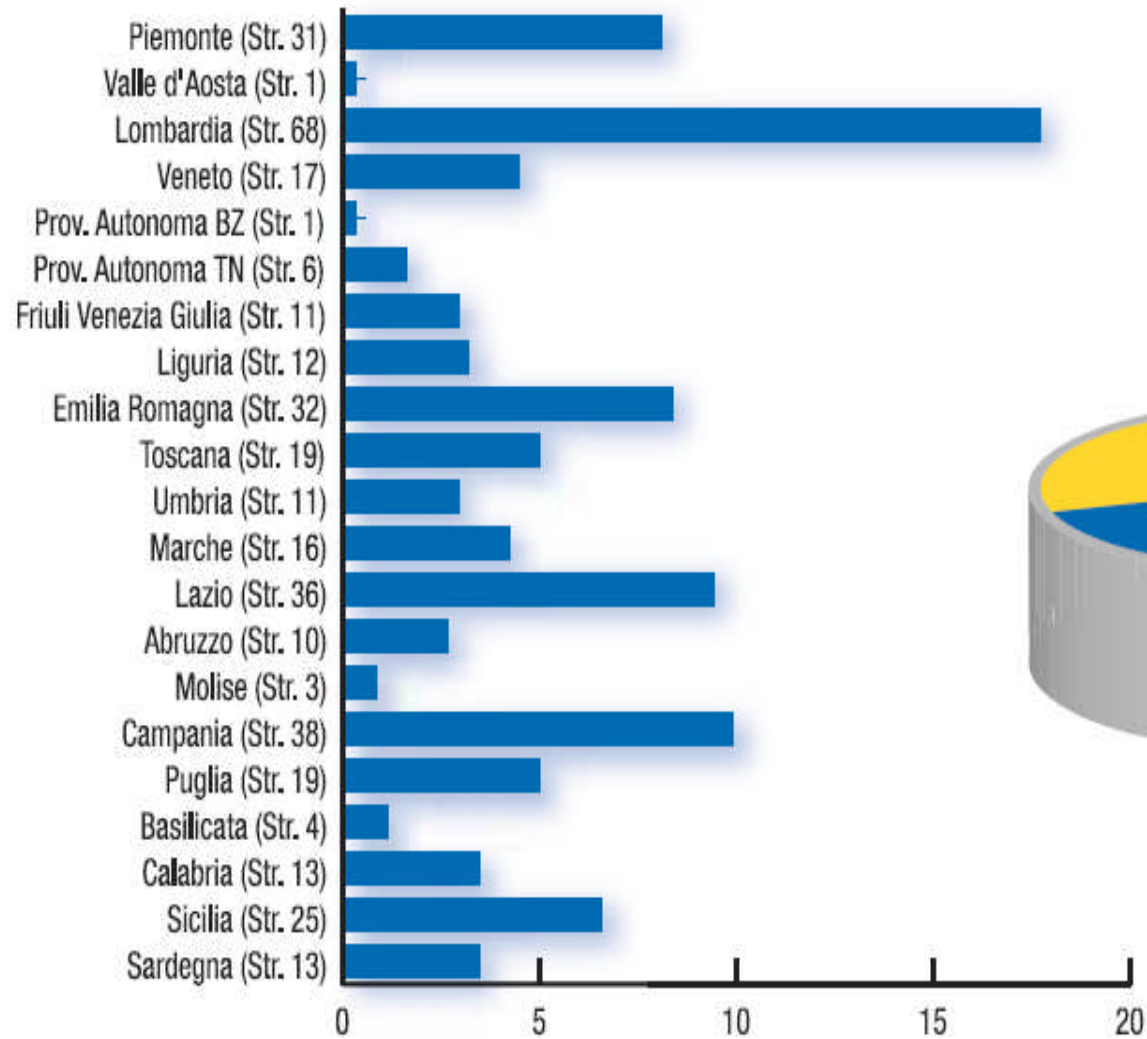
# Il Libro Bianco dell'oncologia italiana

TERZA EDIZIONE



Association of Radiotherapy and Oncology of the Mediterranean orCa

# ITALIAN ONCOLOGIC CENTRES

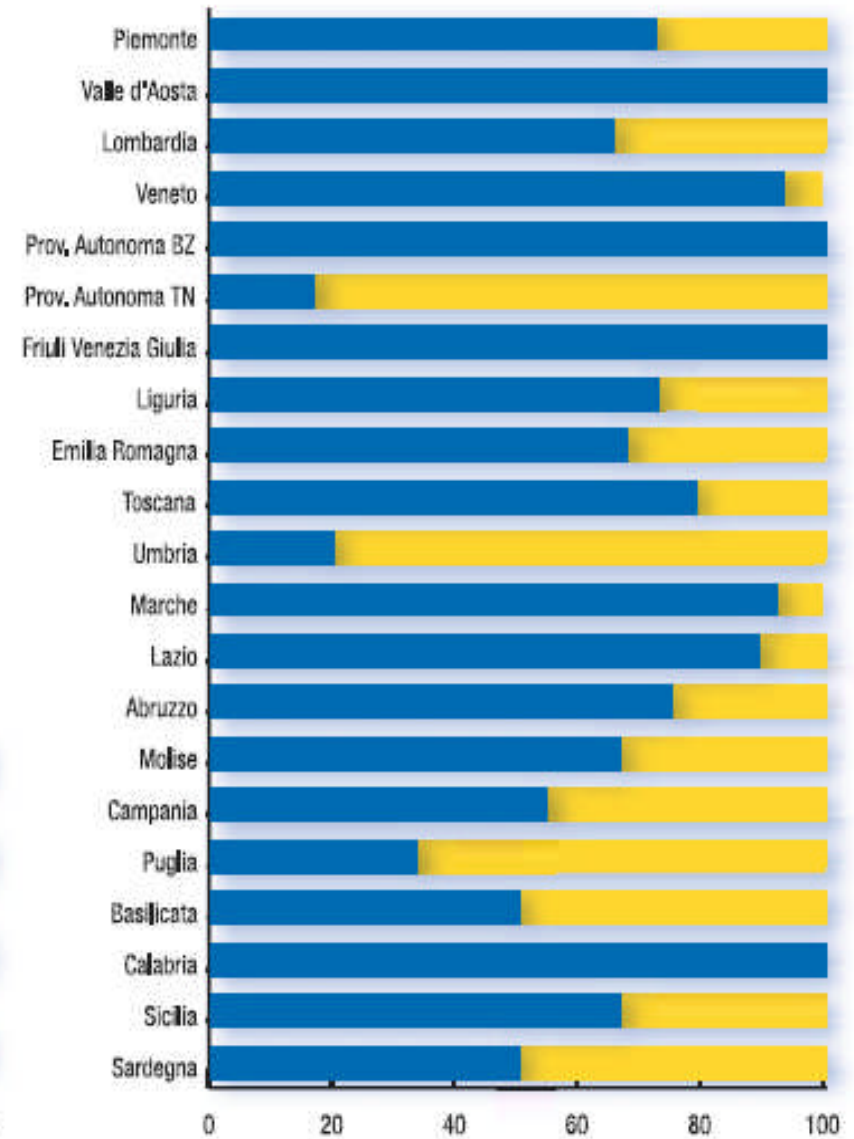
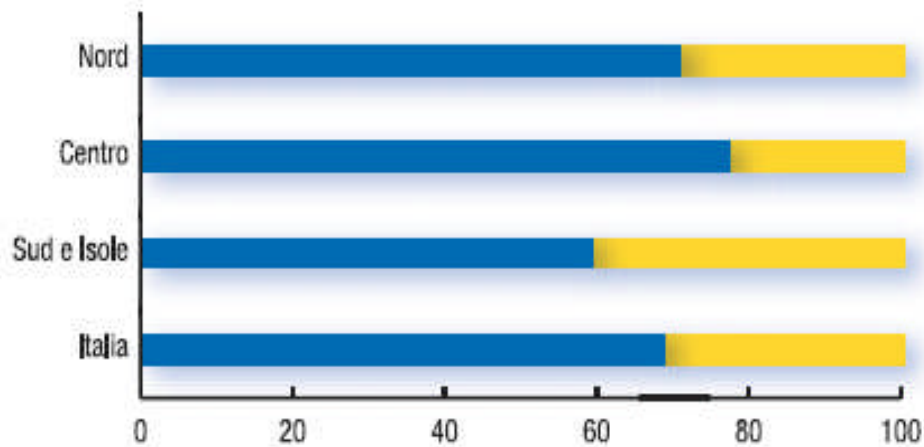
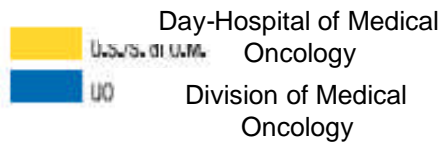




**Associazione Italiana  
di Oncologia medica**

## Tipology of Oncologic Centres

### 1.1 Tipo di struttura censita (%)





**Associazione Italiana  
di Oncologia medica**

## Tipology of Oncologic Centres

### 1.1 - Tipo struttura censita

N° strutture % sul totale % entro Reg.	Division of Medical Oncology	Day-Hospital of Medical Oncology	Totale
Nord	115	48	163
	33,05	13,79	46,84
	70,55	29,45	
Centro	60	18	78
	17,24	5,17	22,41
	76,92	23,08	
Sud e Isole	63	44	107
	18,10	12,64	30,75
	58,88	41,12	
Italia	238	110	348
	68,39	31,61	100,00



## Organization of Divisions of Medical Oncology

### 3.1 - Dotazione U.O.

N. Strutture % su Totale % entro Regione	Altro	Day Hospital	Ambulat.	D-H e Ambulat.	Tutti e tre*	Totale
Nord	2	10	4	66	92	174
	0.54	2.69	1.08	17.74	24.73	46.77
	1.15	5.75	2.30	37.93	52.87	
Centro	3	5	0	31	48	87
	0.81	1.34	0.00	8.33	12.90	23.39
	3.45	5.75	0.00	35.63	55.17	
Sud e Isole	7	4	5	35	60	111
	1.88	1.08	1.34	9.41	16.13	29.84
	6.31	3.60	4.50	31.53	54.05	
Totale	12	19	9	132	200	372
	3	5	2	35	54	100

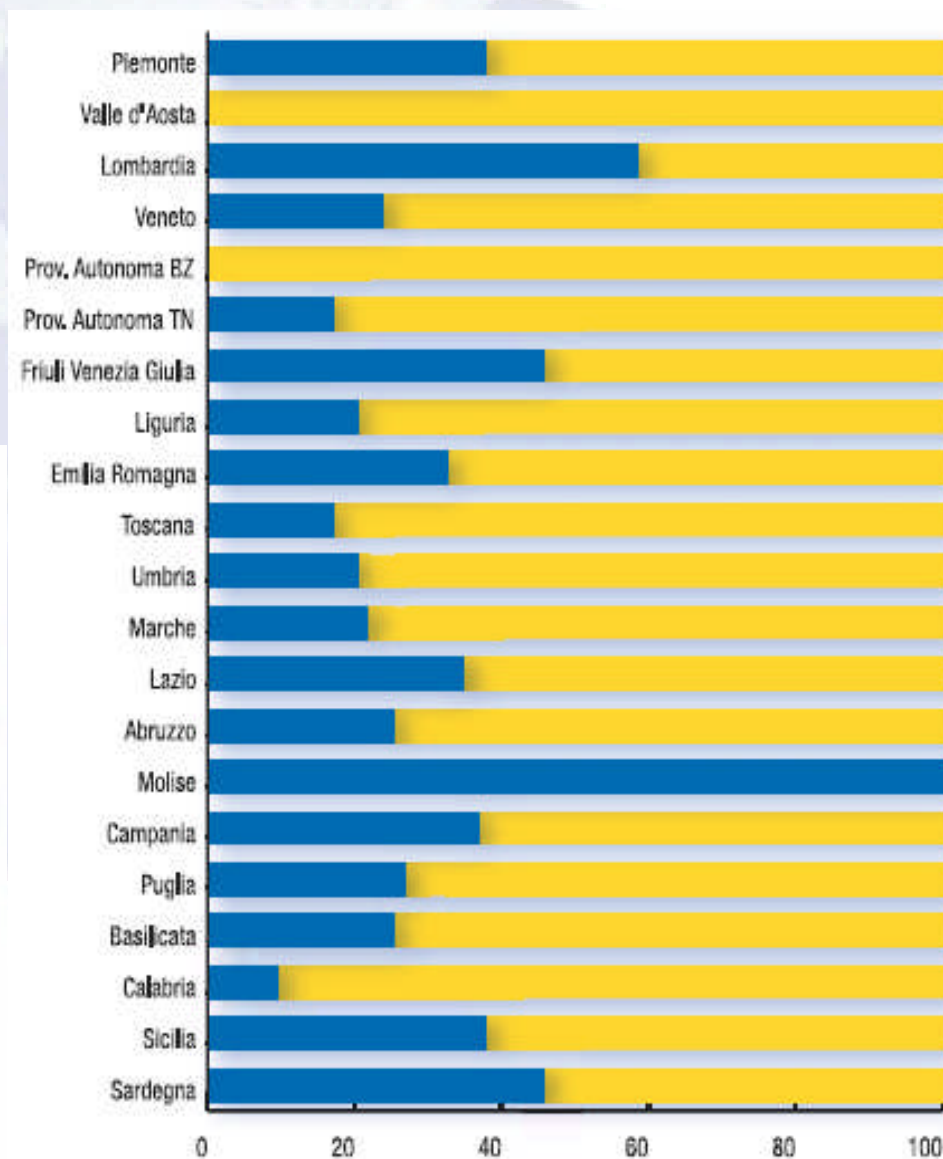
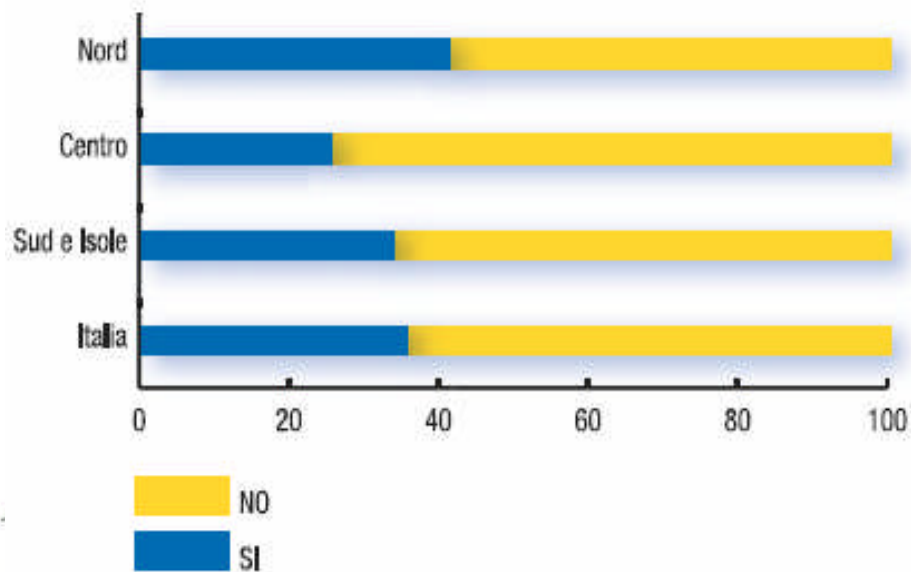
\* degenza; day hospital; ambulatorio - Questionari senza risposta = 14

## Tipology of Institutions with Divisions of Medical Oncology

### 4.1 - Tipo di Istituzione

N. Str. % su Totale % entro Reg.	Presidio ospedaliero	Azienda Ospedaliera	A.O. Univ. Mista	A.O. solo Univ.	IRCCS diritto pubblico	IRCCS diritto privato	Struttura privata	Altro	Totale
Nord	62	50	24	0	12	6	9	9	172
	16,99	13,70	6,58	0,00	3,29	1,64	2,47	2,47	47,12
	36,05	29,07	13,95	0,00	6,98	3,49	5,23	5,23	
Centro	46	15	11	3	2	1	3	4	85
	12,60	4,11	3,01	0,82	0,55	0,27	0,82	1,10	23,29
	54,12	17,65	12,94	3,53	2,35	1,18	3,53	4,71	
Sud e Isole	50	26	8	4	2	1	11	6	108
	13,70	7,12	2,19	1,10	0,55	0,27	3,01	1,64	29,59
	46,30	24,07	7,41	3,70	1,85	0,93	10,19	5,56	
Totale	158	91	43	7	16	8	23	19	365
	43,29	24,93	11,78	1,92	4,38	2,19	6,30	5,21	100,00

## Certified Divisions (%)





**Associazione Italiana  
di Oncologia medica**

### Certified Divisions (%)

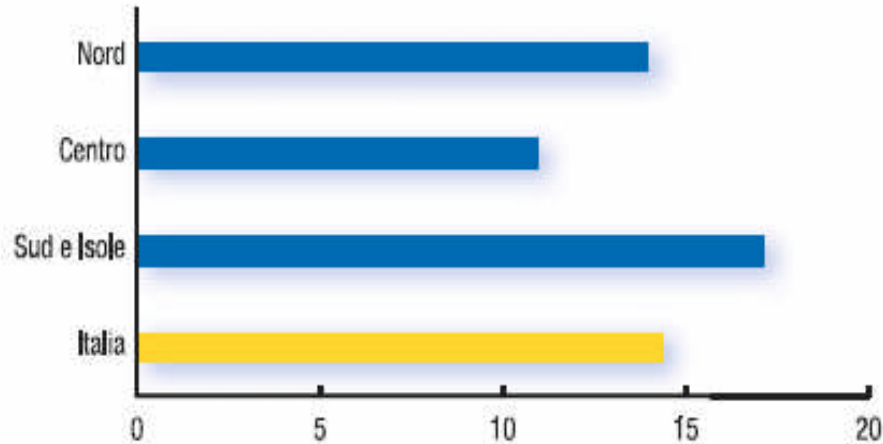
N. Strutture % su Totale % entro Reg.	SI	No	Totale
Nord	67	96	163
	19,36	27,75	47,11
	41,10	58,90	
Centro	20	59	79
	5,78	17,05	22,83
	25,32	74,68	
Sud e Isole	35	69	104
	10,12	19,94	30,06
	33,65	66,35	
Italia	122	224	346
	35,26	64,74	100,00



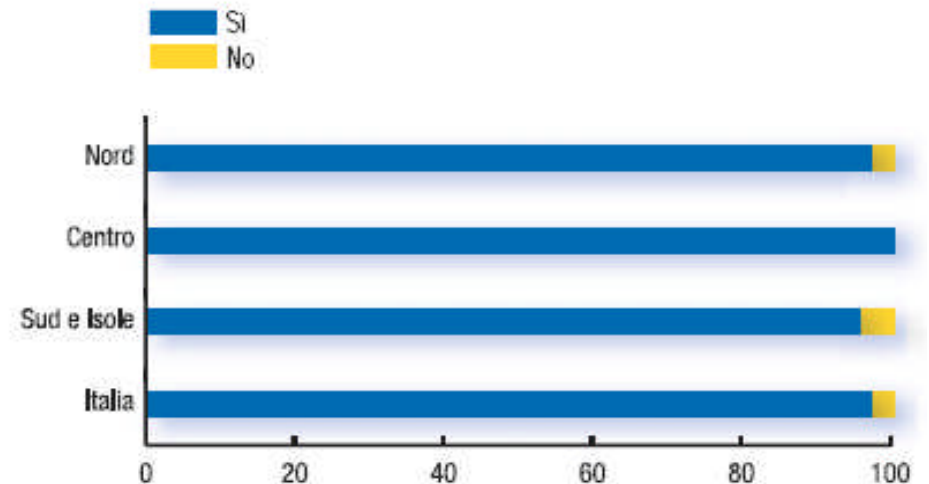
Association of Radiotherapy and Oncol...

## Median number of ordinary and Day-Hospital beds

Median number of beds in the Divisions of Medical Oncology

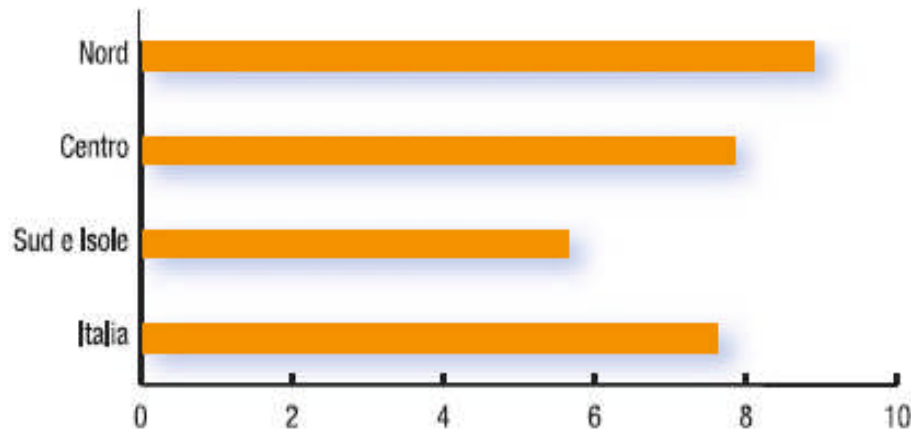


Day-Hospital Beds (%)

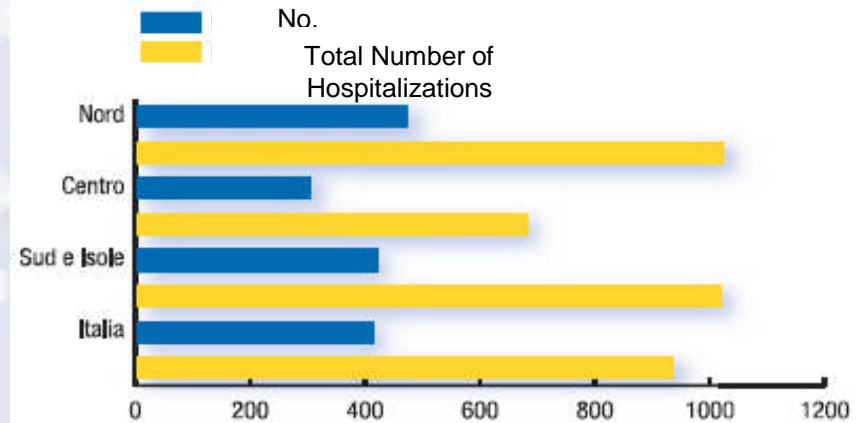


## Median number of Hospitalization, Day-Hospital & Ambulatory Accesses

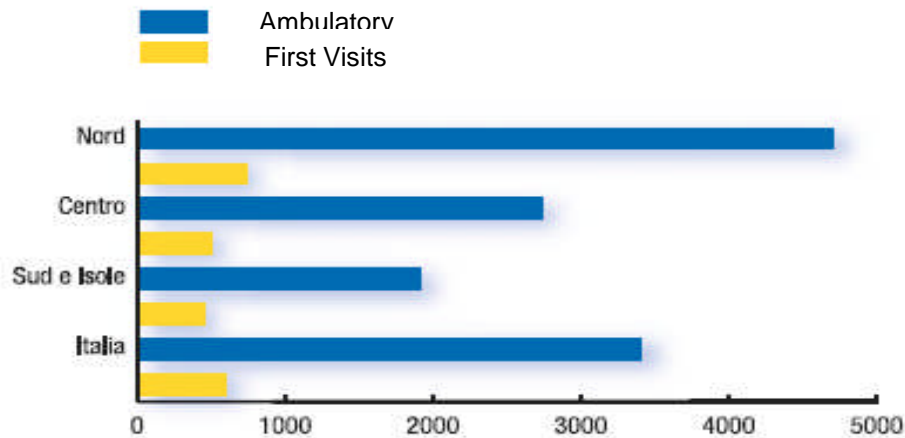
Median Duration of Hospitalization (days)



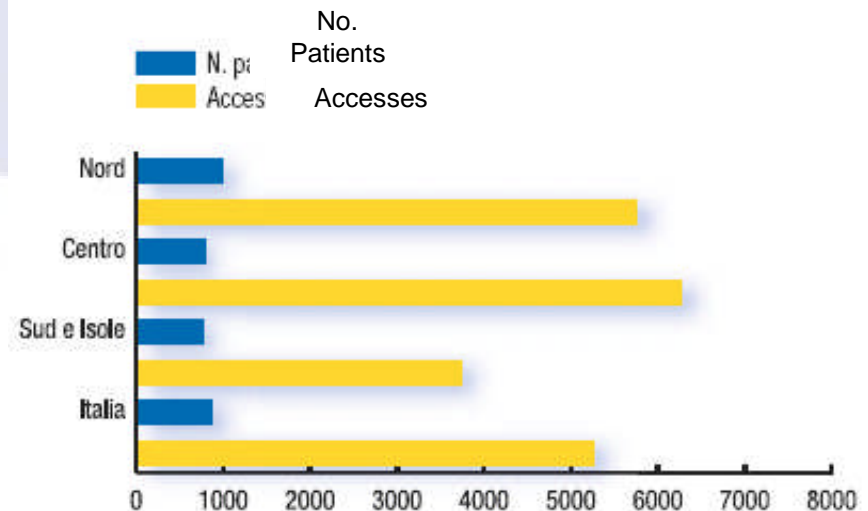
Number of Hospitalization



Ambulatory Visits and First Visits

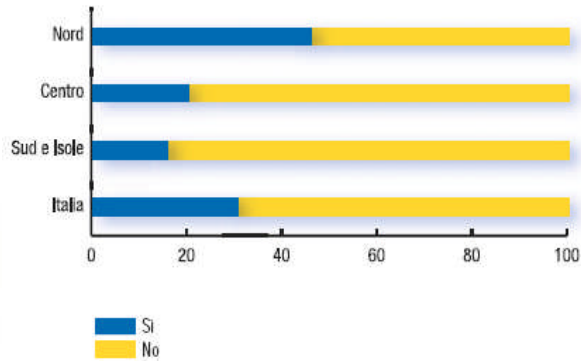


Median Number of Day-Hospital accesses

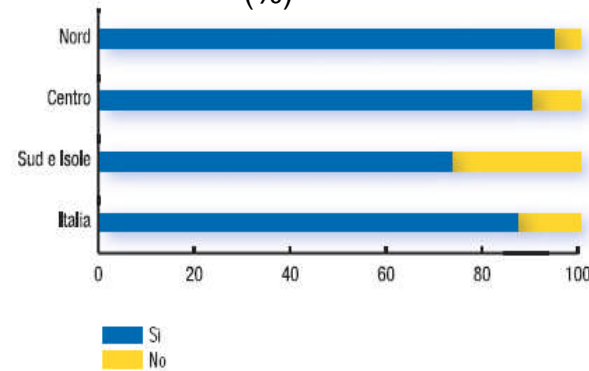


# Median number of Supportive Care Divisions

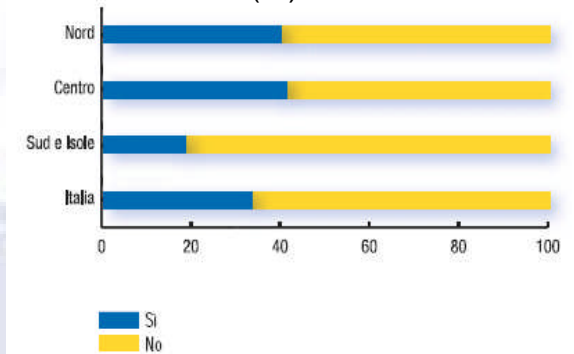
8.7 Hospice (%)



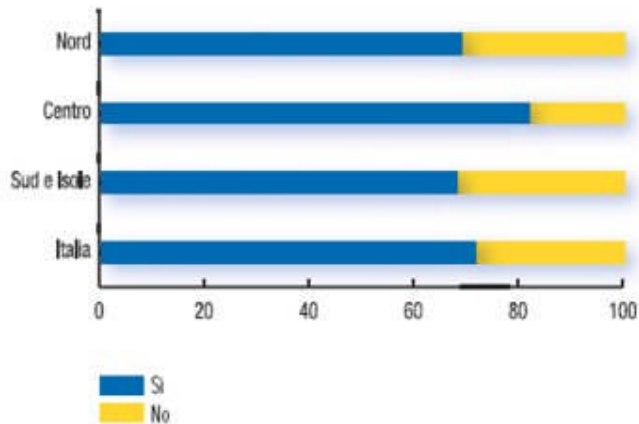
Home Care Centres (%)



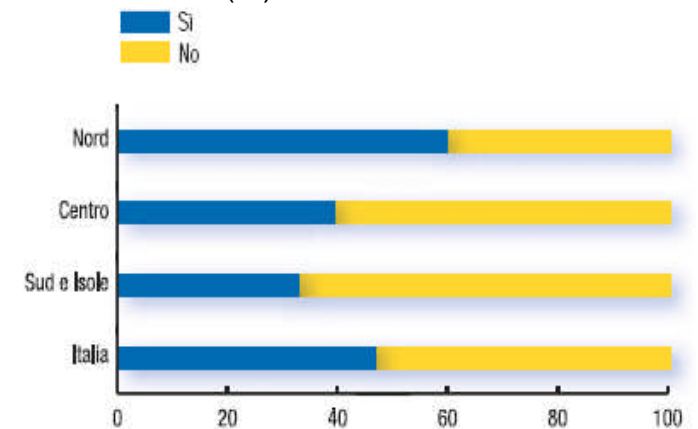
Oncologic Rehabilitation Centres (%)



PainTherapy Centres (%)

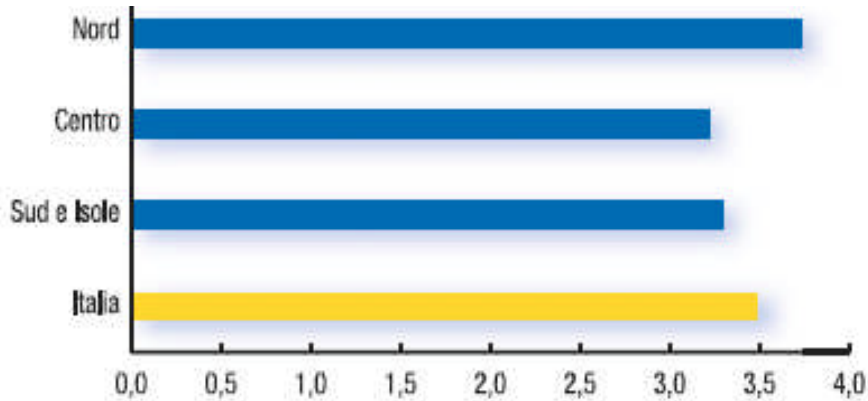


Palliative Care Centres (%)

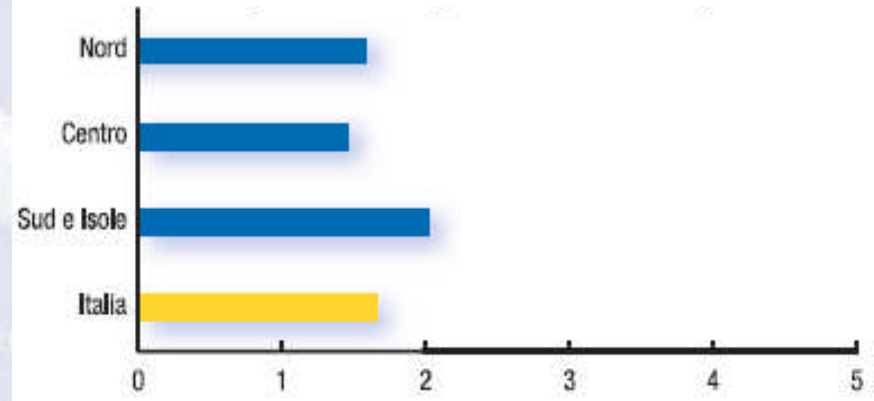


## Median number of Medical Oncologist, Psicologist and Data Manager Staffs

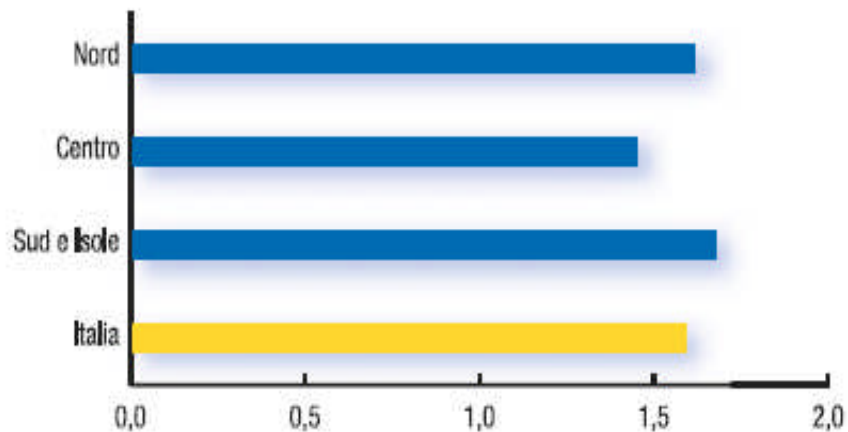
**Median Number of Medical Oncologists per Divisions**



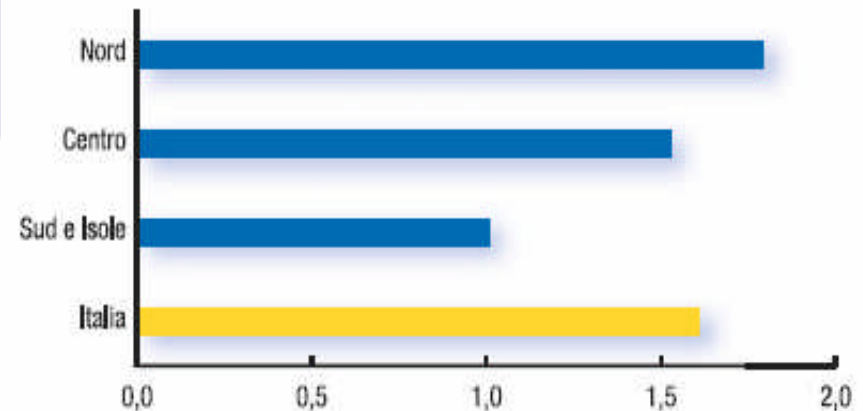
**Median Number of Other Specialists per Divisions**

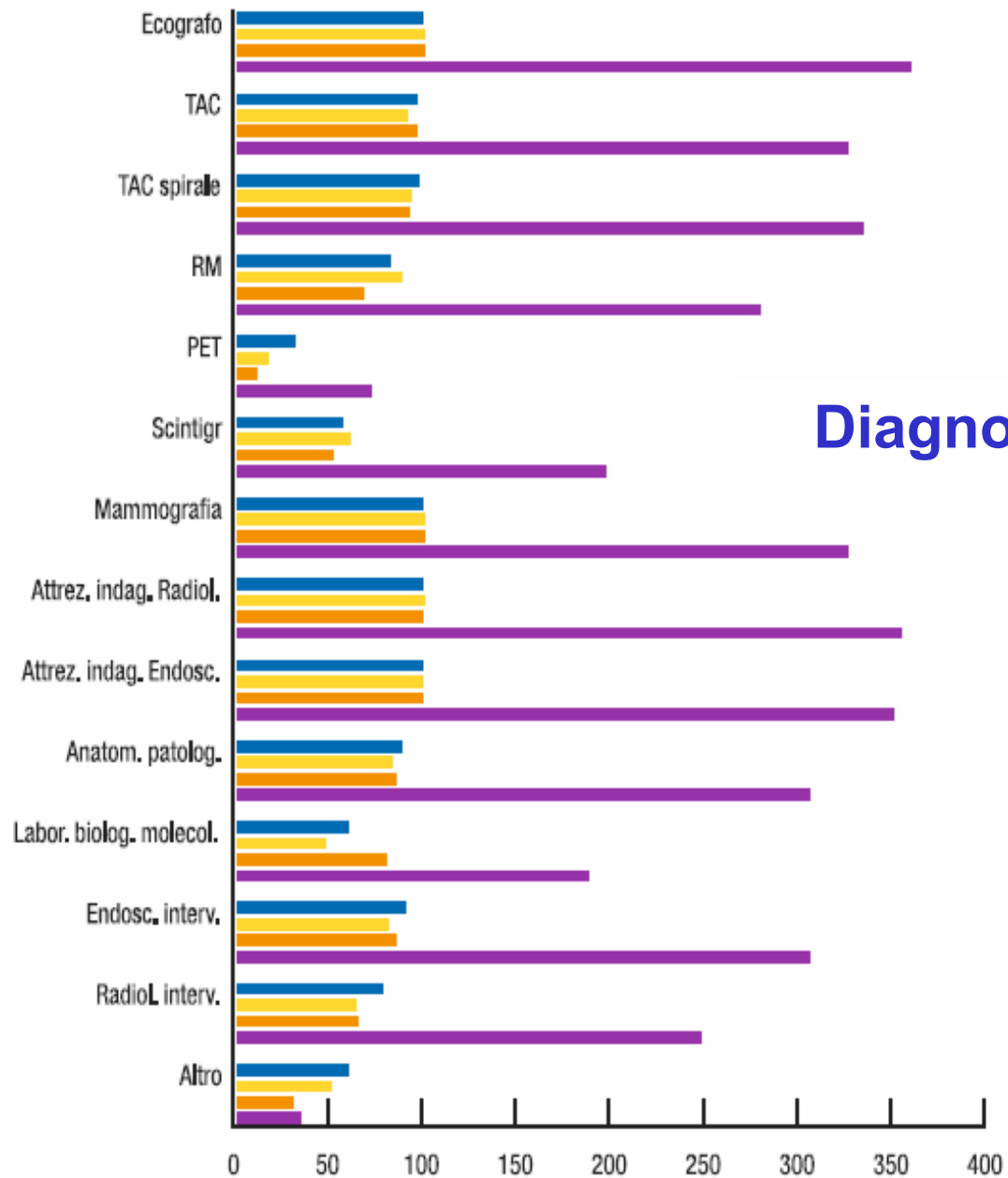


**6.6 Psicologi**



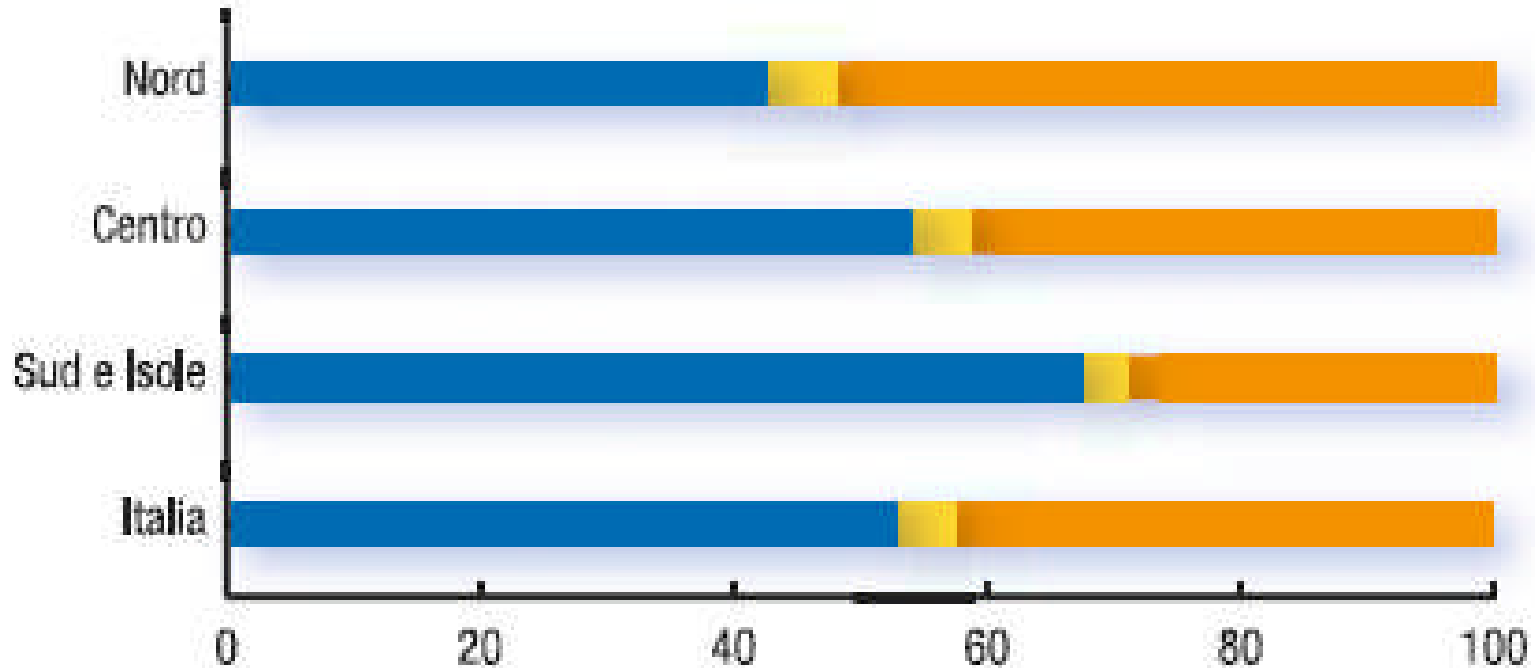
**6.9 Data Manager**





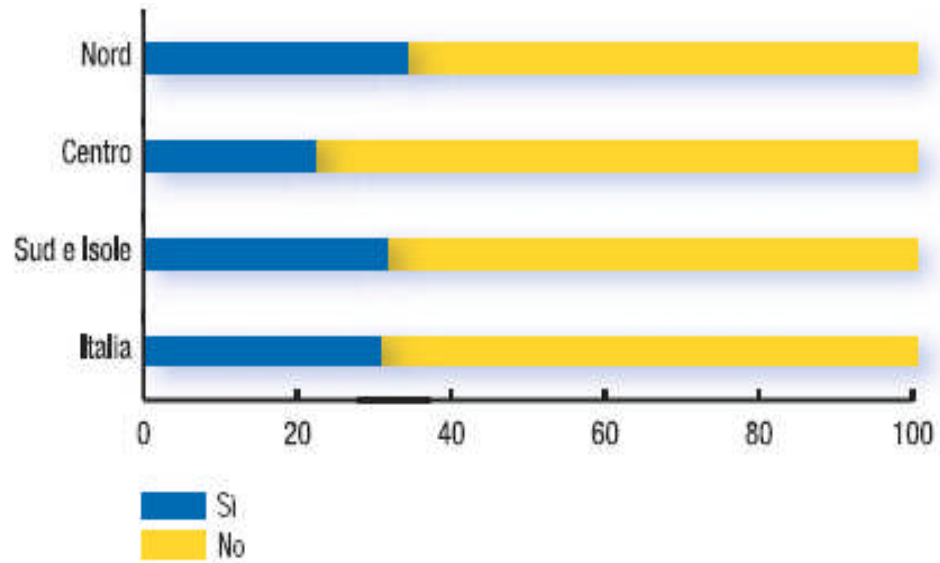
## Median number of Divisions employing electronic chart

**Charts Type (%)**

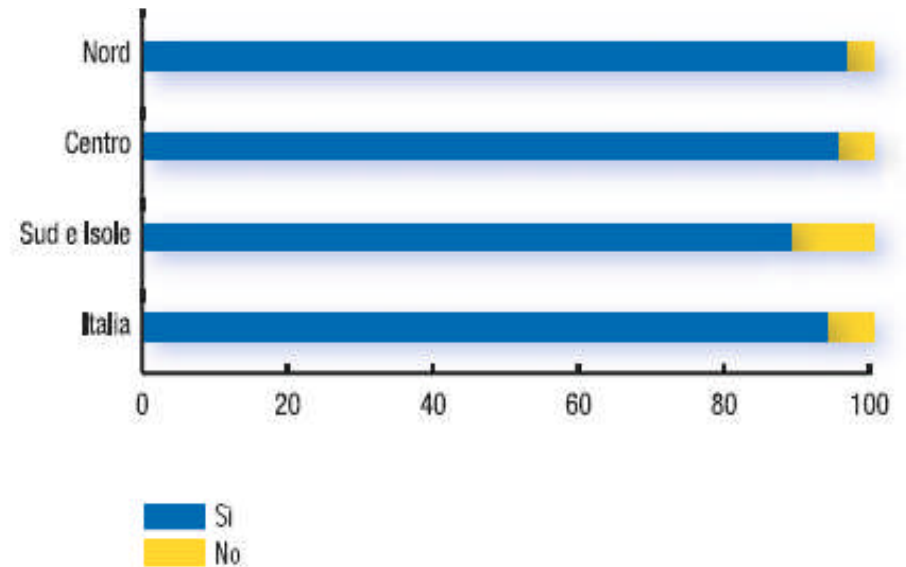


## Level of access to the networks

### Divisions Website (%)

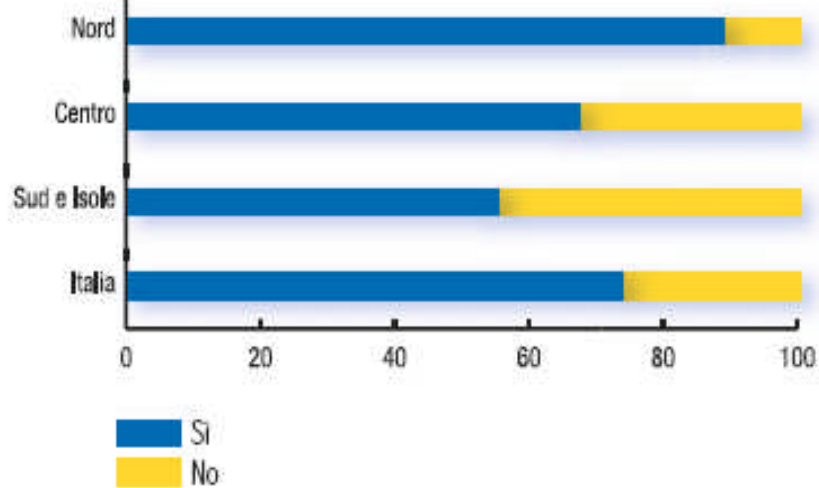


### Internet access (%)

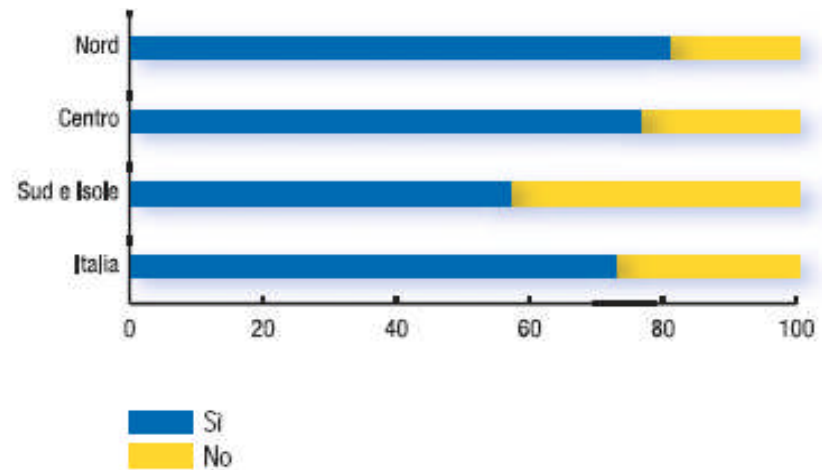


# Research activities by Italian Divisions of Medical Oncology

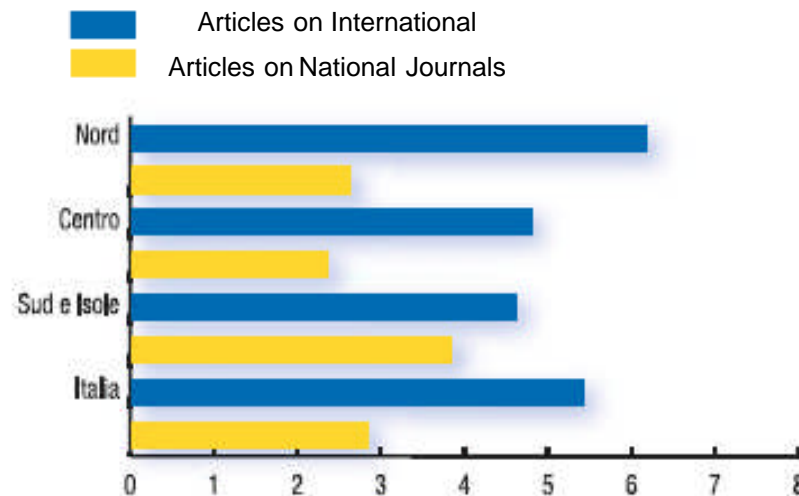
**Presence of a Library containing Oncologic Journals (%)**



**Internet Full Text Access to Oncologic Journals (%)**



**Number of Publications by Divisions of Medical Oncology**





**Thank you**  
**Cesare Gridelli**