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La registrazione del cancro nei Paesi in via di sviluppo

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International Association of Cancer Registries



Piedmont Cancer Registry



- XIX Century on Sovereign Countries / Colonies / Recent Past Colonies/ Commonwealth
- 1952 on Third World (A. Sauvy, “Thiers Monde”)
- 1953 on Developing Countries
- 1980 on Emerging Markets (→ Economies, Countries)
- 1973 on The World Bank’s Country Classification Systems (also adopted by other IO): LOW; LOW-MIDDLE; UPPER-MIDDLE; HIGH



CANCER INCIDENCE IN FIVE CONTINENTS (VOL. I)

Data 1959-1962
UICC Edition, 1966

Number of Cancer Registries by Continents & Country Status			
	SOVRAIN COUNTRY	STILL COLONIES/ RECENT INDEPENDENCE/ COMMOWEALTH/	TOTAL
AFRICA	1	3	4
ASIA	2	1	3
NORTH AMERICA	8	0	8
CENTRE-SOUTH AMERICA	3	1	4
OCEANIA	1	0	1
EUROPE	12	0	12
TOTAL	27	5	32



CANCER INCIDENCE IN FIVE CONTINENTS (VOL. I)

Data 1959-1962

UICC Edition, 1966

	Population (% Global Population)	Number of Registries	% of Coverage
AFRICA	8.9%	4	0.4%
ASIA	52.8%	3	0.3%
NORTH AMERICA	6.3%	8	7.8%
CENTRE-SOUTH AMERICA	13.2%	4	2.5%
OCEANIA	0.5%	1	14.8%
EUROPE	18.3%	12	7.1%
TOTAL	100%	32	2.4%



CANCER INCIDENCE IN FIVE CONTINENTS (VOL. IX)

Data 1998-2002

	LOW		LOW-MIDDLE		UPPER-MIDDLE		HIGH		TOTAL	
AFRICA	5.4%	2	5.5%	1	1.5%	2	0.001%	0	12.4%	5
	0.2%	0.9%	0.8%	1.0%	0.7%	1.9%	0.002%	0	1.7%	1.0%
ASIA	3.7%	0	45.1%	14	3.6%	7	3.6%	23	56.0%	44
	0.2%	0	7.1%	1.8%	1.8%	4.7%	15.3%	35.0%	24.5%	4%
AMERICA	0.13%	0	0.6%	0	7.2%	10	5.7%	54	20.0%	64
	0.01%	0	0.1%	0	5.2%	7.6%	37.3%	80%	42.6%	22.7%
NORTH AMERICA	0%	0	0%	0	0%	0	4.7%	53	4.7%	53
	0%	0%	0%	0%	0%	0%	32.8%	88.8%	32.8%	88.8%
CENTRE-SOUTH AMERICA	0.13%	0	0.6%	0	7.2%	10	1.0%	1	15.2%	11
	0.01%	0%	0.1%	0%	5.2%	4.7%	4.5%	0.6%	9.8%	2.2%
OCEANIA	0%	0	0.1%	0	0.0013%	0	0.4%	10	0.5%	10
	0%	0%	0.02%	0	0.0004%	0	1.4%	96%	1.4%	73%
EUROPE	0%	0	0.8%	0	3.8%	11	6.2%	85	10.7%	96
	0%	0%	0.1%	0	2.0%	17.1%	27.6%	46%	29.8%	33%
TOTAL	9.2%	2	52.1%	15	16%	30	15.9%	172	100%	219
	0.5%	0.5%	8.2%	1.7%	9.7%	8.7%	81.7%	56.9%	100%	10.8%



CANCER INCIDENCE IN FIVE CONTINENTS (VOL. IX)

Data 1998-2002

	LOW		LOW-MIDDLE		UPPER-MIDDLE		HIGH		TOTAL	
	%	#	%	#	%	#	%	#	%	#
AFRICA	5.4%	2	5.5%	1	1.5%	2	0.001%	0	12.4%	5
	0.2%	0.9%	0.8%	1.0%	0.7%	1.9%	0.002%	0	1.7%	1.0%
ASIA	3.7%									
	0.2%									
AMERICA	0.13%									
	0.01%									
NORTH AMERICA	0%									
	0%									
CENTRE-SOUTH AMERICA	0.13%									
	0.01%									
OCEANIA	0%									
	0%									
EUROPE	0%									
	0%									
TOTAL	9.2%									
	0.5%									

	LOW
	5.4%
	2
AFRICA	0.2%
	0.9%

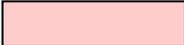
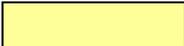
	= % of global population
	= % of global GDP
	= Number of registries
	= % of coverage (in relevant cell)

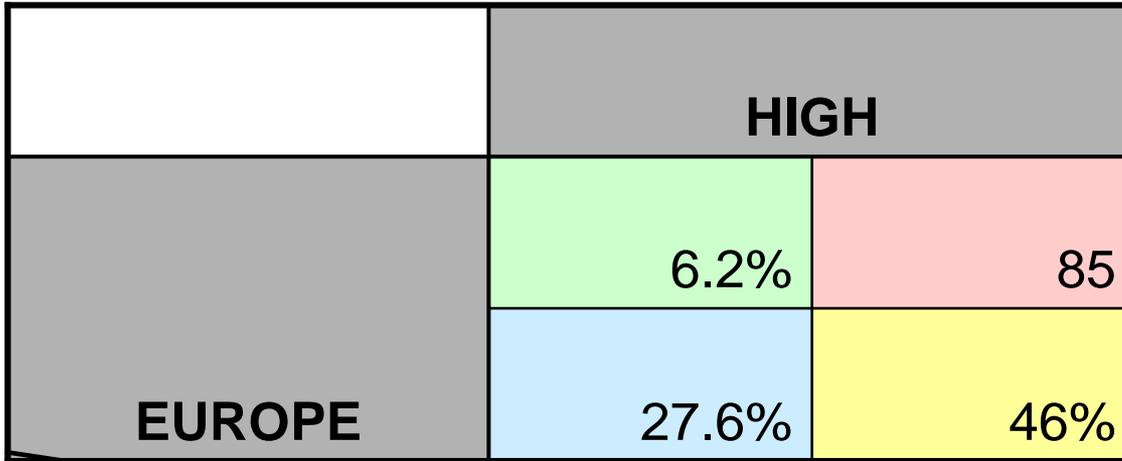
Legend:

- = % of global population
- = % of global GDP
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CANCER INCIDENCE IN FIVE CONTINENTS (VOL. IX)

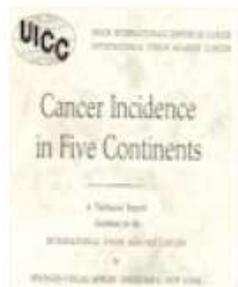
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-  = % of global GDP
-  = Number of registries
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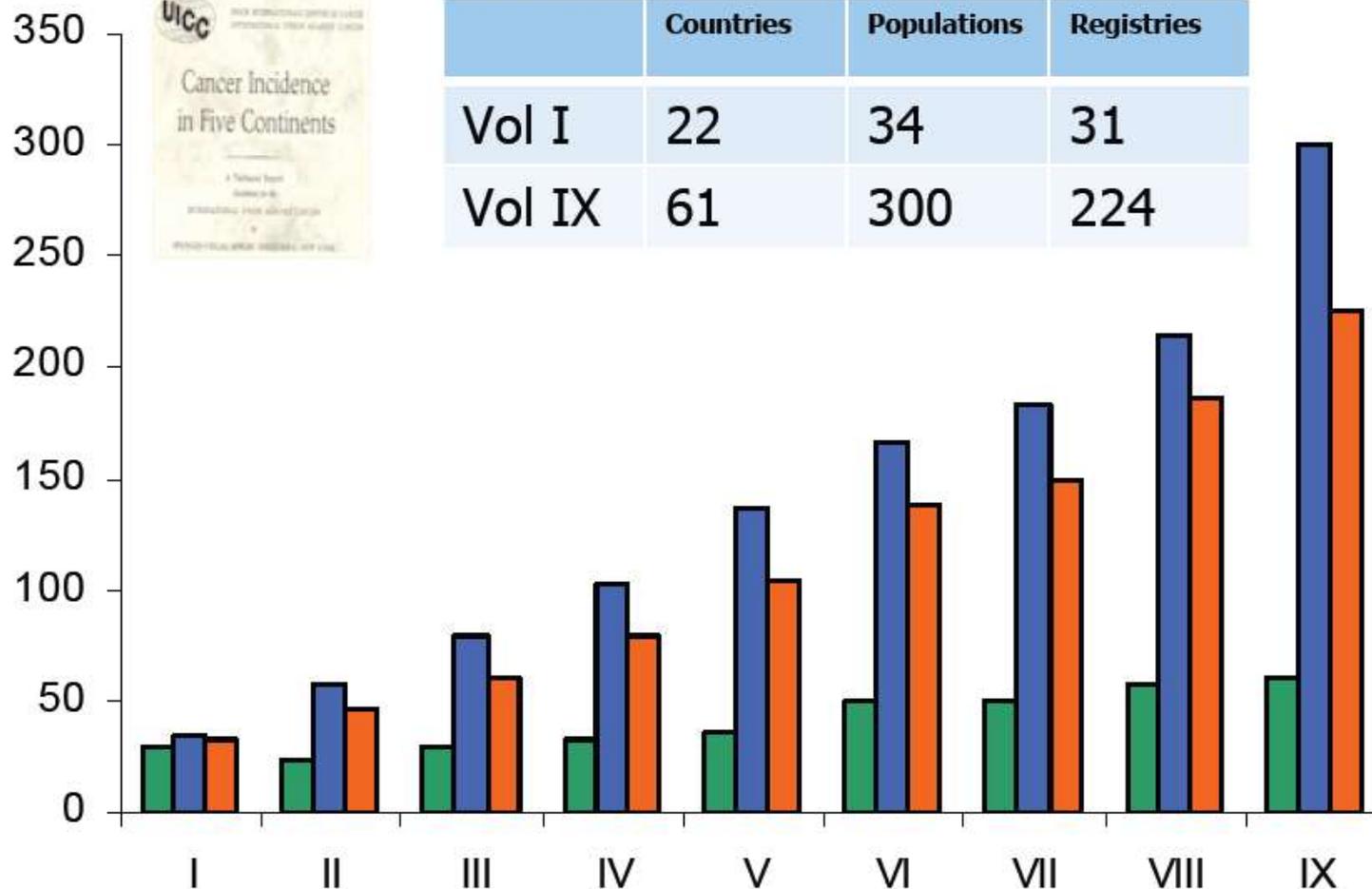
HIGH		TOTAL	
0.001%	0	12.4%	5
0.002%	0	1.7%	1.0%
3.6%	23	56.0%	44
15.3%	35.0%	24.5%	4%
5.7%	54	20.0%	64
37.3%	80%	42.6%	22.7%
4.7%	53	4.7%	53
32.8%	88.8%	32.8%	88.8%
1.0%	1	15.2%	11
4.5%	0.6%	9.8%	2.2%
0.4%	10	0.5%	10
1.4%	96%	1.4%	73%
6.2%	85	10.7%	96
27.6%	46%	29.8%	33%
9.2%	2	52.1%	15
16%	30	100%	219
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EUROPE	0%	0	0.8%	0	3.8%	11	6.2%	85	10.7%	96
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	Countries	Populations	Registries
Vol I	22	34	31
Vol IX	61	300	224



- Countries
- Populations
- Registries

CI5 Volume X – Data submissions

	Pops	Registries	Countries	National
Africa	16	16	14	2
C&S America	31	31	9	2
N America	140	65	2	2
Asia	115	100	19	8
Europe	134	134	34	25
Oceania	15	11	3	2
Total	451	357	81	41



AFRICA

CI5 I – X + IACR Member List + anecdotes

- N. of registries: few: 0 (Vol.V) - 6 (Vol. VIII)
- Turnover: many starts and disappearances
- New starts/False starts/ Discontinuities >>
Stability/Continuity
- Size of coverage: small - medium



ASIA

CI5 I – X + IACR Member List + anecdotes

- N. of registries: few → many
(But sporadic in Central Asia; absent in Asian parts of Russian Fed.)
- General stability of the initiatives
- Size of coverage: small – medium – large



AMERICA

CI5 I – X + IACR Member List + anecdotes

NORTH

- Almost complete coverage; “steps” SEER → State Registries

CENTRE, SOUTH

- N. of registries: few
- Turnover: important , but

- at least one registry always contributing to CI5: Cali, Colombia (Vol I – X).
- Stability in Brasil
- Size of coverage: small – medium – large



EUROPE

CI5 I – X + IACR Member List + anecdotes

- Constant increase of total coverage till the present ~ 50%, without “steps”.
- Also Europe has experienced, at regional levels, cases of turnover; there is a large variation in the size of population coverage.
- The European parts of Russian Federation are similar to Asian Russian, with limited coverage



OCEANIA

CI5 I – X + IACR Member List + anecdotes

- Coverage is limited to large countries (AU, NZ) and to Hawaii State (USA).
- Registries are stable
- Size of coverage: medium



**GRAZIE
PER
L'ATTENZIONE!**

