The evolution of the population-based cancer registries in Brazil: A performance evaluation

Objective
To analyze the historical evolution of the Brazilian PBCR through the report of their specific characteristics of implantation, maintenance and future perspectives.

Methods
The analysis was based on information included in available technical reports and publications from the National Cancer Institute of Brazil, emphasizing coverage indicators, quality of data collected, regularity of activities and to publish updated reports.
Cancer registry coverage in Brazil

Population coverage of Brazilian PBCR established by decade.

- 80 (8)
- 70 (14)
- 80 (8)
- 80 (15)
- After 2000 (26)

Sources: MP/Brazilian Institute of Geography and Statistics Foundation - IBGE
MS/INCA/Conprev/ Information Department

Cancer registry coverage in Brazil

Coverage of active PBCR by cities population. Brazil, 2007

- 0 to 500,000 (5,528)
- 500,001 to 1 million (22)
- 1 million to 3 million (12)
- More than 3 million (2)

Sources: MP/Brazilian Institute of Geography and Statistics Foundation - IBGE
MS/INCA/Conprev/ Information Department

Cancer registry coverage in Brazil

Population coverage by active PBCR and PBCR with published data* from Brazil and geographical macro-regions, 2007.

Brazil
North
Northeast
Middle West
Southeast
South

Populational coverage by active PBCR and PBCR with published data* from Brazil and geographical macro-regions, 2007.

Historical evolution of Brazilian population-based cancer registries

Source: MS/INCA/Conprev/ Information Department
Indices of Data Quality

Brazil vs. America, Central and South

Percentage of cases with diagnosis based on Death Certificate Information Only - %DCO.

Brazilian population-based cancer registries.

Percentage of cases histologically verified of diagnosis - %HV.

Brazilian population-based cancer registries.

Average mortality/incidence ratios percent – %M/I.

Brazilian population-based cancer registries.
Average age-adjusted incidence rates* from all cancers but skin, by sex. 

Brazilian PBCR

Sources: Brazilian population-based cancer registries - MS/INCA/COAE/Information Technology Department

Instruction manuals and Registration forms PBCR and HBCR

since 1999

Cancer registration software developed by National Cancer Institute of Brazil

Data linkage among Cancer Registries

HBCR

PBCR

81% (87/107) *

92% (23/26)

* excluded 52 HBCR of São Paulo

Source: MS/INCA/COAE/Information Technology Department

RHC Brasil

National Hospital Cancer Register Database
On line Information

Investments – Federal funds

Volume Investments

Federal funds provided to 27 states (1999 to 2006):
US $4.0 million or almost US $21,200 for states by year.
To cancer registries (surveillance) and to risk factors health surveys.

Governmental Decree nº 2607 - 12/28/2005 – Established, with resources of Health Surveillance Secretariat – SVS, financial support to provide funds to improve Population-Based Cancer Registries – PBCR activities.
US $500,000 by year or US $22,300 for PBCR by year.
Thank you for your kind attention!

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