

HTA based on health care  
system efficiency: using  
real-life data to improve  
health care management

Brazil examples

Gabriela Tannus Branco de  
Araujo, MSc

HTAi 2011 – Rio de Janeiro -  
Brazil





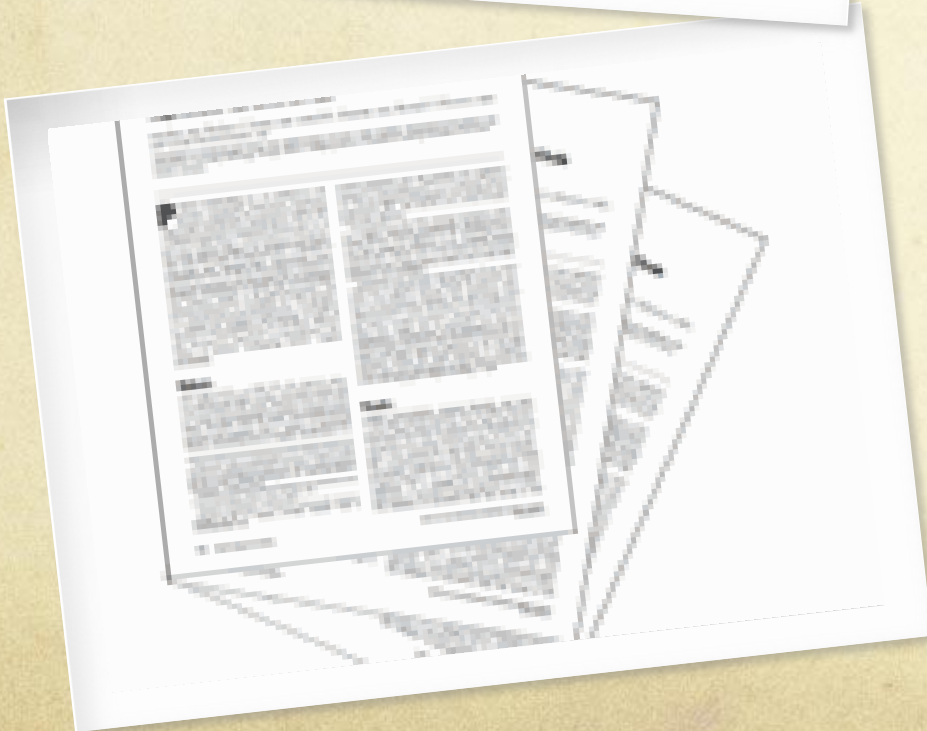
## Disclaimer:

The presented data are to be used only as examples – we are not going to discuss results as its not the objective of this session



# Data search :

- Government database – DATASUS
- Literature Review – Local publications
- Medical records – retrospective analysis
- Follow up programs or prospective analysis



# Schizophrenia hospitalization evolution

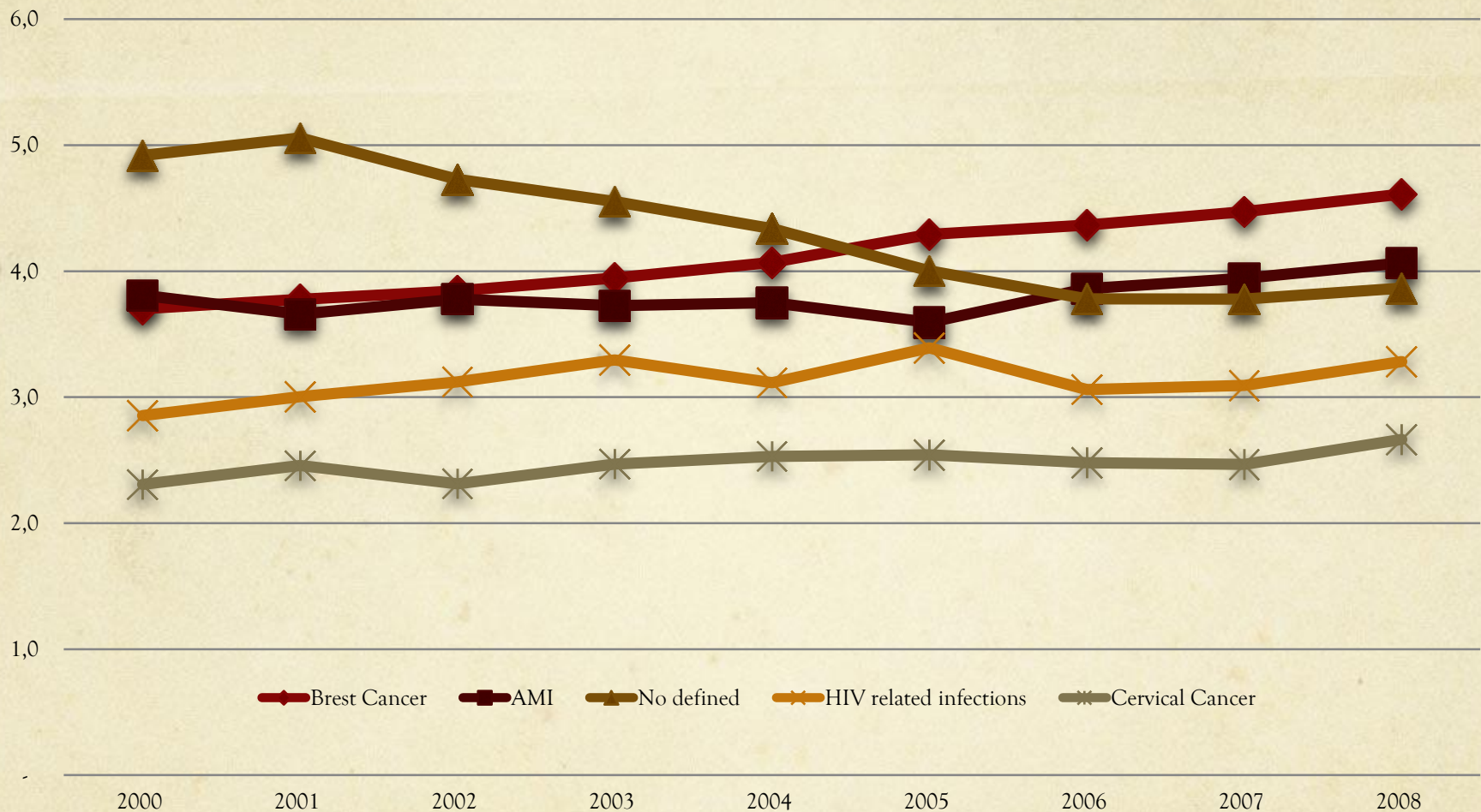


## Interventions

- “De volta para casa” program (Back home program)
- CAPs
- New drugs incorporation



# Women mortality evolution – TOP 5 causes



Information quality improvement ?!

# Examples of SUS databases

- Health assistance and morbidity
- SISMAMA - Breast cancer screening results
- SISCOLO - Cervical cancer screening results
- HIPERDIA - Diabetes and Hypertension
- NUTRICIONAL STATE
- AIDS and other obligatory notification diseases
- Mortality information System (SIM)
- VIGITEL - Self reported health state research
- Brazilian population Census
- Basic information inside them:
  - Gender
  - Age
  - Period
  - Health condition
  - Procedure
  - Etc...
- Displayed:
  - By Region
  - By State
  - By city



# Renal transplantation immunosuppression

## Ciclosporina versus tacrolimus no transplante renal no Brasil: uma comparação de custos

Cad. Saúde Pública, Rio de Janeiro, 26(1):163-174, jan, 2010

## Cyclosporine versus tacrolimus in kidney transplants in Brazil: a cost comparison

*<sup>1</sup> Faculdade de Farmácia,  
Universidade Federal de  
Minas Gerais, Belo Horizonte,  
Brasil.*

*<sup>2</sup> Superintendência de  
Assistência Farmacêutica,  
Secretaria de Estado da  
Saúde de Minas Gerais, Belo  
Horizonte, Brasil.*

*<sup>3</sup> Faculdade de Medicina,  
Universidade Federal de  
Minas Gerais, Belo Horizonte,  
Brasil.*

*<sup>4</sup> Instituto de Ciências Exatas,  
Universidade Federal de  
Minas Gerais, Belo Horizonte,  
Brasil.*

*<sup>5</sup> Agência Nacional de Saúde  
Suplementar, Belo Horizonte,  
Brasil.*

*Augusto Afonso Guerra Junior <sup>1,2</sup>  
Francisco de Assis Acúrcio <sup>1</sup>  
Eli Iola Gurgel Andrade <sup>3</sup>  
Mariângela Leal Cherchiglia <sup>3</sup>  
Cibele Comini Cesar <sup>4</sup>  
Odilon Vanni de Queiroz <sup>1,5</sup>  
Grazielle Dias da Silva <sup>2</sup>*

# Human papillomavirus (HPV) infection

Rev Saúde Pública 2010;44(5):963-74

Revisão

**Andréia Rodrigues Gonçalves Ayres<sup>1</sup>**

**Gulnar Azevedo e Silva<sup>II</sup>**

<sup>1</sup> Programa de Pós-graduação em Saúde Coletiva. Instituto de Medicina Social (IMS). Universidade Estadual do Rio de Janeiro (UERJ). Rio de Janeiro, RJ, Brasil

<sup>II</sup> IMS-UERJ. Rio de Janeiro, RJ, Brasil

## **Prevalência de infecção do colo do útero pelo HPV no Brasil: revisão sistemática**

## **Cervical HPV infection in Brazil: systematic review**



# How to turn the information more supportive to aid health care decisions

- Follow up system where the researchers can follow the patients evolution
  - High cost treatments
  - Rare conditions
  - Most prevalent health conditions
- Foster states and cities to improve their data transmission and data quality
- Keep the data quality improvement
- Keep on supporting research groups initiatives
- Partnerships



## Real word data in Brazil: A hard but not impossible or unrealizable task !

- Better utilization of the available information
- Data improvement
- Establishment of follow up programs





Obrigada !  
Thank you!

[gabriela.tannus@axia.bio.br](mailto:gabriela.tannus@axia.bio.br)