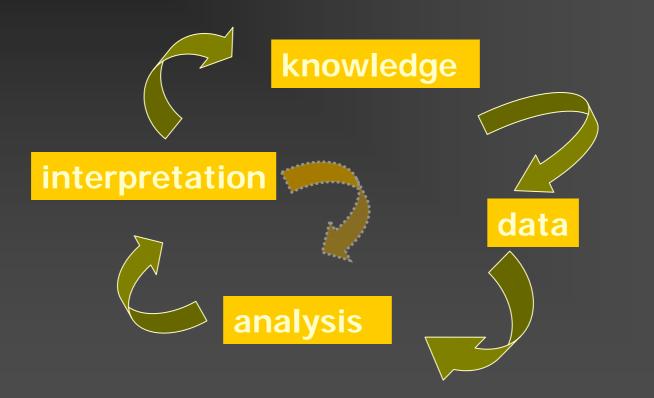
Methodological aspects in risk factors surveillance: the state of the art from a global perspective

Roma, 8 febbraio 2006

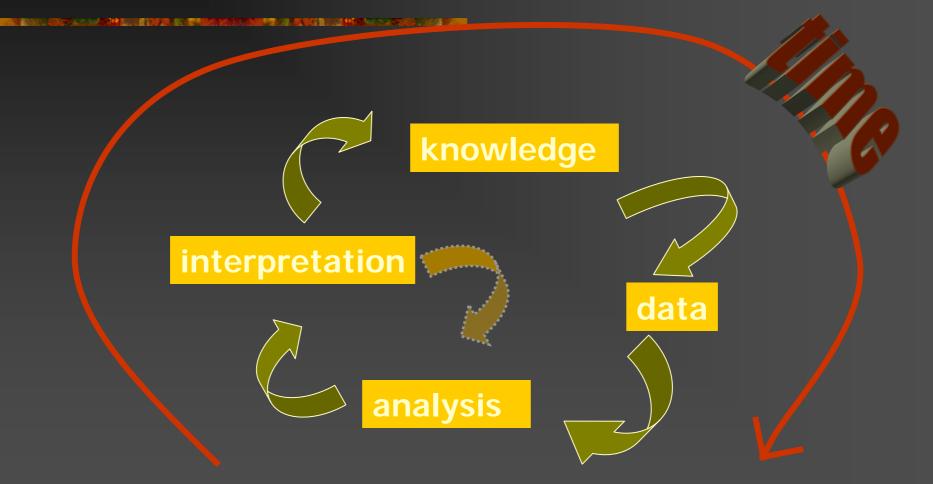
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Aspetti metodologici della sorveglianza sui fattori di rischio

The surveillance system



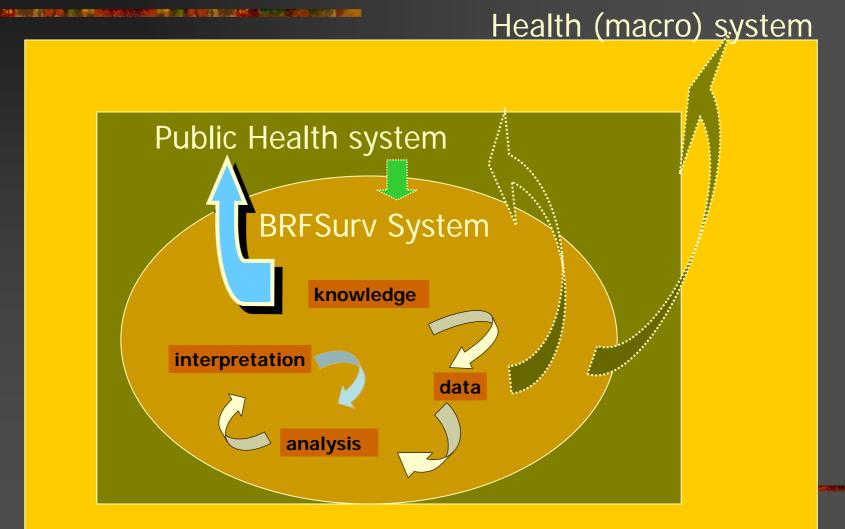
The surveillance system in action





surveillance

... in a broader picture



Acquired	Acquired, still problematic	Challenging (need further study)

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Most of questionnaire development		
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Surveillance approach (importance of time perspective, etc.)	How to measure	
Most of questionnaire development	Data collection (telephone, etc.)	
Surveillance system and empowerment	Survey errors (is it all in weighting?)	

How to measure

Social determinants

Diet and physical activities

Urban sprawl, etc.

Acquired, still problematic

Acquired, still problematic

Data collection

Is still the telephone the best way of collecting data on HRB?

YES

Be prepared to go on cell phones... Shorter questionnaires? Some advantage...

Multiple ways of data collection

NO





Is it all in weighting? Advantages and disadvantages

Need for errors measurement AND control

Acquired, still problematic

Acquired	Acquired, still problematic	Challenging (need further study)
Surveillance approach (importance of time perspective, etc.)	How to measure	Data analysis1: Small area data
Most of questionnaire development	Data collection (telephone, etc.)	Data analysis2: Interaction - complexity
Surveillance system and empowerment	Survey errors (is it all in weighting?)	Integration (data/info_linkage complex analysis)

Data analysis 1: small area statistics

Need for information at local level Statistics can help (nothing completely) new, already developed in other fields) Importance of GIS Time can (should) be considered as a variable that can help in 'borrowing' information

Data analysis2: analysis of interactions and complexity

- Need for more data (or more sophisticated techniques)
- Data mining (no new statistics, still an interesting approach)
- The challenge: analysis of interaction over time (a possible solution for some important puzzle)
- Optimal sampling



Data linkage, but also
Information linkage
A problem for data analysis



Running surveillance as a system

... important links:

- international network
- national (broad and specific) scientific community
- national statistical system(s)
- local/regional/national public health and health system