



SOCIALE ONGELIJKHEID IN KANKERINCIDENTIE, -SURVIVAL EN -STERFTE

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ROAD MAP

- ▶ Rationale for linking
- ▶ Linkage and collaboration
- ▶ Possibilities of data



1. RATIONALE FOR LINKING

- ▶ Socioeconomic and migrant background differences in cancer *mortality*
- ▶ E.g. Socioeconomic:
 - ▶ In 1980s: + association education / breast cancer mortality
 - ▶ In 1990s: no or - associaton
 - Change in patterns of incidence or rather survival?

1. RATIONALE FOR LINKING

- ▶ E.g. Migrant background: lung cancer mortality rate ratios (men, aged 25-54)

Migrant background	Mortality rate ratios	95% confidence intervals
Belgian (reference)	1.00	
French, 1 st gen, 0-9 years	0.68	0.40 – 1.17
French, 1 st gen, ≥ 10 years	1.46	1.22 – 1.75
French, 2 nd gen	1.55	1.18 – 2.03
Dutch, 1 st gen, 0-9 years	0.34	0.20 – 0.59
Dutch, 1 st gen, ≥ 10 years	0.79	0.57 – 1.11
Dutch, 2 nd gen	0.89	0.63 – 1.27
Moroccan, 1 st gen, 0-9 years	0.73	0.40 – 1.32
Moroccan, 1 st gen, ≥ 10 years	1.00	0.81 – 1.23
Moroccan, 2 nd gen	1.99	1.13 – 3.52

Source: Belgian census linked to Registry data and death certificates, period 2001-2011

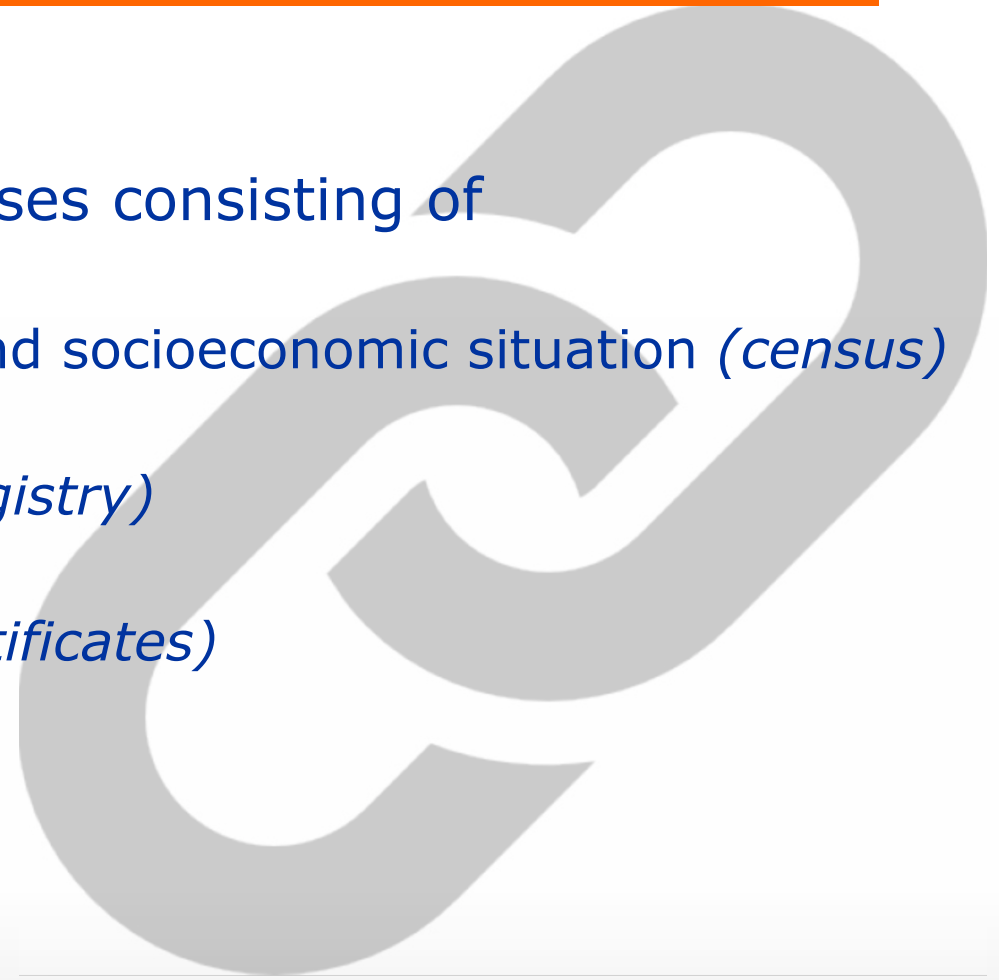
1. RATIONALE FOR LINKING



- ▶ Do mortality patterns reflect patterns in incidence, or rather survival?

2. LINKAGE AND COLLABORATION

- ▶ → Linkage between different databases consisting of
 - ▶ information on sociodemographics and socioeconomic situation (*census*)
 - ▶ cancer incidence (*Belgian Cancer Registry*)
 - ▶ (cause-specific) mortality (*death certificates*)

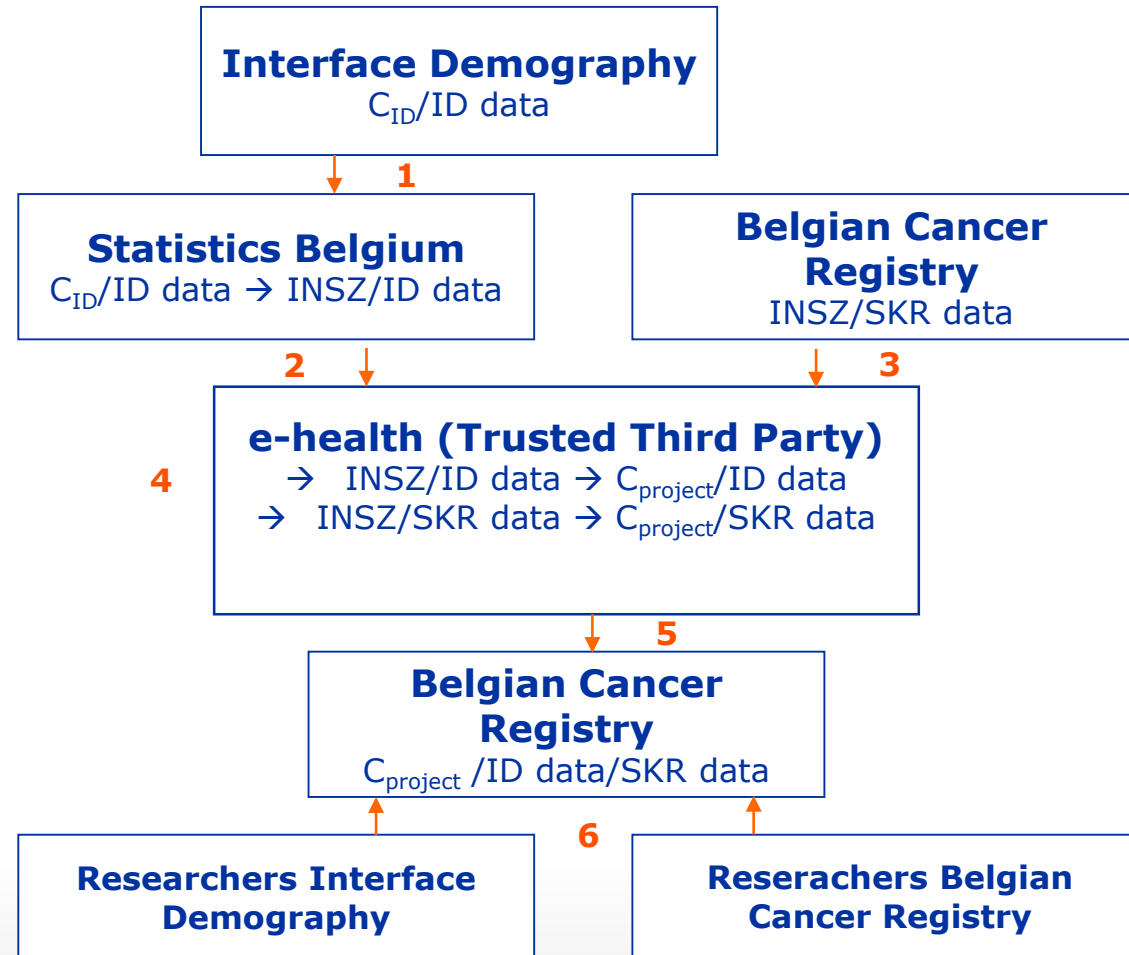


2. LINKAGE AND COLLABORATION

- ▶ Collaboration between
 - ▶ Belgian Cancer Registry
 - ▶ Statistics Belgium
 - ▶ Interface Demography



2. LINKAGE AND COLLABORATION



3. POSSIBILITIES OF DATA

Main objectives project

- ▶ Map out differences in incidence, survival & mortality by migrant background and socioeconomic position
- ▶ Probe into mechanisms behind the observed patterns
 - ▶ Socioeconomic, demographic and clinical confounders
 - ▶ Breaking down: immigrant origin, generations, age at migration, length of stay

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3. POSSIBILITIES OF DATA

Example of research currently being conducted

- ▶ Is lower breast cancer mortality in non-western migrant vs. Belgian women due to lower incidence and/or higher survival in these groups?
 - ▶ Role of reproductive factors in incidence pattern?
 - ▶ Role of stage of diagnosis in differences in survival risks between Belgian and non-western women?



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