

lifelines frequency of cancer

The frequency of cancer occurrence at baseline and the newly reported cases since baseline. These numbers are exclusively based on questionnaire data (self-reported) from adult Lifelines participants, from 2006 till 2017 (152,728 participants). Cancer types are categorized conform NKR (Dutch Cancer Registration). More detailed information is available on request.



Cases at baseline Newly reported cases — since 2011

Cancer general 7000 2400

skin cancer	2500	890
breast cancer	1300	480
endometrial cancer	670	65
ovarian cancer	95	27
vaginal and vulvar cancer	10	<10
lung cancer	65	60
head/neck cancer excl. eye and salivary glands	95	15
eye cancer	10	<10
salivary gland cancer	20	<10
central nervous system cancer	80	40
prostate cancer	320	245
penile cancer	<10	<10
testis cancer	200	20
urinary tract and bladder cancer	110	55
bowel cancer	340	170
oesophageal cancer	20	25
stomach cancer	15	10
pancreas cancer	10	15
gallbladder cancer	<10	<10
other digestive tract cancer	<10	<10
liver cancer	15	10
thyroid cancer	100	20
bone and soft tissue cancer	90	35
plasma cell cancer	20	15
other haematological cancer	<10	<10
kidney cancer	85	45
leukemia	100	55
lymphoma	225	60
prestage cancer	320	85
unknown if it is cancer	115	<10
cancer, but location unknown	90	30

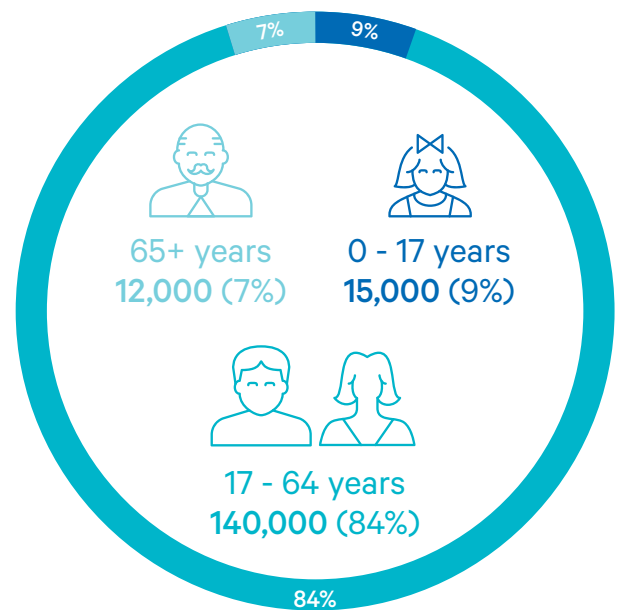
Linkage with external data source PALGA.

Next to the self-reported data we have the possibility to link our data to data from PALGA. PALGA is a nationwide network and registry of histo- and cytopathology in the Netherlands. With this linkage pathological diagnosis of cancer is available.



lifelines cohort and biobank

Lifelines is a large, multi-generational cohort study that includes over 167,000 participants from the northern population of the Netherlands. Lifelines works with a combination of questionnaires, measurements and biological samples; thus, providing a unique source for research purposes. Participants from three generations are followed for at least 30 years, to obtain insight into healthy ageing and the main factors relating to the onset and progression of diseases. Every 1.5 years, participants complete a questionnaire, in which they provide a wide variety of data. In addition, once every 5 years, participants are invited to visit a Lifelines location for a physical examination. During this visit, biological samples are collected and several measurements and tests are conducted. Biological samples are stored at -80°C to ensure high quality and long-term preservation.



total: 167,000 participants

available data & biological samples

Measurements:

- anthropometry
- blood pressure
- ECG
- lung function
- cognitive tests
- psychiatric interview
- skin autofluorescence

Biological samples:

- blood (fasting sample)
- 24h urine
- faeces
- scalp hair
- DNA

Follow up questionnaires:

- medical history
- lifestyle
- nutrition
- physical activity
- social-demographic factors
- quality of life
- symptoms
- personality
- stress
- social context
- other

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Lifelines data are available to researchers, worldwide, in the field of healthy ageing. Are you interested in the possibilities Lifelines has to offer for research or policy development? Please check our website www.lifelines.nl or contact us directly: research@lifelines.nl.

