

The International Database on Longevity: Data Resource Profile



INTRODUCTION

The evidence about mortality at the most advanced ages has been a matter of continuous discussions. Many researchers attempt to understand whether the limit to the human lifespan has been already reached or to evaluate the changes in the shape of hazard trajectory at the extreme ages.

The International Database on Longevity (IDL), the collaborative work of the group of international researchers, has been set up to disseminate thoroughly validated information on semi- and supercentenarians and to enable the analysis of mortality trajectories of extreme longevity.

IDL peculiarity

DL Project

atabase

ontact

opyright & Legal

threshold age.

Data resource access

ivacy Policy

It is the only the database that provides validated individual-level data on semi- and supercentenarians free from age ascertainment bias

The major 2019 updates of the IDL

The threshold age is 105 years and above:

International Database on Longevity

prepared and will be accessible in the end of summer 2019

free of charge upon registration, which is quick and simple.

IDL Project

Introduction

- All data from the IDL-2010 revision, as well as new data collected during two rounds of updates are included in the new version;
- The pooled IDL dataset is harmonized and carefully checked in order to guarantee the comparability of collections over time and increase the cross-country coherence of the data.

WEBSITE: www.supercentenarians.org

he International Database on Longwity (IDL) is the result of an ongoing concerted effort to provide thoroughly <u>validate</u> information on individuals who attain extreme ages. The IDL allows for the demographic analysis of mortality at the high ges. Originally, the data were collected on individuals who attained an age of ID2 ovars or more : so called supercenten in the meantime the data collection has been extended to include younger ages for some countries.

great steps to secure <u>data privacy</u>. All individual information is made anonymous, and no information on the individual will be made available.

ides data for research purposes and information can be downloaded free of charge. Terms of usage can be found

The information entered into the IDL is supplied by a group of international <u>contributors</u>. The data collection uch a way that <u>age_ascetalaiment bias</u> is avoided and detailed <u>meta-data</u> are given for each country. This inf ssential for valid demographic analyses.

AVAI	lable data b	Y COUNTRIES	(as of May 201	9)
	Diseased		Alive	
Countries	105-109	110 and above	105-109	110 and above
Austria	261	6	44	n/a
Belgium	782	21	61	2
Canada (Quebec)	321	12	n/a	n/a
Denmark	447	3	33	1
England and Wales	1054	129	n/a	n/a
Finland	n/a	5	n/a	1
France	9612	241	n/a	n/a
Germany	928	16	25	1
Japan	28	78	2836	113
Italy*	2336	143	1198	18
Norway	220	8	n/a	n/a
Spain	n/a	60	n/a	n/a
Sweden	n/a	10	n/a	2
Switzerland	236	4	n/a	n/a
USA	338	504	n/a	n/a
TOTAL	16563	1240	4197	138

^r Data for Italy might be later excluded from the IDL due to the demand from the Italian National Statistical Office (ISTAT)

COUNTRY DATA PAGE

International Database on Longevity

Database

Different types of files are provided on the country data page:

- Data file with individual records of people
- diseased at the age 110 and above
- Data file with individual records of people alive at the age 110 and above (if available)

Metadata file: information about the data collection process and the validation method

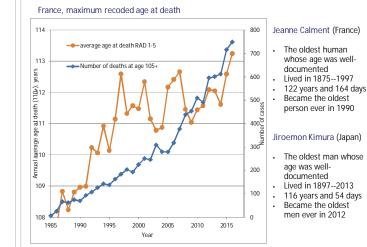
In the updated version of the IDL the following data will be also provided (if available):

- Data file with individual records of people diseased at the ages 105-109 Data file with individual records of people alive at the ages 105-109

The following information is provided in the data files:

- date, country, and region of birth;
- date, country, and region of death; the place of current residence and proof of being alive for those alive;
- source of raw data, including information about the sampling frame;
- method of validation (sample or exhaustive);
- description of documents used for validation (birth certificate, census record, etc.)

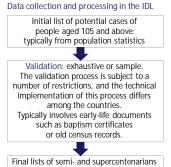
DATA EXAMPLES



Sampling scheme The IDL consists of individual records that have been sampled from the population. All countries except France provide data on persons who attained the threshold age during a period of years. In the case of France data are provided for cohorts of persons attaining the

The IDL was first launched online in 2010; the updated version of the database has been

The IDL offers data purely for the scientific purposes. Access to the anonymous data is



Strength of the IDL

- No age-ascertainment bias; . High level of data validation and
- documentation: Free access upon the registration.
- **IDL Limitations** Validated individual cases might still be selective with respect to place and year of birth:
- The number of supercentenarians is rather small;
- Some of the cohorts are not yet extinct, and thus the complete set of mortality probabilities is not directly observed
- Information about people alive at extreme ages are not available for most of the countries.

Contributors

Contributors The IDL project would not have been possible without the efforts and commitment of the contributors, who carry out the age verification of the oldest-old and provide the country-specific data: Elisabetta Barbi (Italy): Marko Battaglini (Italy): Robert Bourbeau (Canada): Giorgia Capacci (Italy): Graziella Caselli (Italy): Stéphane Cotter (Switzerland): Bertrand Desjardins (Canada): Viviana Egidi (Italy): Jutta Gampe (Germany): Rosa Gómez Redondo (Spain): Bernard Jeune (Denmark): Bert Kestenbaum (United States): Heiner Maier (Germany): John McCormack (Australia): France Mesle (France): Michel Poulain (Belgium): Jean-Marie Robine (France): Vasuhiko Saito (Japan): Rembrandt Scholz (Germany): Avel Skytthe (Denmark): Roger Thatcher (deceased in February 2010: United Kingdom): Jacques Vallin (France): Frans van Poppel (Netherlands): James Vaupel (Germany): John Wilmoth (United States): Robert Young (United States): Marco Marsili (Italy): Stephan Marik-Lebeck (Austria): Oliver Dormon (United Kingdom): Julie Mills (United Kingdom), and Johannes Hechler (United Kingdom).