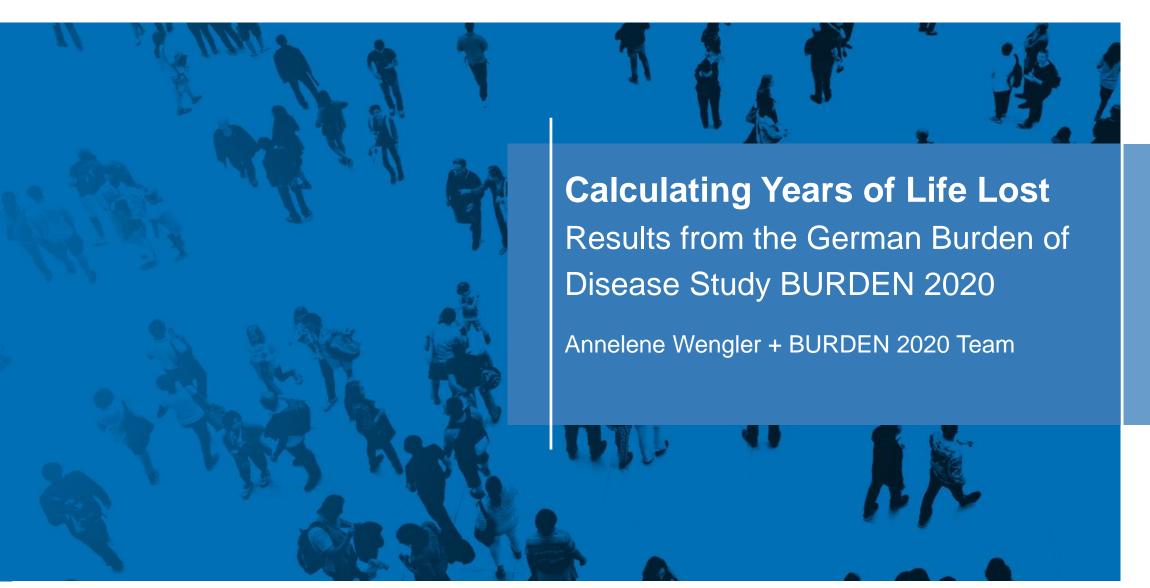


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Burden of disease indicators



May 5th, 2023

WCPH - Burden of Disease in Germany - YLL





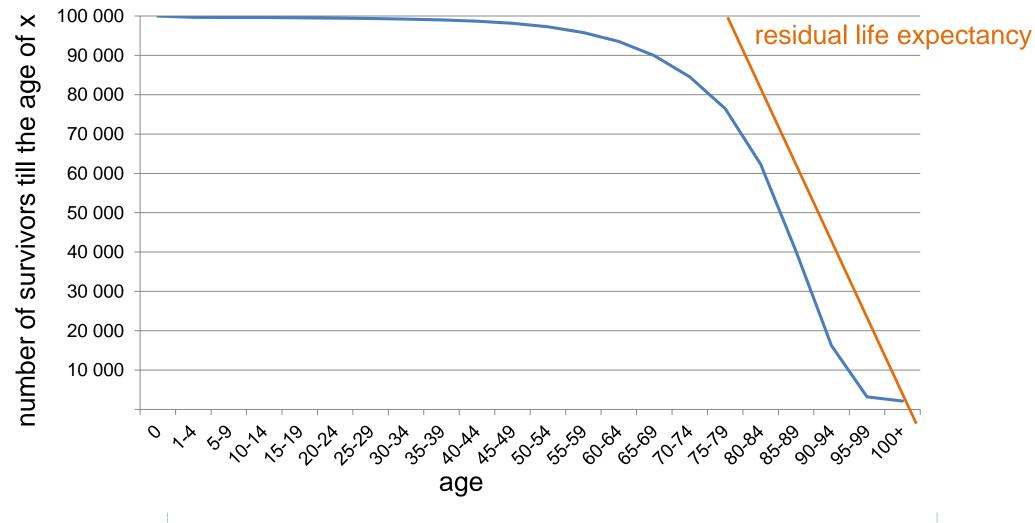
Data

- German causes of death statistics (Todesursachenstatistik), 2017
- "Monocausal" registration of underlying cause of death (ICD-10-Code)
- Deaths with non-informative ICD-codes (25.8%) are redistributed (results in UI: uncertainty intervals)
- ICD-Codes are assembled in cause groups





Calculation of YLL



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YLL represent the remaining average life expectancy of a person at the time of death.

They can be calculated by: - sex,

- age,
- region,
- for specific causes of death



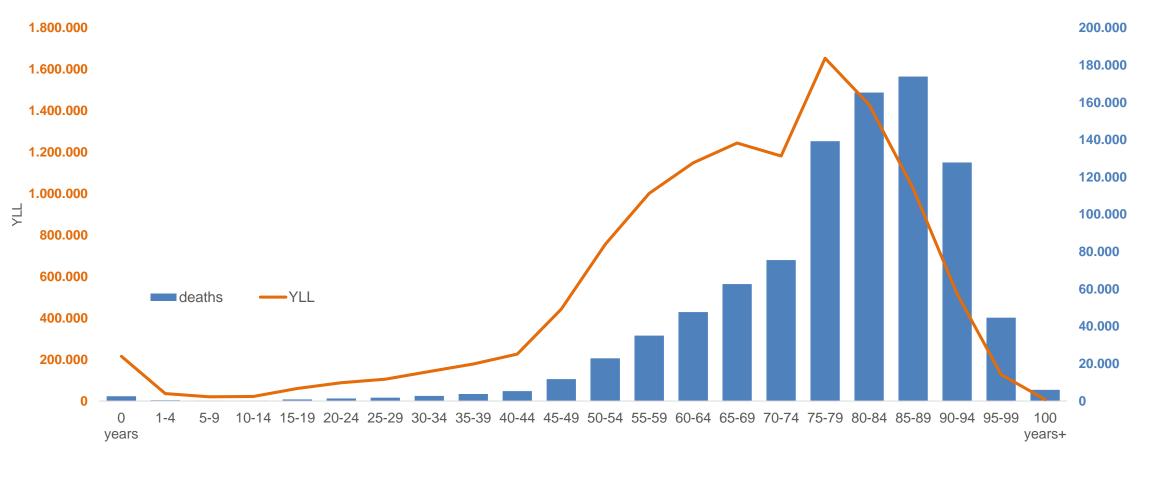
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Results





Deaths and YLL by age groups



age groups

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WCPH - Burden of Disease in Germany - YLL

Source: causes of death statistics Germany, 2017, own calculations

7

deaths

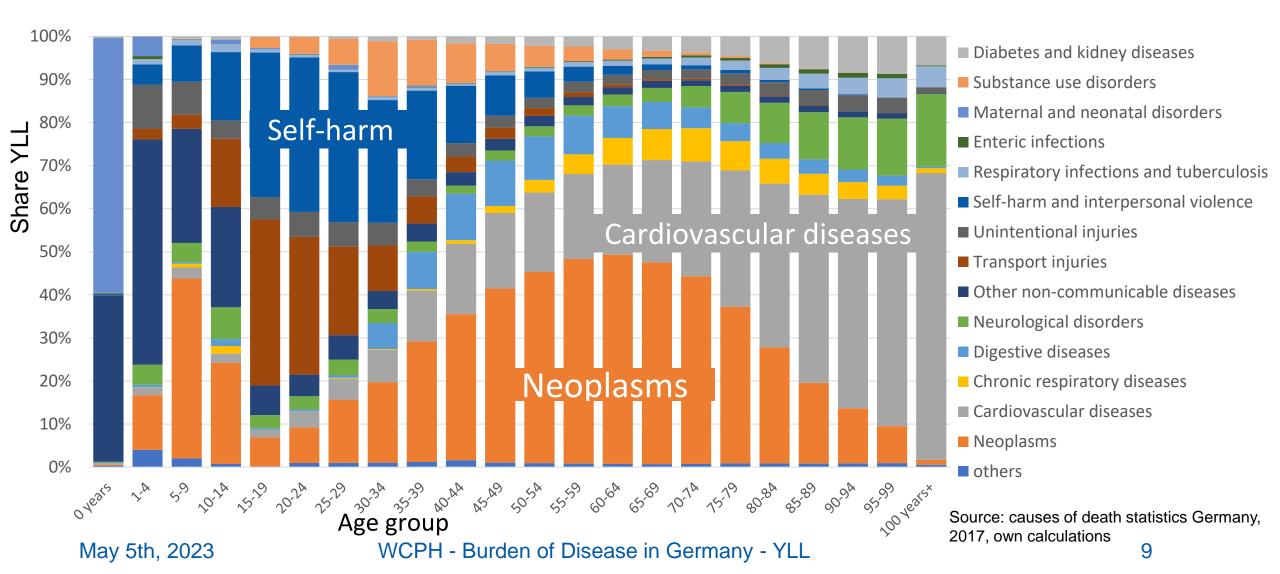
FIGURE 3

The top 20 causes of death in terms of years of life lost (YLL) and numbers of deaths (level 3)*

Rank	Cause of death	Deaths	UI	Rank	Cause of death	YLL	U
	lschemic heart disease	169 349	(168 885–169 898)	1	Ischemic heart disease	1 710 791	
2	Stroke	65 218	(64 938–65 525)	2	Lung cancer	945 651	
3	Dementia	56 100	(55 943–56 278)	3	Stroke	628 518	
4	Lung cancer	55 032	(54 710–55 302)	4	Chronic obstructive pulmonary disease	524 237	
5	Chronic obstructive pulmonary disease	43 538	(43 279–43 787)	5	Colon cancer	457 692	
6	Colon cancer	34 156	(33 856–34 421)	6	Chronic liver disease	418 522	
	Hypertensive heart disease	32 227	(31 904–32 567)	···. /·· 7	Dementia	392 045	
}	Chronic kidney disease	27 741	(27 538–28 017)	8	Breast cancer	362 538	
	Diabetes mellitus	25 720	(25 566–25 883)	9	Self-harm	350 986	
	Lower respiratory infections	24 611	(24 423–24 808)		Pancreatic cancer	326 491	
	Breast cancer	22 792	(22 576–22 993)	11	Diabetes mellitus	271 310	
	Atrial fibrillation and flutter	22 238	(22 136–22 355)	12	Lower respiratory infections	219 500	
	Pancreatic cancer	21 963	(21 760–22 133)	13	Hypertensive heart disease	217 412	
	Falls	21 502	(21 312–21 687)	14	Alcohol use disorders	209 627	
	Chronic liver disease	19 531	(19 345–19 690)	15	Chronic kidney disease	208 191	
	Prostate cancer	17 848	(17 671–18 007)		Falls	204 703	
	Non-rheumatic valvular heart disease	14 495	(14 341–14 645)		Prostate cancer	194 526	
	Stomach cancer	11 905	(11 761–12 042)	18	Stomach cancer	178 297	
)	Self-harm	11 770	(11 663–11 911)	19	Atrial fibrillation and flutter	162 839	
	Parkinson's disease	11 170	(11 141–11 201)	20	Brain and central nervous system cancer	161 293	
				The second second		_	
,	Alcohol use disorders	7587	(7491–7687)	25	Non-rheumatic valvular heart disease	118 797	
3	Brain and central nervous system cancer	7169	(7070–7270)	33	Parkinson's disease	101 293	

*See e WCPH - Burden of Disease in Germany - YLL Source: BURDEN 2020 project, cause of death statistics 2017 (our own calculations); UI, uncertainty interval

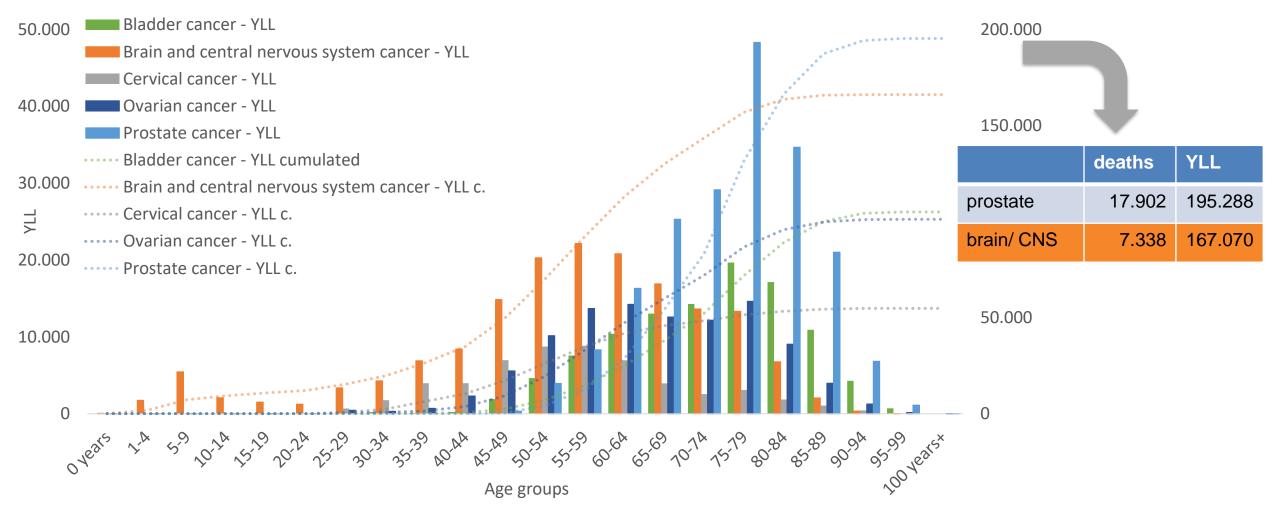
BURDEN 2020 Causes of deaths (by YLL-share and age group)







YLL for specific cancers by age groups



May 5th, 2023





Limitations

- Coding of causes of death influences results
 & share of non-informative ICD-codes varies across region
- Redistribution of non-informative codes influences results
- Looking at one year (so far) prone to outliers especially in younger age-groups and for rare causes of death



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- **RKI** Alexander Rommel, Elena von der Lippe, Annelene Wengler, Michael Porst, Janko Leddin, Aline Anton, Caoimhe Cawley & Thomas Ziese
- UBA Dietrich Plaß & Heike Gruhl
- WIdO Katrin Schüssel, Gabriela Brückner, Jan Breitkreuz & Helmut Schröder

May 5th, 2023

WCPH - Burden of Disease in Germany - YLL

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