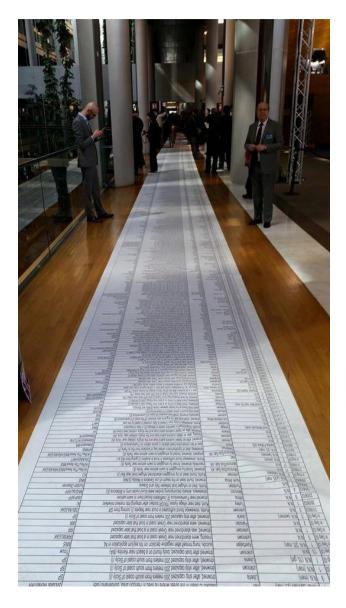
# 1 Million Refugees – A Cure for German Demographics?

AGBC Exchange
New European College

May 20, 2017

### Names of 17,306 Drowning Victims in Mediterranean Sea (May 2015)





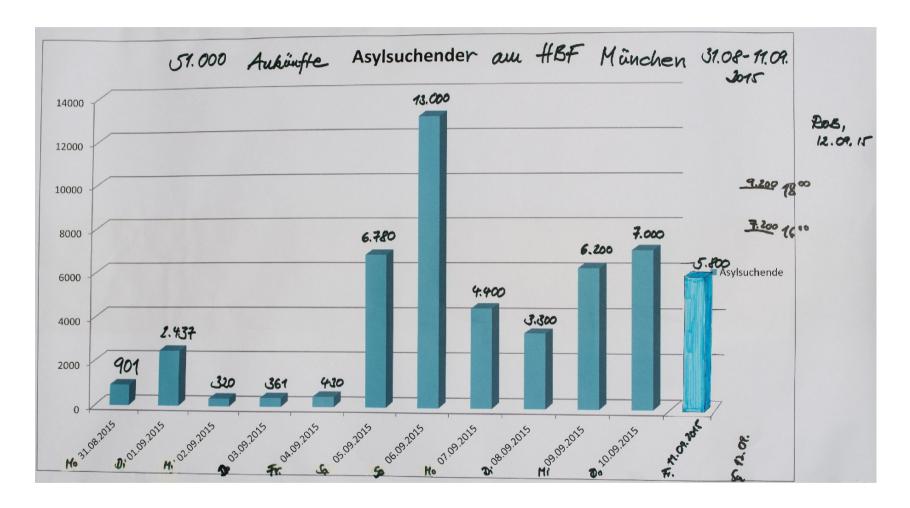
Negar @NegarMortazavi انگار ۱h

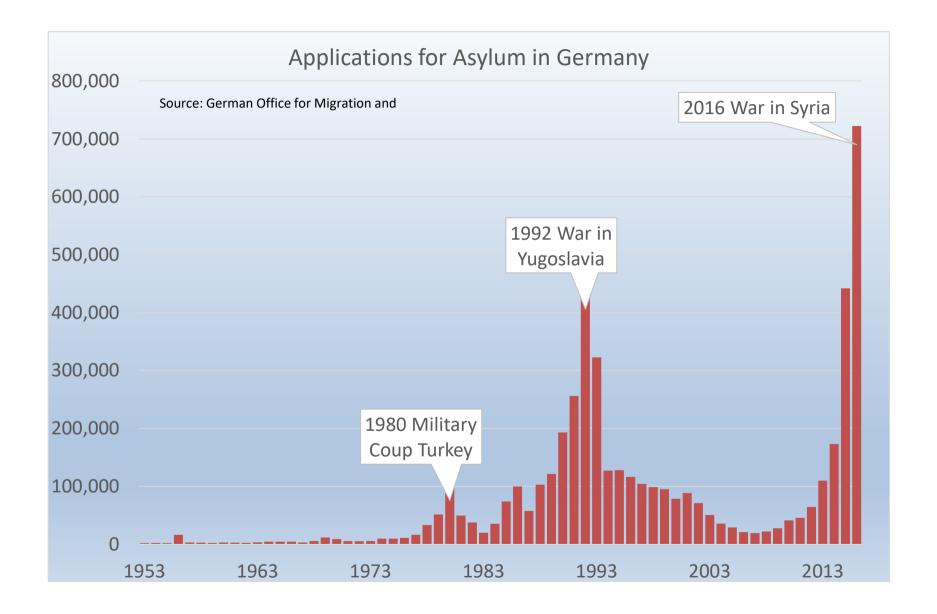
Over 10,000 people were rescued from the western Mediterranean sea only in the past 36 hours.

#MigrantCrisis 😌

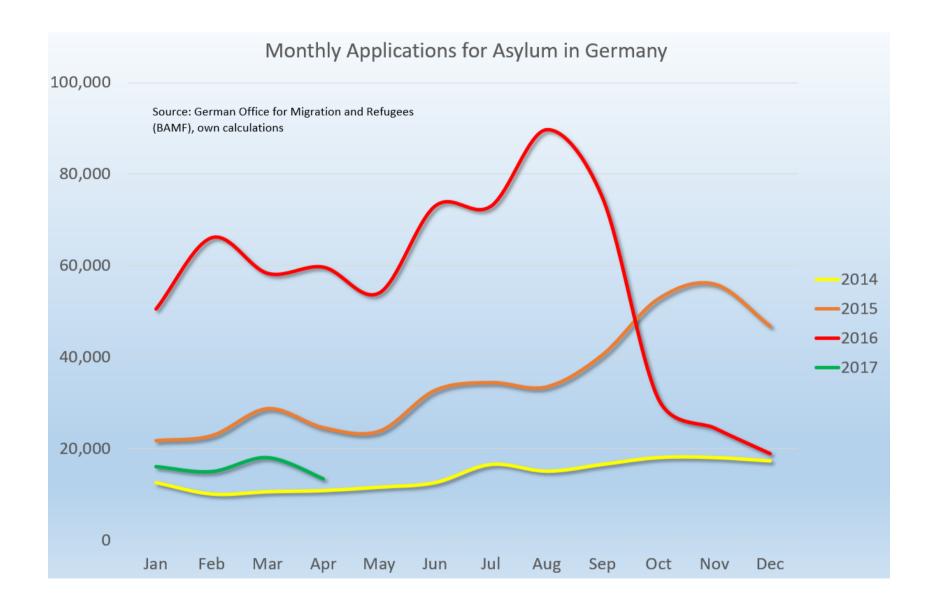
(August 2016)

#### **Arrivals of Refugees at Munich Central Station (September 2015)**

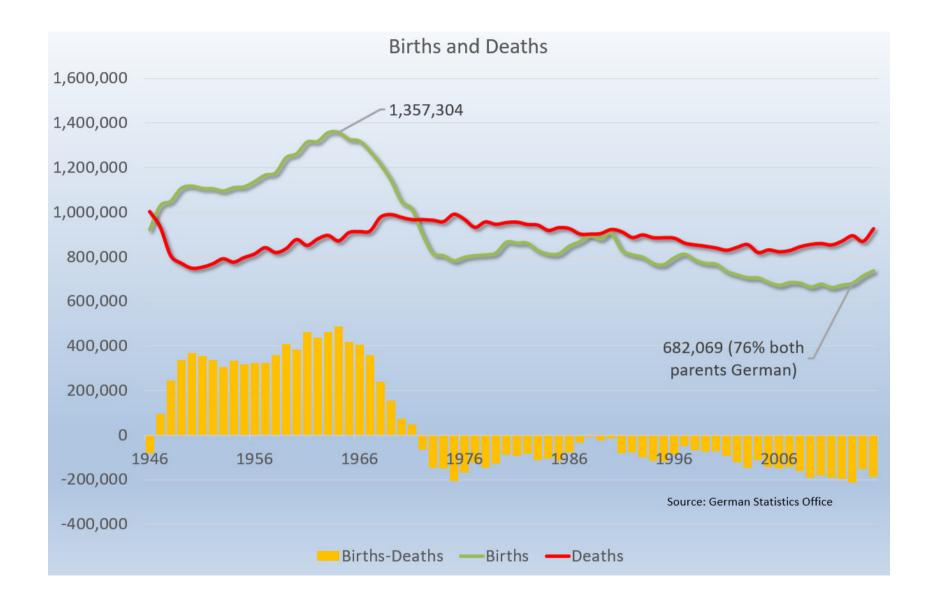


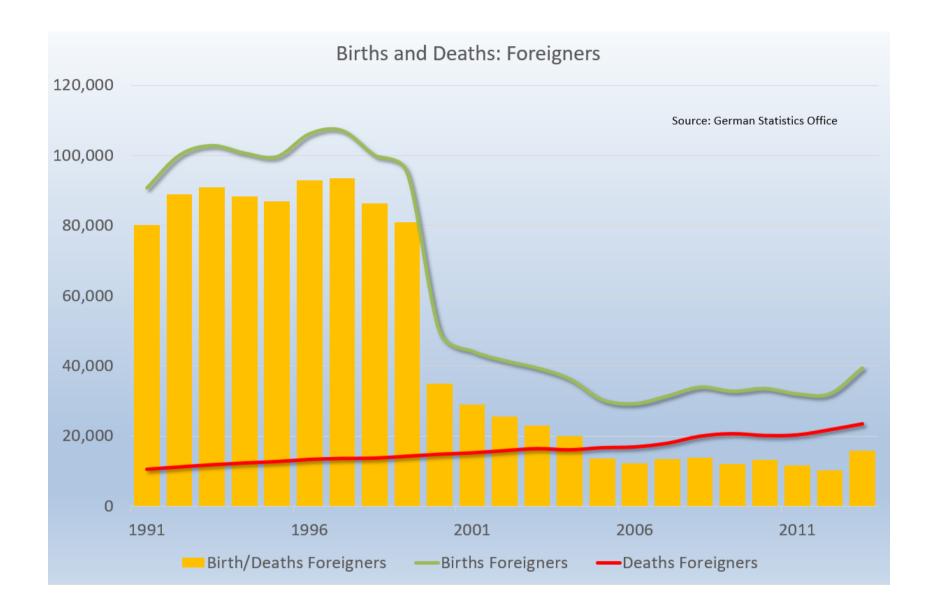


### Lighthouse Investment Management



### Lighthouse Investment Management

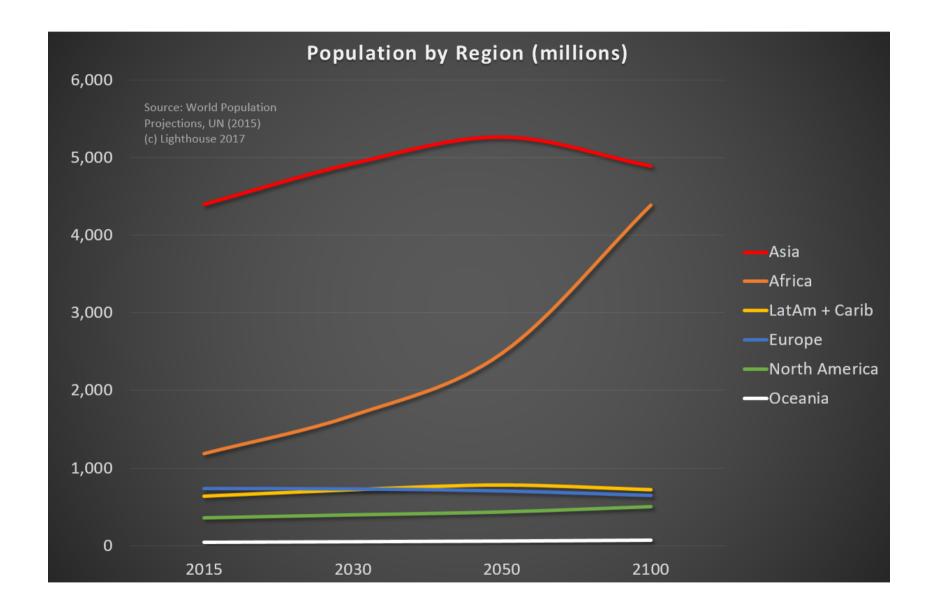


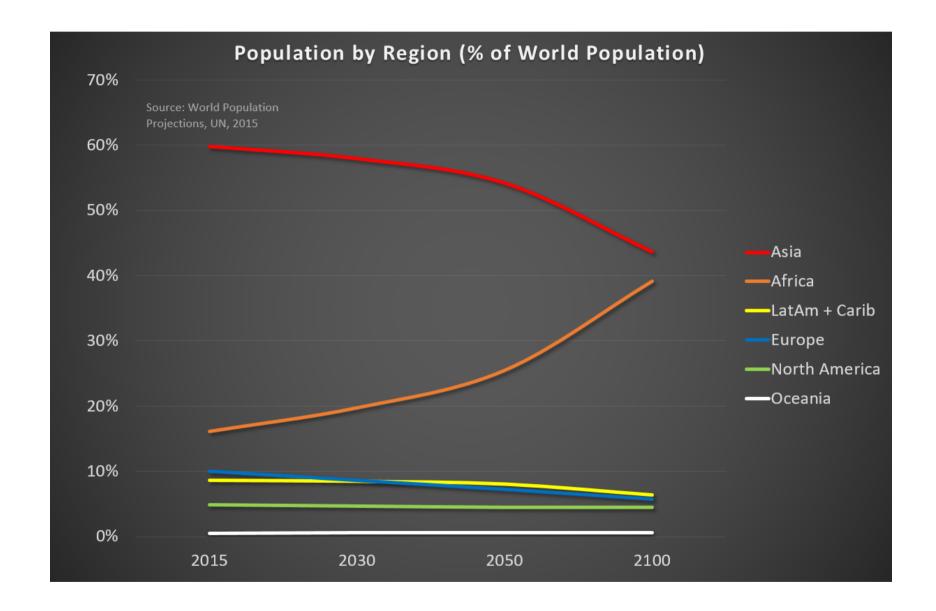


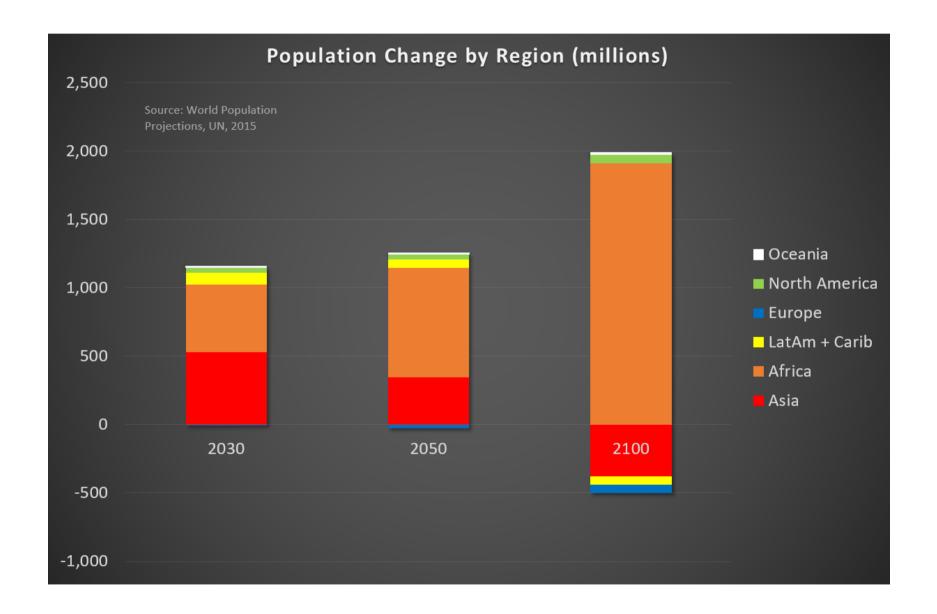
### Applications for Asylum by Country of Origin and Acceptance Ratio

Country (Top 10)	Applications 2016	Applications 2015	Acceptance Ratio 2016	Acceptance Ratio 2015
Syria	269.000	163.000	98%	96%
Afghanistan	128.000	32.000	56%	48%
	97.000	31.000	70%	89%
Iraq Iran	27.000	n/a	51%	n/a
Eritrea	19.000	11.000	92%	92%
Albania	17.000	55.000	0.4%	0.2%
Unknown	15.000	12.000	84%	80%
Pakistan	15.000	8.000	3%	10%
Nigeria	13.000	n/a	10%	n/a
Russia	12.000	n/a	5%	n/a
All Countries	745.000	477.000	62%	50%

Source: German Office for Migration and Refugees







10 most populated			
cour	ntries in year 1	950	
1	China	544	
2	India	376	
3	USA	158	
4	4 Russia 103		
5	5 Japan 82		
6	Germany	70	
7	7 Indonesia 70		
8	8 Brazil 54		
9	UK	51	
10	Italy	47	

10 most populated			
ntries in year 2	2100		
India	1,660		
China	1,004		
Nigeria	752		
USA	450		
Congo	389		
Pakistan	364		
Indonesia	314		
Tanzania	299		
Ethiopia	243		
Niger	209		
Germany	63		
	ntries in year 2 India China Nigeria USA Congo Pakistan Indonesia Tanzania Ethiopia Niger		

Oldest Populations 2015			
(me	dian age in yea	rs)	
1	Japan	46.5	
2	Germany	46.2	
3	Martinique	46.1	
4	Italy	45.9	
5	Portugal	44.0	
6	Greece	43.6	
7	Bulgaria	43.5	
8	Austria	43.2	
9	China	43.2	
10	Spain	43.2	

Olde	Oldest Populations 2050			
(m	edian age in yea	ars)		
1	Korea	53.9		
2	Japan	53.3		
3	Bosnia & Hz	53.2		
4	Singapore	53.0		
5	Hong Kong	52.7		
6	Portugal	52.5		
7	Greece	52.3		
8	8 Cuba 51.9			
9	Poland	51.8		
10	Germany	51.4		

Youngest Populations 2015			
(me	dian age in yea	ars)	
1	Niger	14.8	
2	Uganda	15.9	
3	Chad	16.0	
4	Angola	16.1	
5	Mali	16.2	
6	Somalia	16.5	
7	Gambia	16.8	
8	Zambia	16.9	
9	Congo	16.9	
10	Burkina F.	17.0	

Young	Youngest Populations 2050			
(m	edian age in ye	ears)		
1	Niger	17.8		
2	Somalia	20.8		
3	Angola	21.0		
4	Zambia	21.4		
5	Mali	21.4		
6	Chad	21.7		
7	Burundi	21.8		
8	Uganda	21.9		
9	Gambia	22.1		
10	Tanzania	22.2		

(million)	1950	2015	2100
Angola	4	25	139
Burkina Faso	4	18	81
Egypt	21	92	201
Ethiopia	18	99	243
Ghana	5	27	73
Ivory Coast	3	23	101
Kenya	6	46	157
Madagascar	4	24	50
Mali	5	18	93
Mozambique	6	28	128
Niger	3	20	209
Nigeria	38	182	752
Pakistan	38	189	364
Senegal	2	15	75
Sudan	6	40	127
Tanzania	8	53	299
Uganda	6	39	203
Zambia	2	16	105
Germany	70	81	63

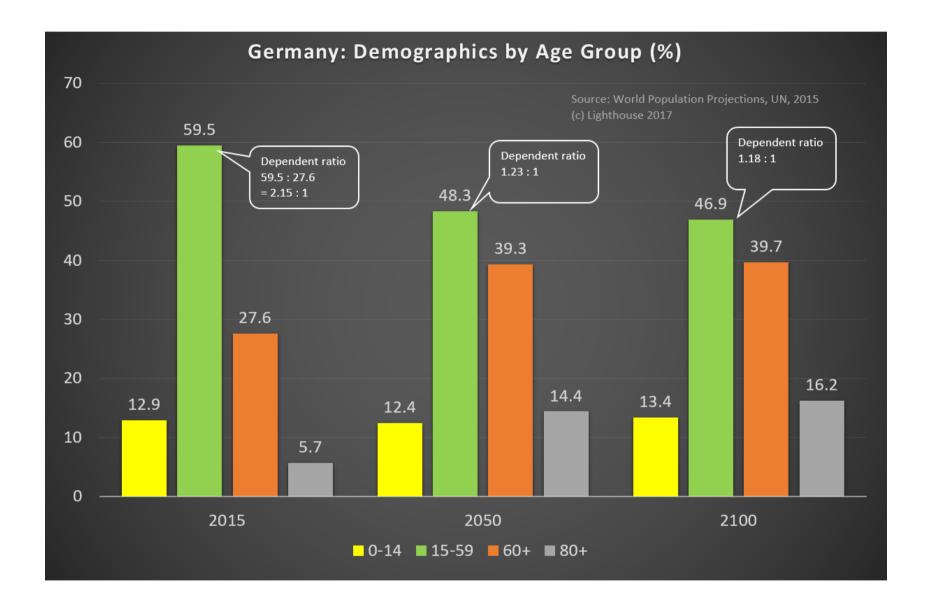
Countries > 20m with projected population decrease 2015-2050

	(million)	2015	2050	
1	Ukraine	44.8	35.1	-22%
2	Japan	126.6	107.4	-15%
3	Poland	38.6	33.1	-14%
4	Russia	143.5	128.6	-10%
5	Thailand	68.0	62.5	-8%
6	Germany	80.7	74.5	-8%
7	Italy	59.6	56.5	-5%
8	Spain	46.1	44.8	-3%

Source: World Population Prospects, UN, 2015

Age Structure Germany (%)

Age/Year	2015	2050	2100
0-14	12.9	12.4	13.4
15-59	59.5	48.3	46.9
60+	27.6	39.3	39.7
80+	5.7	14.4	16.2



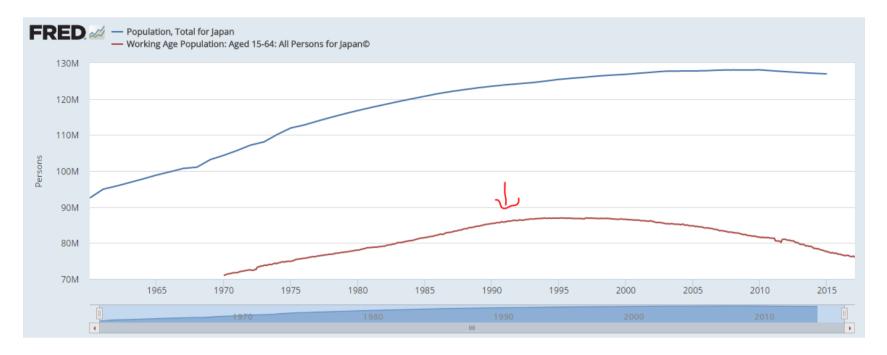
### Einnahmen aus Beiträgen und Bundeszuschüssen sowie Ausgaben für Renten und KVdR der allgemeinen Rentenversicherung

In Millionen Euro (in Klammern: Veränderung gegenüber dem Vorjahr in Prozent)

	2015	2014	2013
Beitragseinnahmen <sup>1), 2)</sup>	206 636 (+2,8)	200 938 (+3,8)	193 576
Allgemeiner Bundeszuschuss	40 222 (+1,0)	39 813 (+2,4)	38 863
Zusätzlicher Bundeszuschuss	22 203	21 552	20 990
Rentenausgaben	236 099 (+4,6)	225 752 (+3,0)	219 084
KVdR-Aufwendungen	16 698 (+4,5)	15 975 (+2,9)	15 522

<sup>11</sup> Im jeweiligen Kalenderjahr vereinnahmte Beträge.

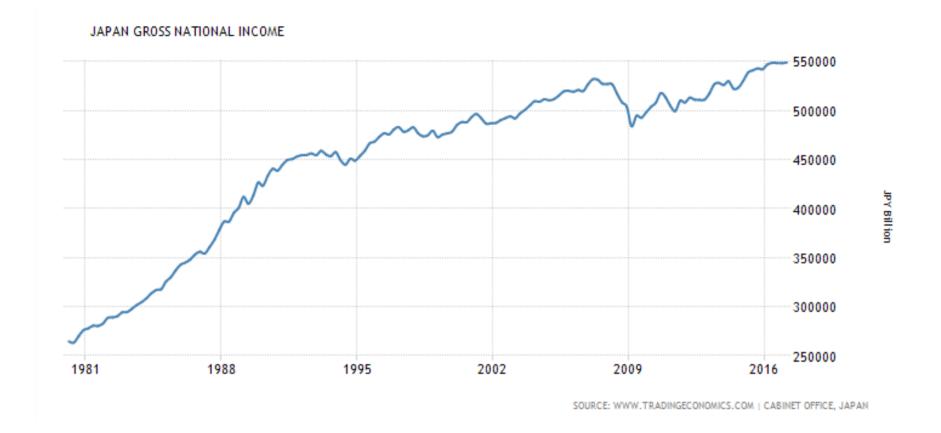
<sup>&</sup>lt;sup>2)</sup> Beitragssatz zur allgemeinen Rentenversicherung ab 1. Januar 2013 = 18,9 Prozent, ab 1. Januar 2014 = 18,9 Prozent, ab 1. Januar 2015 = 18,7 Prozent.



Japanese working age population peaked at 87 million in 1993 (now: 76 million)

Japanese population peaked at 128 million in 2008 (now: 127 million)

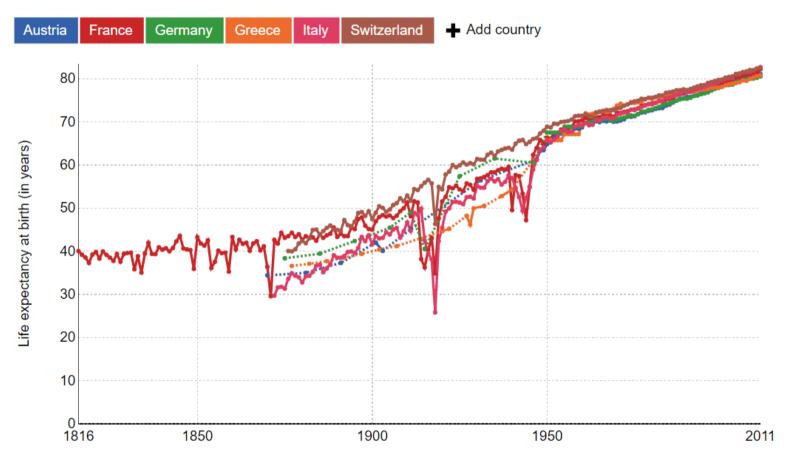
### Lighthouse Investment Management



### Life expectancy, 1816 to 2011



Life expectancy at birth is the average number of years a child born would live if current mortality patterns were to stay the same.



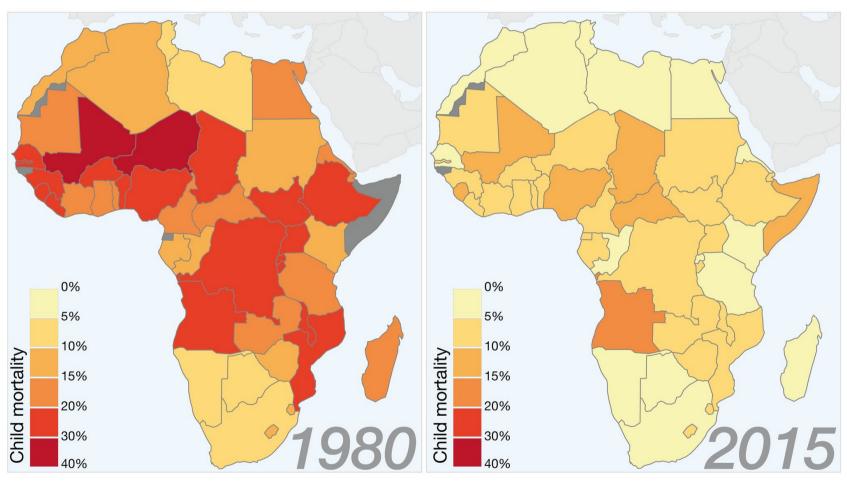
**Data source:** Clio Infra (life expectancy, both genders)

OurWorldInData.org/life-expectancy/ • CC BY-SA

## Child Mortality in 1980 and 2015 Child mortality is the probability that a newborn will die before reaching the age of 5.







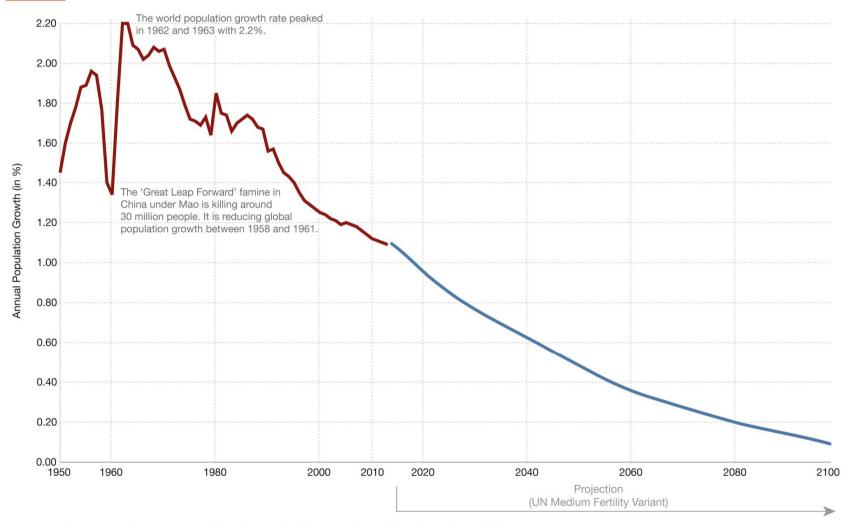
Data source: UN Child Mortality Estimates

This data visualization is part of AfricalnData.org – an Our World in Data project.

Licensed under CC-BY-SA by the author Max Roser.

#### Our World in Data

### Annual world population growth rate (1950-2100)



Data sources: Observations: US Census Bureau & Projections: United Nations Population Division (Medium Variant (2015 revision). The interactive data visualization is available at OurWorldinData.org. There you find the raw data and more visualizations on this topic.

Licensed under CC-BY-SA by the author Max Roser.



Any questions or feedback welcome.

Alex dot Gloy at LighthouseInvestmentManagement dot com