Cancer in World 2017

Central Nervous System, Brain, Eye

Head & Neck
Including: mouth, throat, tongue, nasal

Lung

Endocrine

Hepatobilary
Including: pancreas, liver, biliary

Breast

Gastrointestinal
Including: colon, rectal, anal, stomach, intestinal, esophageal

Blood
Including: leukemia, lymphoma, Hodgkin's and non-Hodgkin, lyumphoma, multiple myeloma

Sarcoma
Including: soft tissue, osteosarcoma

Genitourinary
Including: bladder, kidney, prostate, testicular

Skin Cancer, Melanoma

Gynecologic
Including: uterine, cervical, ovarian, vaginal, vulvar

9,556,245	1.36%
Death #	Prevalence %

The most fatality in **Gastrointestinal**
The most prevalence in **Breast**

Main Dashboard >>

Central Nervous System, Brain, Eye

Head & Neck
Including: mouth, throat, tongue, nasal

Lung

Endocrine

Hepatobilary
Including: pancreas, liver, biliary

Breast

Gastrointestinal
Including: colon, rectal, anal, stomach, intestinal, esophageal

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Including: leukemia, lymphoma, Hodgkin's and non-Hodgkin, lyumphoma, multiple myeloma

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Skin Cancer, Melanoma

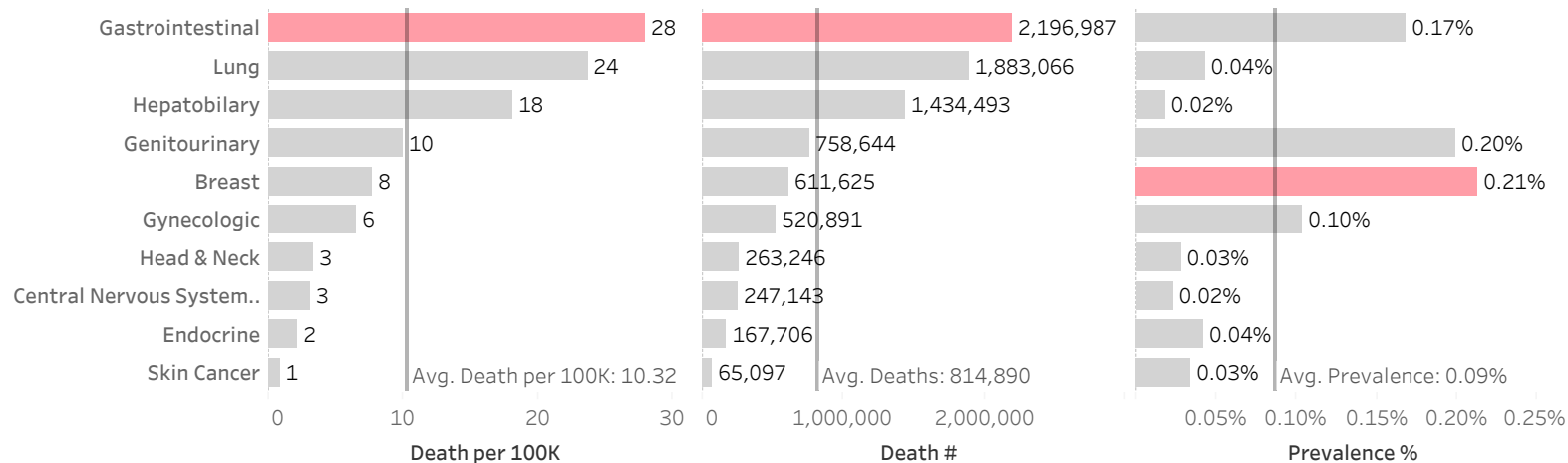Gynecologic
Including: uterine, cervical, ovarian, vaginal, vulvar

Worldwide
The most fatality in **Gastrointestinal**
The most prevalence in **Breast**

Select a country
World

Select a year:
2017

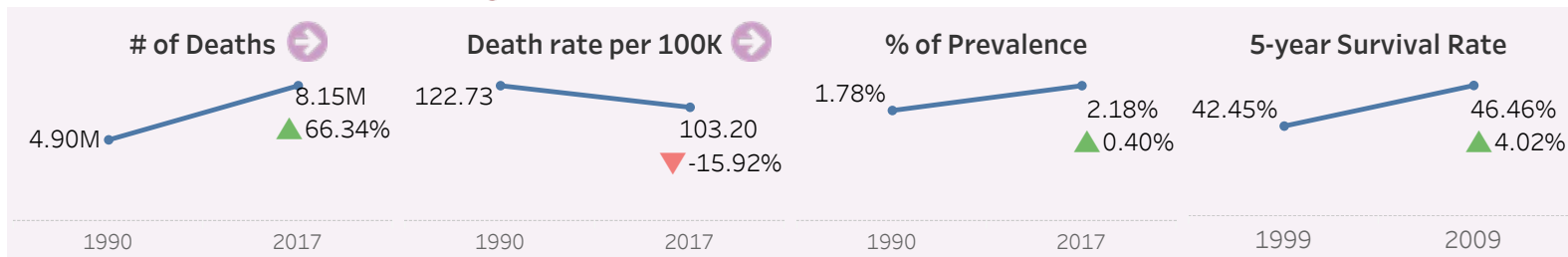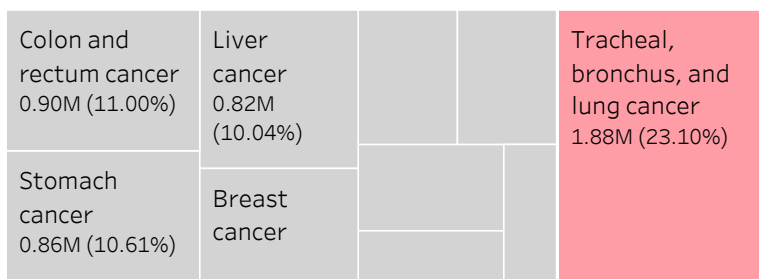|	Death per 100K	Death #	Prevalence %
Gastrointestinal	28	2,196,987	0.17%
Lung	24	1,883,066	0.04%
Hepatobilary	18	1,434,493	0.02%
Genitourinary	10	758,644	0.20%
Breast	8	611,625	0.21%
Gynecologic	6	520,891	0.10%
Head & Neck	3	263,246	0.03%
Central Nervous System..	3	247,143	0.02%
Endocrine	2	167,706	0.04%
Skin Cancer	1	65,097	0.03%

Avg. Death per 100K: 10.32   Avg. Deaths: 814,890   Avg. Prevalence: 0.09%

Death per 100K   Death #   Prevalence %

Data Source: Our World in Data - Cancer (https://ourworldindata.org/cancer)   Image Source: https://www.cusabio.com/cancer.html

Cancer 1990-2017

of Deaths →
4.90M
8.15M
▲ 66.34%
1990   2017

Death rate per 100K →
122.73
103.20
▼ -15.92%
1990   2017

% of Prevalence
1.78%
2.18%
▲ 0.40%
1990   2017

5-year Survival Rate
42.45%
46.46%
▲ 4.02%
1999   2009

of Deaths by cancer type in 2017
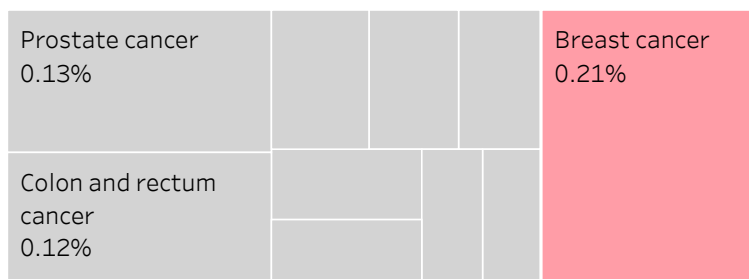
Colon and rectum cancer 0.90M (11.00%)	Liver cancer 0.82M (10.04%)	Tracheal, bronchus, and lung cancer 1.88M (23.10%)
Stomach cancer 0.86M (10.61%)	Breast cancer	

% of Prevalence by cancer type in 2017

Prostate cancer 0.13%		Breast cancer 0.21%
Colon and rectum cancer 0.12%		

5-year Survival Rate by cancer type →

Cancer type	Rate
Breast	78.43%
Prostate	79.54%
Cervix	61.88%
Colon	55.89%
Rectum	53.93%
Leukaemia	41.25%
Ovary	39.55%
Stomach	25.98%
Lung	14.40%
Liver	12.97%

■ 1999   ■ 2009

0.00%   10.00%   20.00%   30.00%   40.00%   50.00%   60.00%   70.00%   80.00%
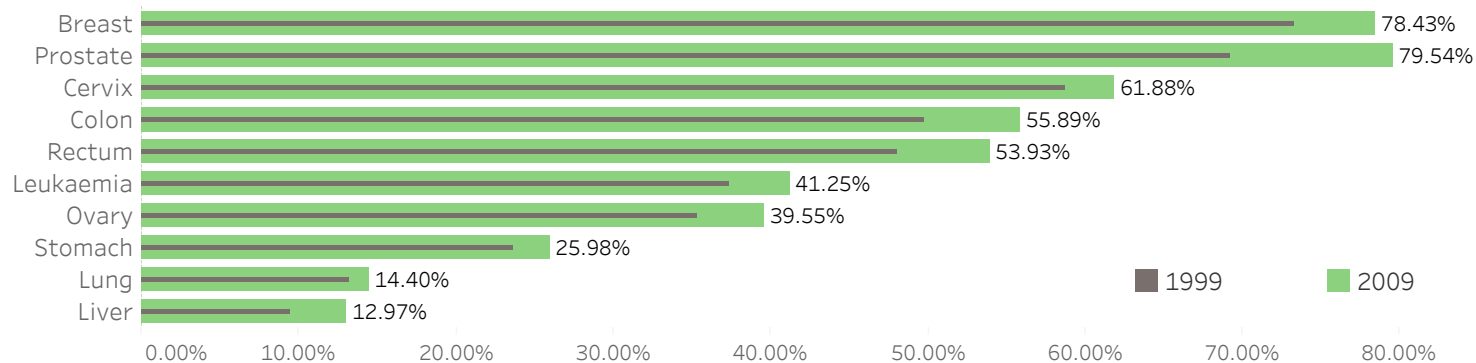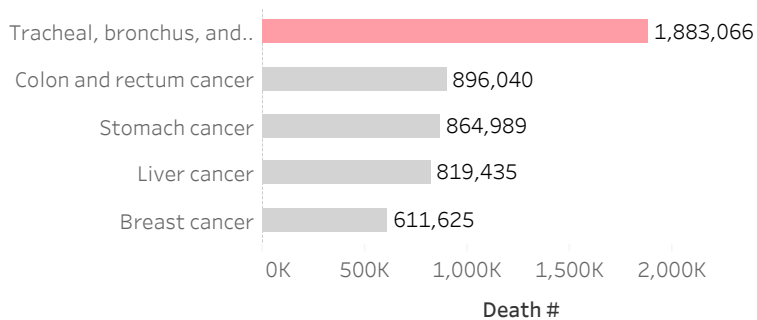
Changes in World Deaths from Cancer (1990-2017)

Globally cancer deaths are increasing rapidly as the world population is growing and aging, but the death rate per 100K people is gradually decreasing.
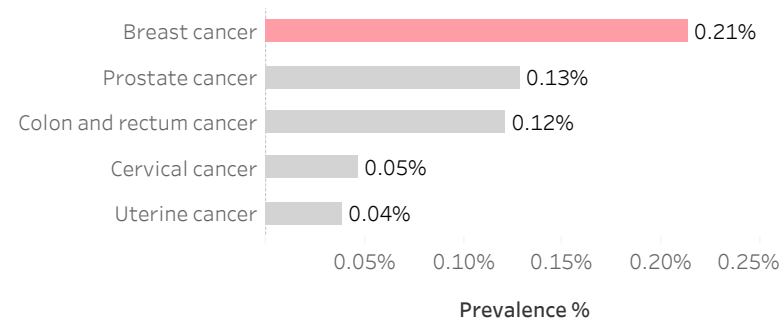

- # of Deaths
- # of Deaths per 100K
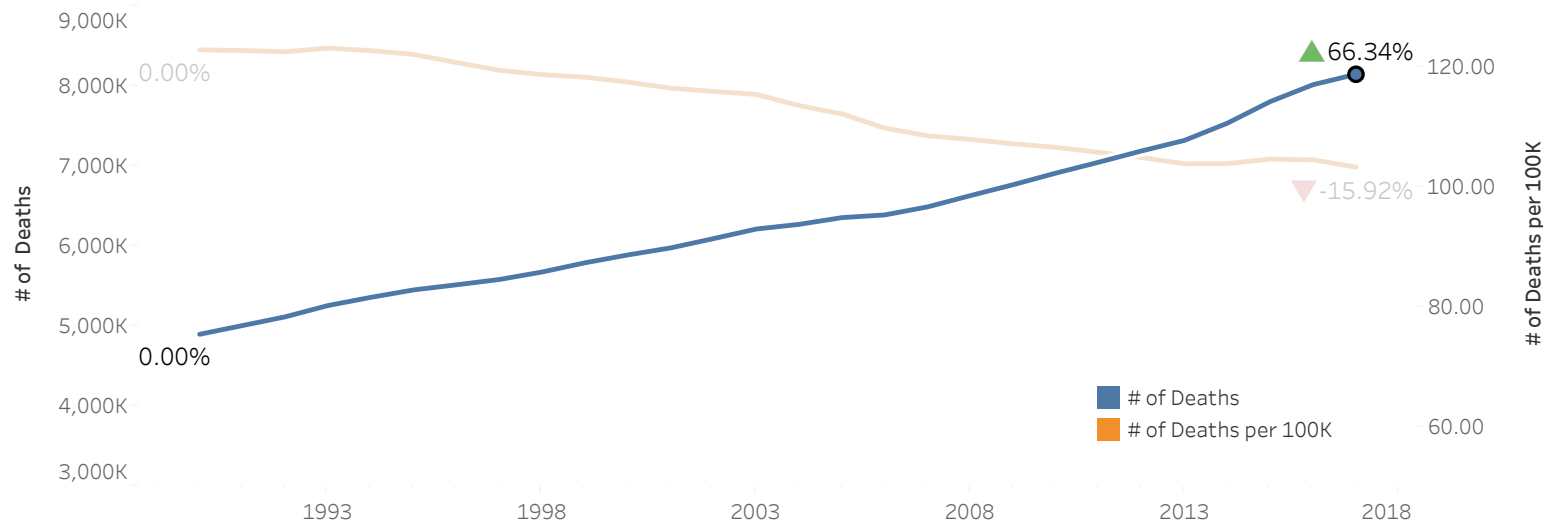
of Death by Cancer type in 2017

Lung cancer has caused the most deaths over time.

Cancer type	Death #
Tracheal, bronchus, and..	1,883,066
Colon and rectum cancer	896,040
Stomach cancer	864,989
Liver cancer	819,435
Breast cancer	611,625

% of Prevalence by cancer type in 2017

Breast cancer is the most prevalent over time.

Cancer type	Prevalence %
Breast cancer	0.21%
Prostate cancer	0.13%
Colon and rectum cancer	0.12%
Cervical cancer	0.05%
Uterine cancer	0.04%

Data Source: Our World in Data - Cancer (https://ourworldindata.org/cancer)
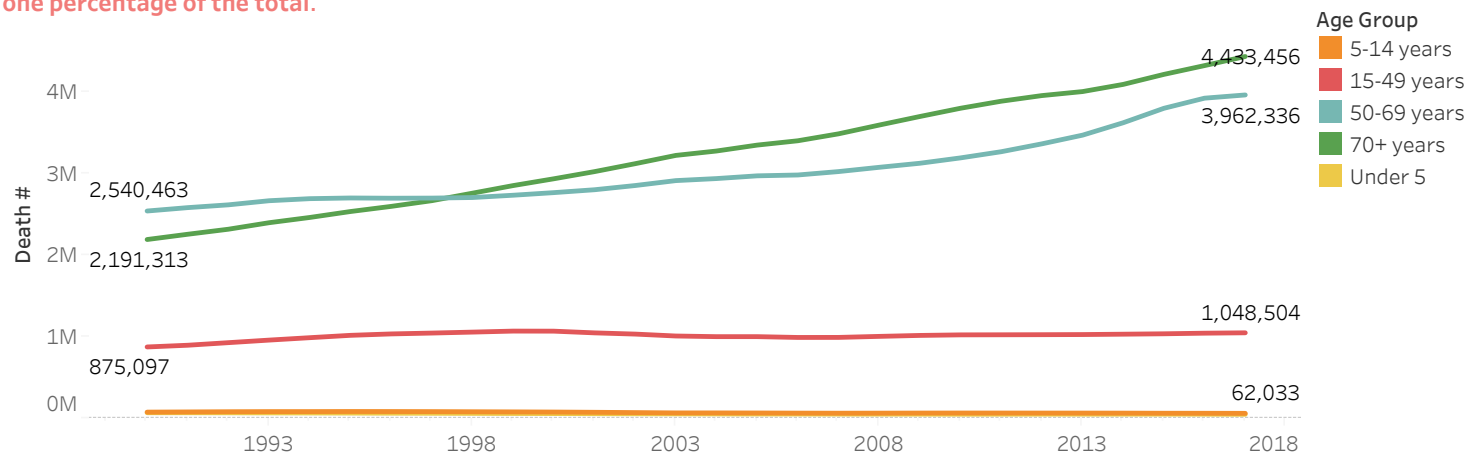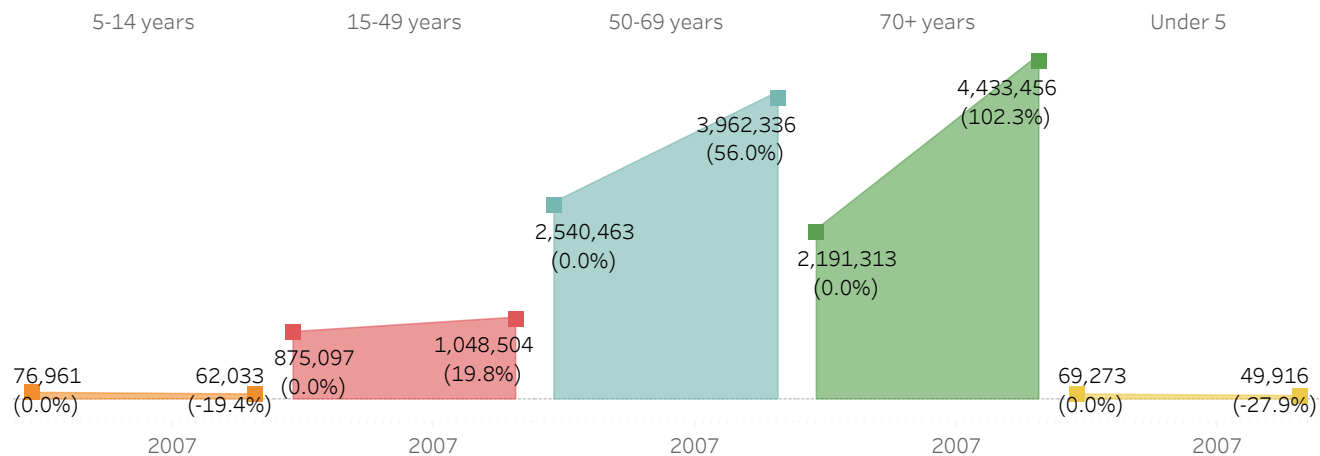
Number of Deaths by Age Group in World

The **highest portion** of all people who die from cancer are **70 or older** and the deaths **under 15 years old** are about **one percentage of the total**.

Select a country:
World

Age Group
- 5-14 years
- 15-49 years
- 50-69 years
- 70+ years
- Under 5

4M

4,433,456

3,962,336

3M

2,540,463

2M
2,191,313

Death #

1M
875,097

1,048,504

62,033

0M

1993   1998   2003   2008   2013   2018

Changes in the number of deaths by age group in World

5-14 years	15-49 years	50-69 years	70+ years	Under 5

76,961
(0.0%)

62,033
(-19.4%)

875,097
(0.0%)

1,048,504
(19.8%)

2,540,463
(0.0%)

3,962,336
(56.0%)

2,191,313
(0.0%)

4,433,456
(102.3%)

69,273
(0.0%)

49,916
(-27.9%)

2007   2007   2007   2007   2007

Data Source: Our World in Data - Cancer (https://ourworldindata.org/cancer)

SUMMARY for Age group: **70+ years** in **World 2017**

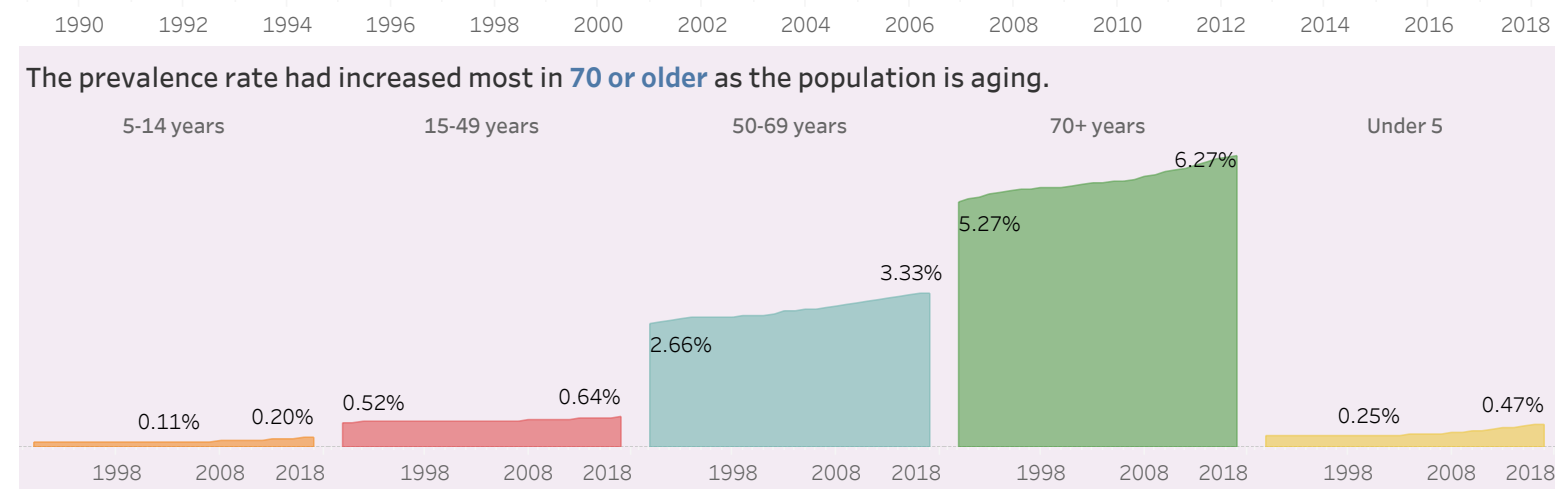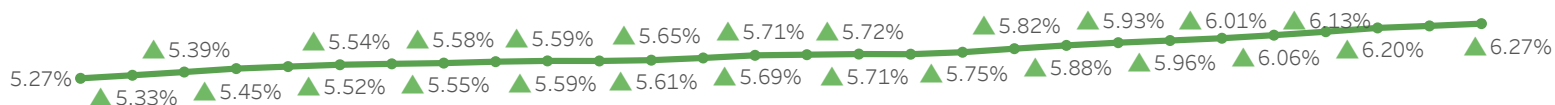| **4,433,456**	**1,024**	**6.27%**
Death #	Death per 100K	Prevalence %

Select a age group:
70+ years

Select a year:
2017

Select a country:
World

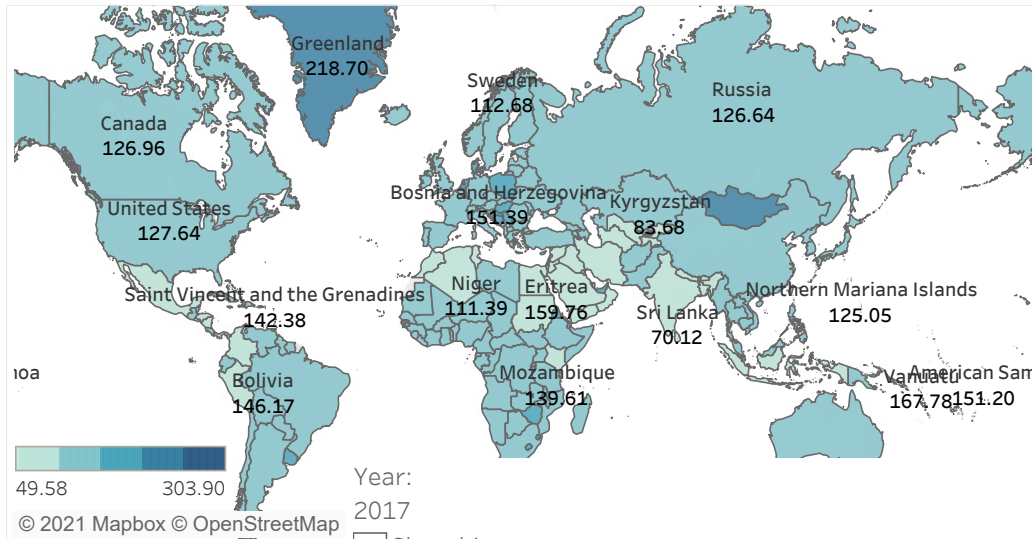## % of Prevalence changes for Age: **70+ years** in **World**

5.27% ▲5.33% ▲5.39% ▲5.45% ▲5.52% ▲5.54% ▲5.55% ▲5.58% ▲5.59% ▲5.59% ▲5.61% ▲5.65% ▲5.69% ▲5.71% ▲5.71% ▲5.72% ▲5.75% ▲5.82% ▲5.88% ▲5.93% ▲5.96% ▲6.01% ▲6.06% ▲6.13% ▲6.20% ▲6.27%

1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018

The prevalence rate had increased most in **70 or older** as the population is aging.

5-14 years	15-49 years	50-69 years	70+ years	Under 5
0.11% — 0.20%	0.52% — 0.64%	2.66% — 3.33%	5.27% — 6.27%	0.25% — 0.47%
1998 2008 2018	1998 2008 2018	1998 2008 2018	1998 2008 2018	1998 2008 2018

Data Source: Our World in Data - Cancer (https://ourworldindata.org/cancer)

The death rate per 100K has dropped in every country.

Greenland
218.70

Sweden
112.68

Russia
126.64

Canada
126.96

United States
127.64

Bosnia and Herzegovina
151.39

Kyrgyzstan
83.68

Saint Vincent and the Grenadines
142.38

Niger
111.39

Eritrea
159.76

Sri Lanka
70.12

Northern Mariana Islands
125.05

лоа

Bolivia
146.17

Mozambique
139.61

American Sam
167.78 151.20

Vanuatu

49.58   303.90

Year: 2017

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Show history

Canada in 2017

of Deaths per 100,000

Rank of D..	Type	# of Deaths per 100K
1	Tracheal, bronchus, and lu..	31.41
2	Colon and rectum cancer	14.49
3	Breast cancer	9.17
4	Pancreatic cancer	8.01
5	Prostate cancer	7.20
6	Stomach cancer	6.28
7	Liver cancer	3.75
8	Esophageal cancer	3.53
9	Bladder cancer	3.49
10	Cervical cancer	1.52

The world death rate per 100K has dropped from 142.5 to 121.2, ▼ -14.94%.

160

140

120

100

80

60

# of Death per 100K

0.00%   ▲ 0.33%

▼ -0.04% ▲ 0.02%

▼ -3.38%

▼ -4.90%

▼ -4.05%

▼ -8.33%

▼ -7.30%

▼ -12.29%

▼ -11.37%

▼ -14.38%

▼ -14.35% ▼ -14.94%

1993   1998   2003   2008   2013   2018
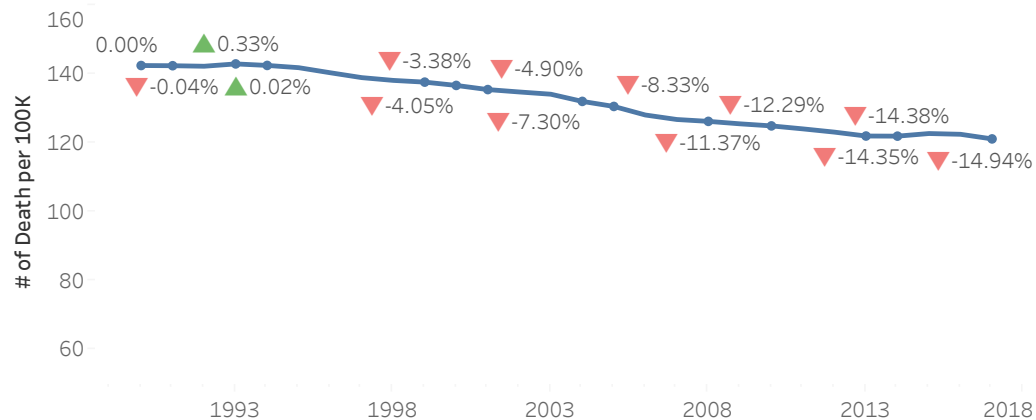
of Deaths

Rank..	Type	# of Deaths
1	Tracheal, bronchus, and lu..	21,440
2	Colon and rectum cancer	10,145
3	Breast cancer	6,022
4	Pancreatic cancer	5,542
5	Prostate cancer	5,340
6	Stomach cancer	4,401
7	Liver cancer	2,519
8	Esophageal cancer	2,388
9	Brain and nervous system ..	2,107
10	Cervical cancer	957

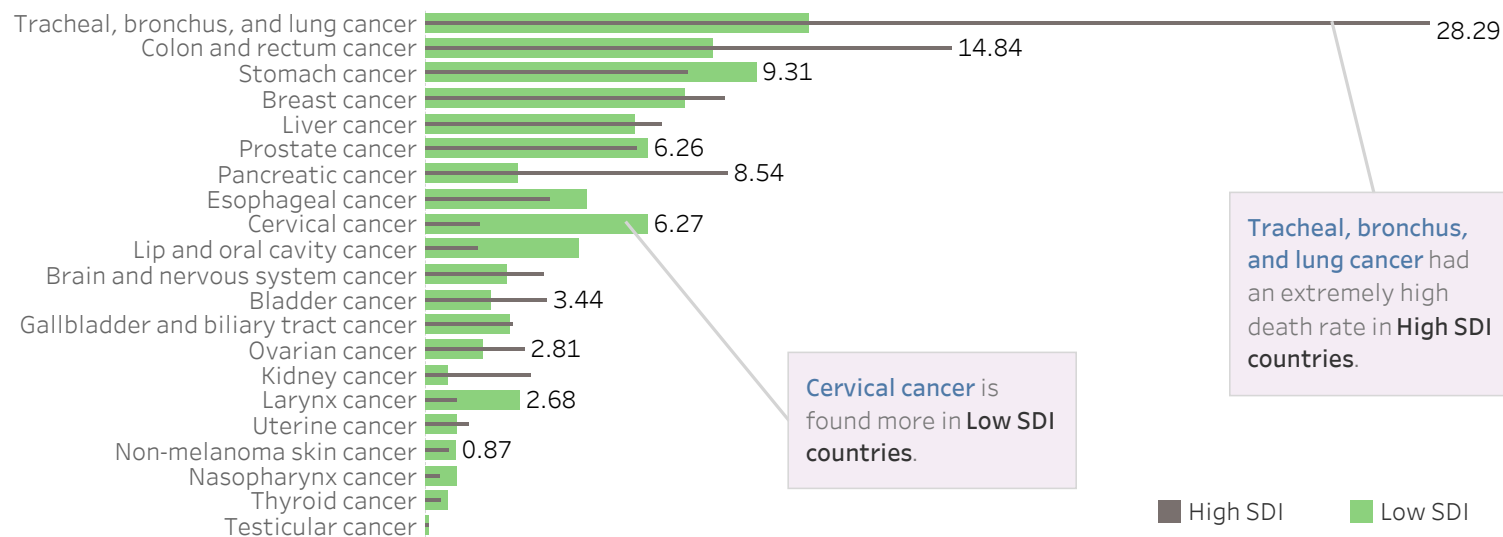Data Source: Our World in Data - Cancer (https://ourworldindata.org/cancer)
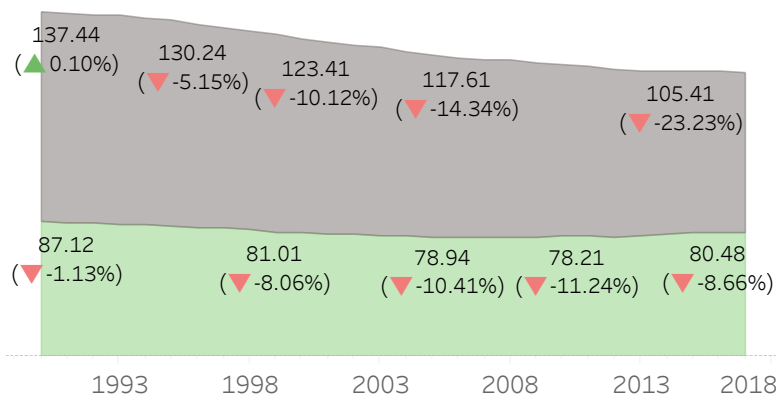
Death Rate by Socio-demographic Index (SDI) in 2017

SDI Map >>

The charts shows that there is a higher death rate and prevalence of cancer in High SDI countries.

Cancer type	Value
Tracheal, bronchus, and lung cancer	28.29
Colon and rectum cancer	14.84
Stomach cancer	9.31
Breast cancer	
Liver cancer	
Prostate cancer	6.26
Pancreatic cancer	8.54
Esophageal cancer	
Cervical cancer	6.27
Lip and oral cavity cancer	
Brain and nervous system cancer	
Bladder cancer	3.44
Gallbladder and biliary tract cancer	
Ovarian cancer	2.81
Kidney cancer	
Larynx cancer	2.68
Uterine cancer	
Non-melanoma skin cancer	0.87
Nasopharynx cancer	
Thyroid cancer	
Testicular cancer	

Tracheal, bronchus, and lung cancer had an extremely high death rate in **High SDI countries.**

Cervical cancer is found more in **Low SDI countries.**

■ High SDI   ■ Low SDI

Changes in the death rate per 100K by SDI Level

137.44 (▲ 0.10%)
130.24 (▼ -5.15%)
123.41 (▼ -10.12%)
117.61 (▼ -14.34%)
105.41 (▼ -23.23%)

87.12 (▼ -1.13%)
81.01 (▼ -8.06%)
78.94 (▼ -10.41%)
78.21 (▼ -11.24%)
80.48 (▼ -8.66%)

Changes in the percentage of prevalence by SDI Level

2.62% (0.00%)
2.76% (▲ 0.15%)
2.87% (▲ 0.26%)
3.00% (▲ 0.38%)
3.16% (▲ 0.54%)
3.27% (▲ 0.65%)

1993   1998   2003   2008   2013   2018

1993   1998   2003   2008   2013   2018
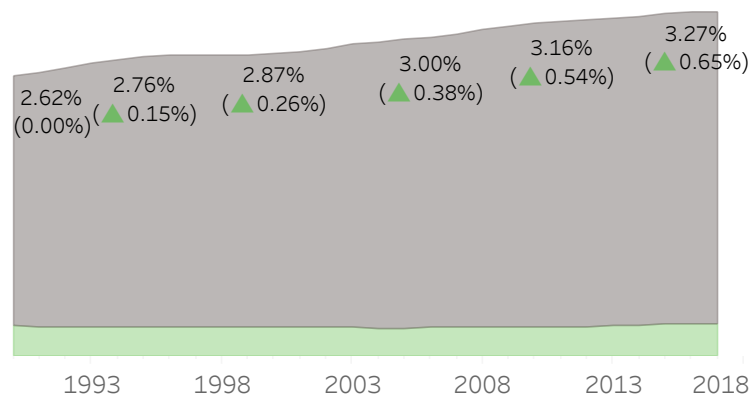
Data Source: Our World in Data - Cancer (https://ourworldindata.org/cancer)

Socio-demographic Index (SDI) groupings by country

Death Rate by SDI >>

- High SDI
- High-middle SDI
- Middle SDI
- Low-middle SDI
- Low SDI

Caribbean

ATG · VCT · BRB · COM
DMA · GRD · MDV · MUS
LCA · TTO · TLS · SYC

W Africa · E Med.
MLT
Persian Gulf · SGP
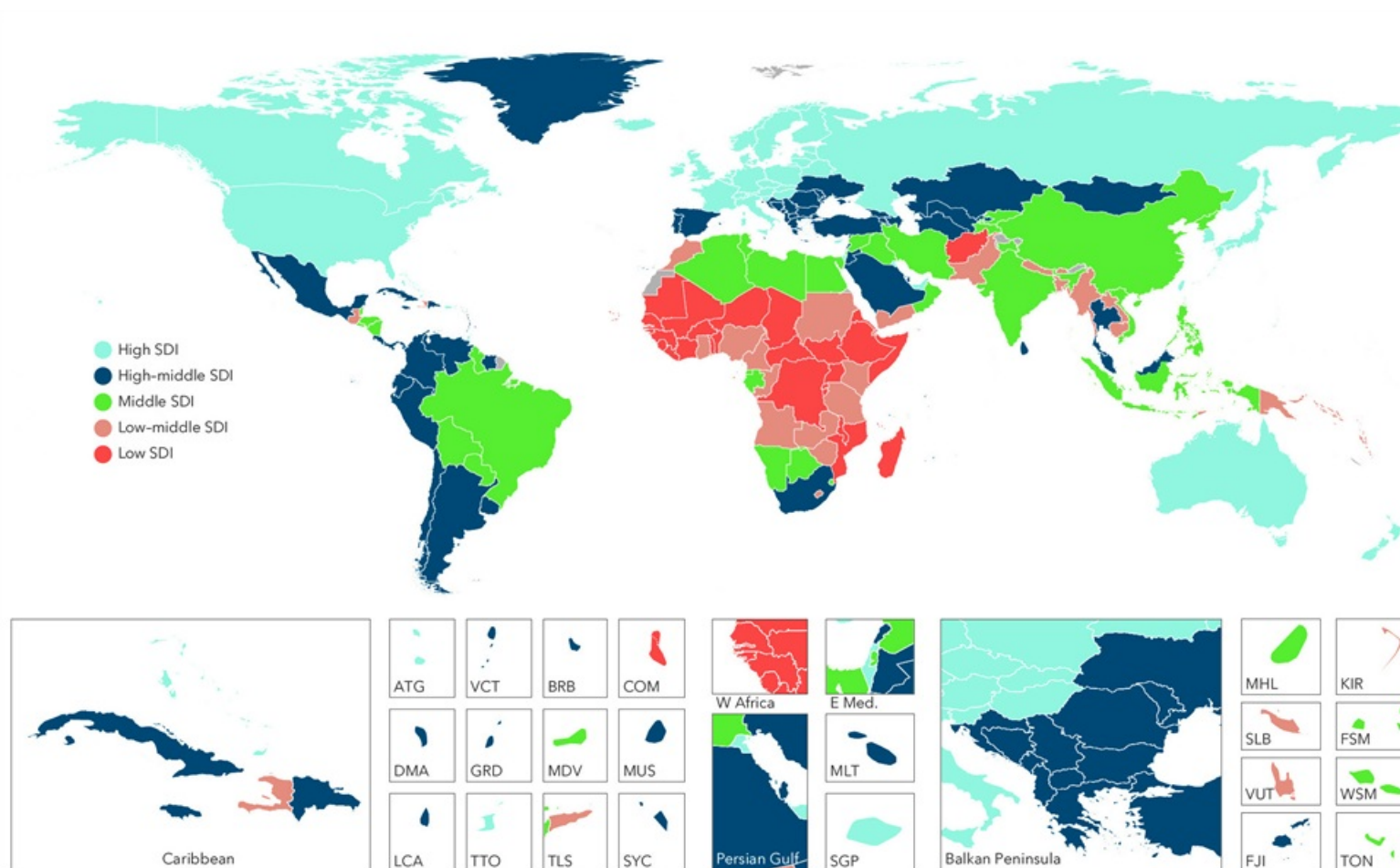
Balkan Peninsula

MHL · KIR
SLB · FSM
VUT · WSM
FJI · TON

Image Source:IHME (http://www.healthdata.org/acting-data/new-way-measuring-development-helps-assess-health-system-performance)
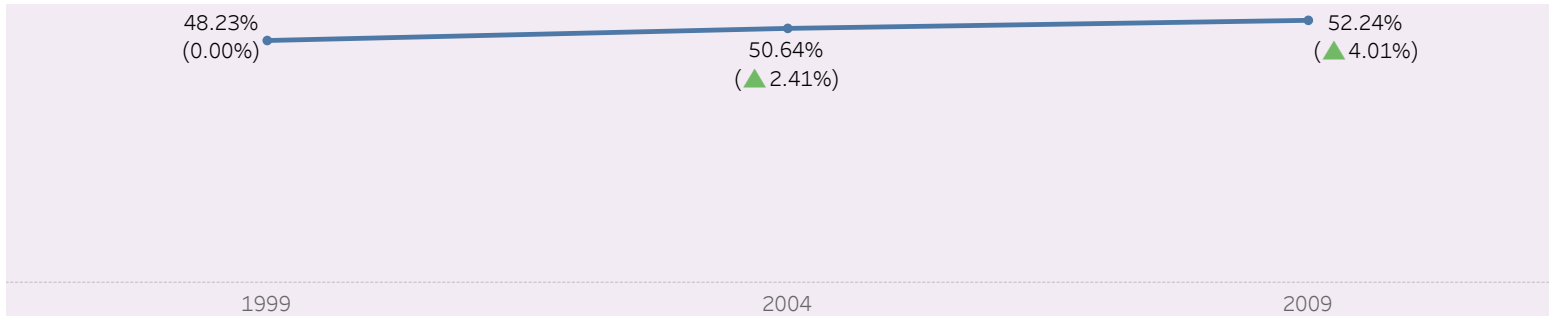
5-Year Cancer Survival

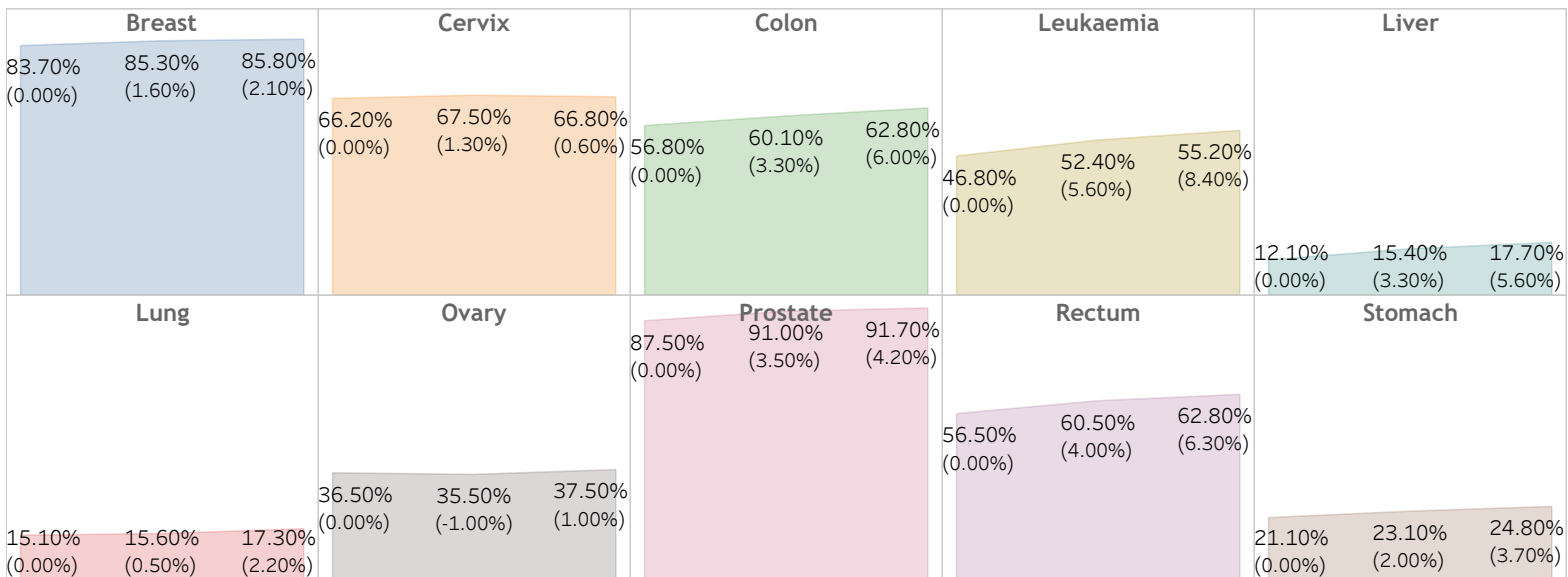## 5-Year Cancer Survival Percentage (1999-2004-2009) in Canada

Overall cancer survival rates are rising. **Prostate** and **Breast** cancer survival rates are <u>the highest</u>, while **Lung** and **Liver** are <u>the lowest</u>.

Select a country:
Canada

48.23%
(0.00%)

50.64%
(▲ 2.41%)

52.24%
(▲4.01%)

1999   2004   2009

Survival Rate Changes by cancer type in Canada

Breast
83.70% (0.00%)   85.30% (1.60%)   85.80% (2.10%)

Cervix
66.20% (0.00%)   67.50% (1.30%)   66.80% (0.60%)

Colon
56.80% (0.00%)   60.10% (3.30%)   62.80% (6.00%)

Leukaemia
46.80% (0.00%)   52.40% (5.60%)   55.20% (8.40%)

Liver
12.10% (0.00%)   15.40% (3.30%)   17.70% (5.60%)

Lung
15.10% (0.00%)   15.60% (0.50%)   17.30% (2.20%)

Ovary
36.50% (0.00%)   35.50% (-1.00%)   37.50% (1.00%)

Prostate
87.50% (0.00%)   91.00% (3.50%)   91.70% (4.20%)

Rectum
56.50% (0.00%)   60.50% (4.00%)   62.80% (6.30%)

Stomach
21.10% (0.00%)   23.10% (2.00%)   24.80% (3.70%)

Data Source: Our World in Data - Cancer (https://ourworldindata.org/cancer)

Conclusion

5-year Survival Rate

42.45% → 46.46% ▲4.02%

1999   2009

5-year Survival Rate by cancer type

Cancer type	2009 Survival Rate
Breast	78.43%
Prostate	79.54%
Cervix	61.88%
Colon	55.89%
Rectum	53.93%
Leukaemia	41.25%
Ovary	39.55%
Stomach	25.98%
Lung	14.40%
Liver	12.97%

■ 1999   ■ 2009

10.00% 20.00% 30.00% 40.00% 50.00% 60.00% 70.00% 80.00% 90.00%
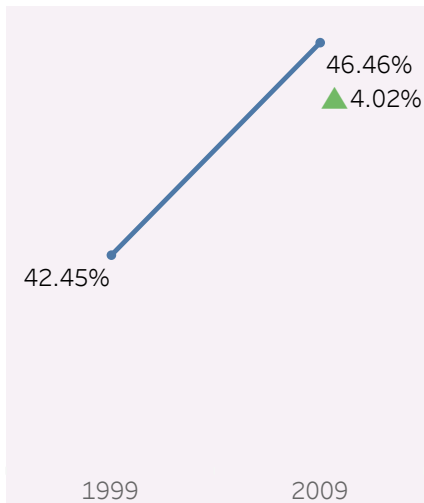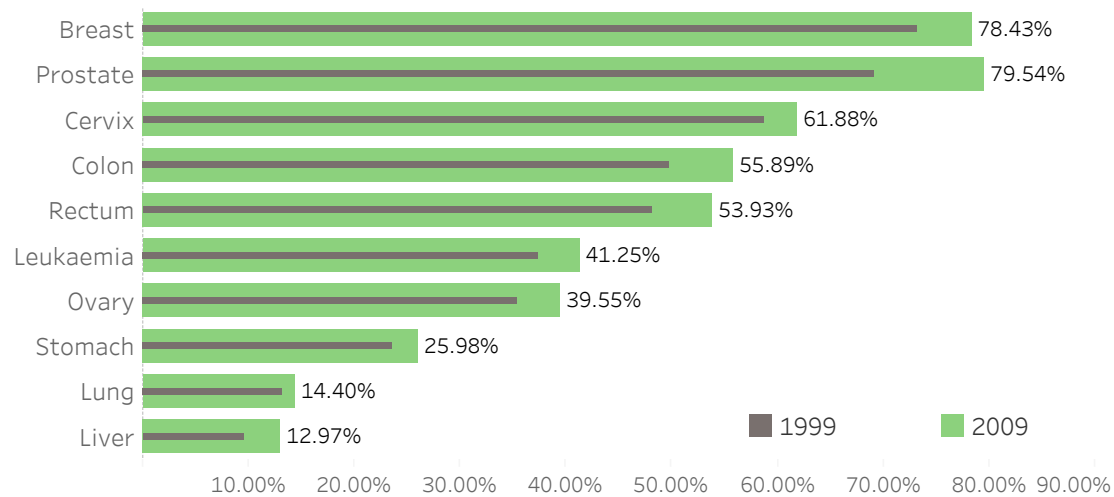
Survival rates are improving for many types of cancer,
thanks to improvements in cancer screening and cancer treatment.