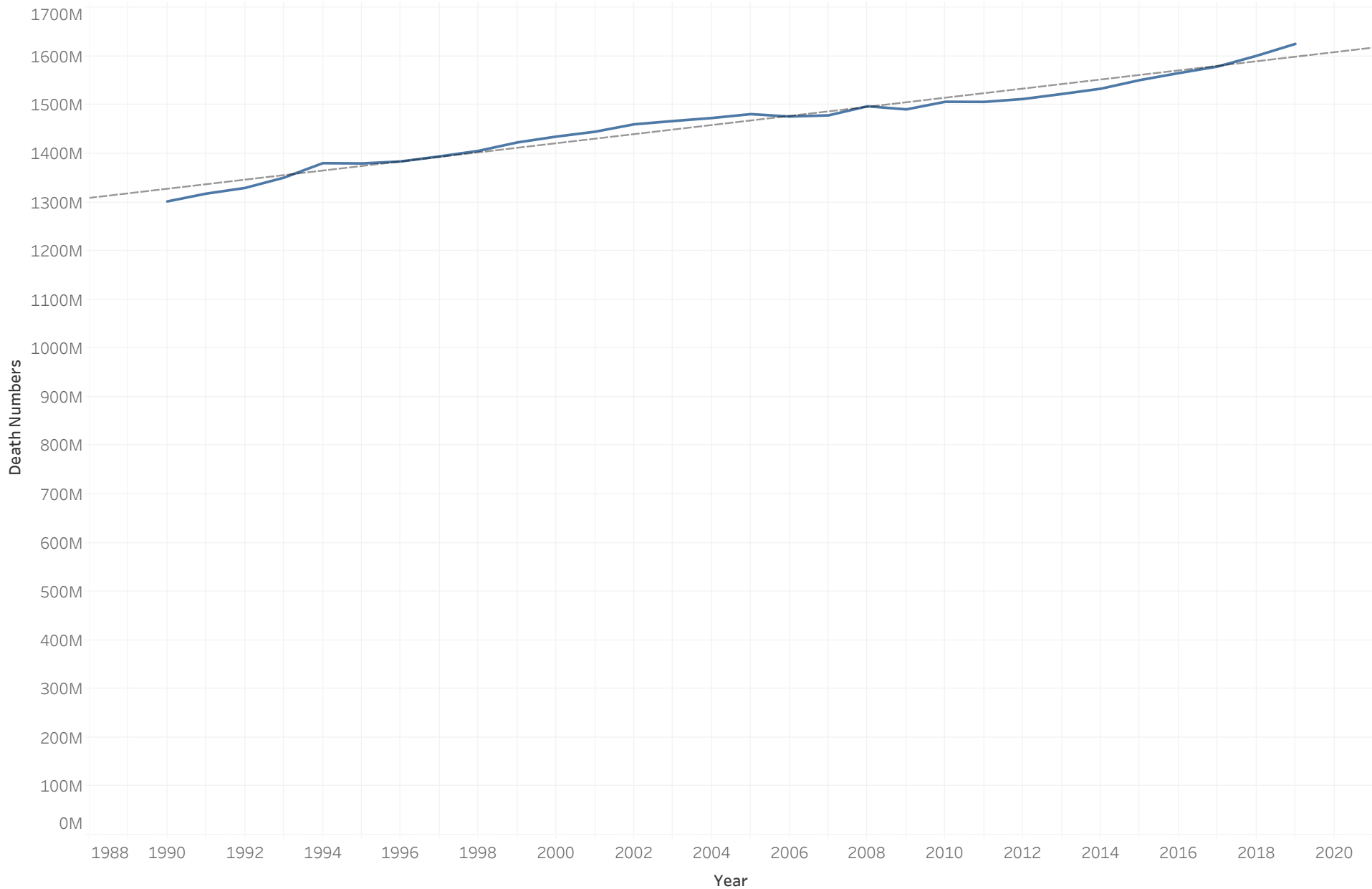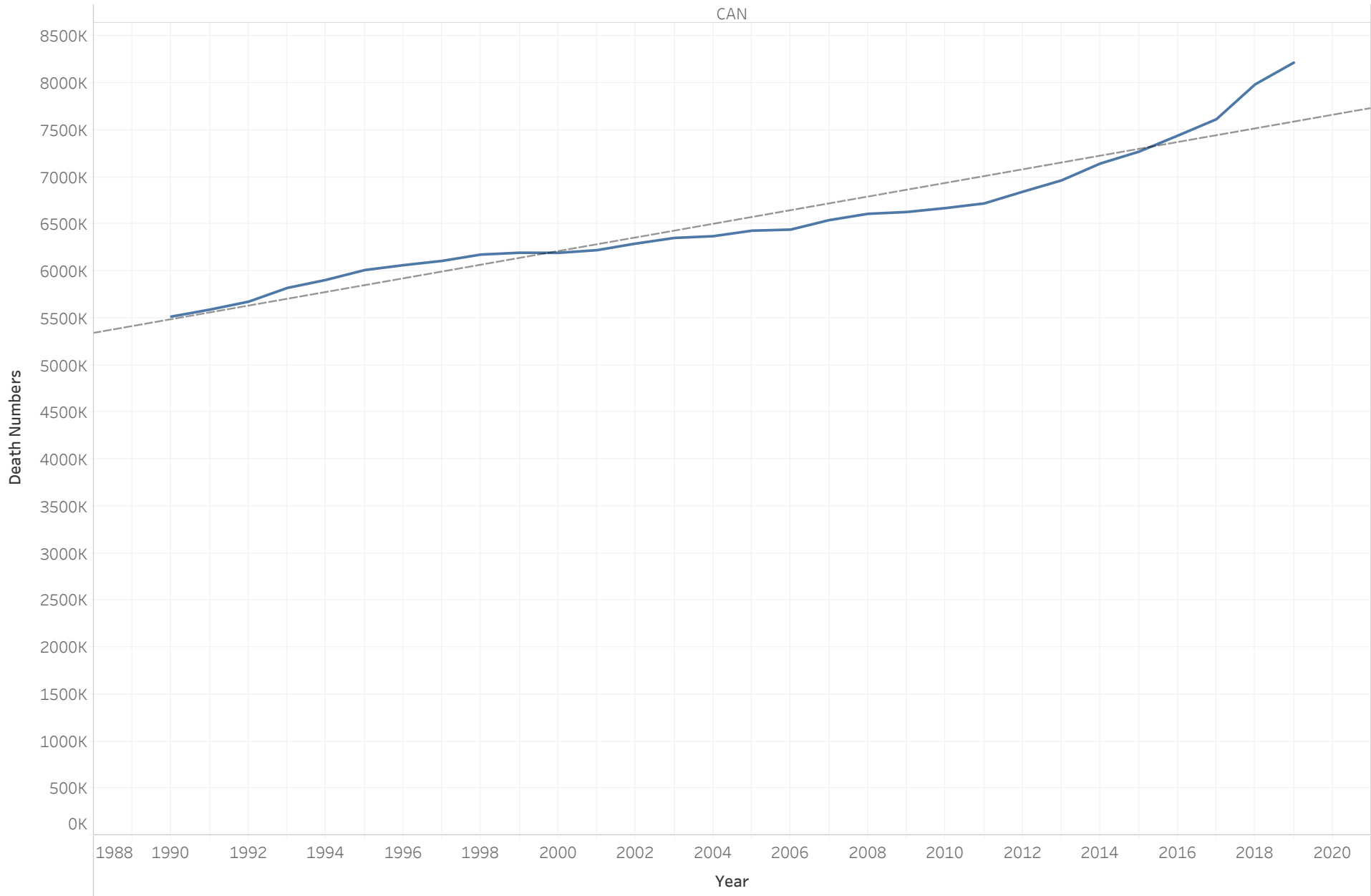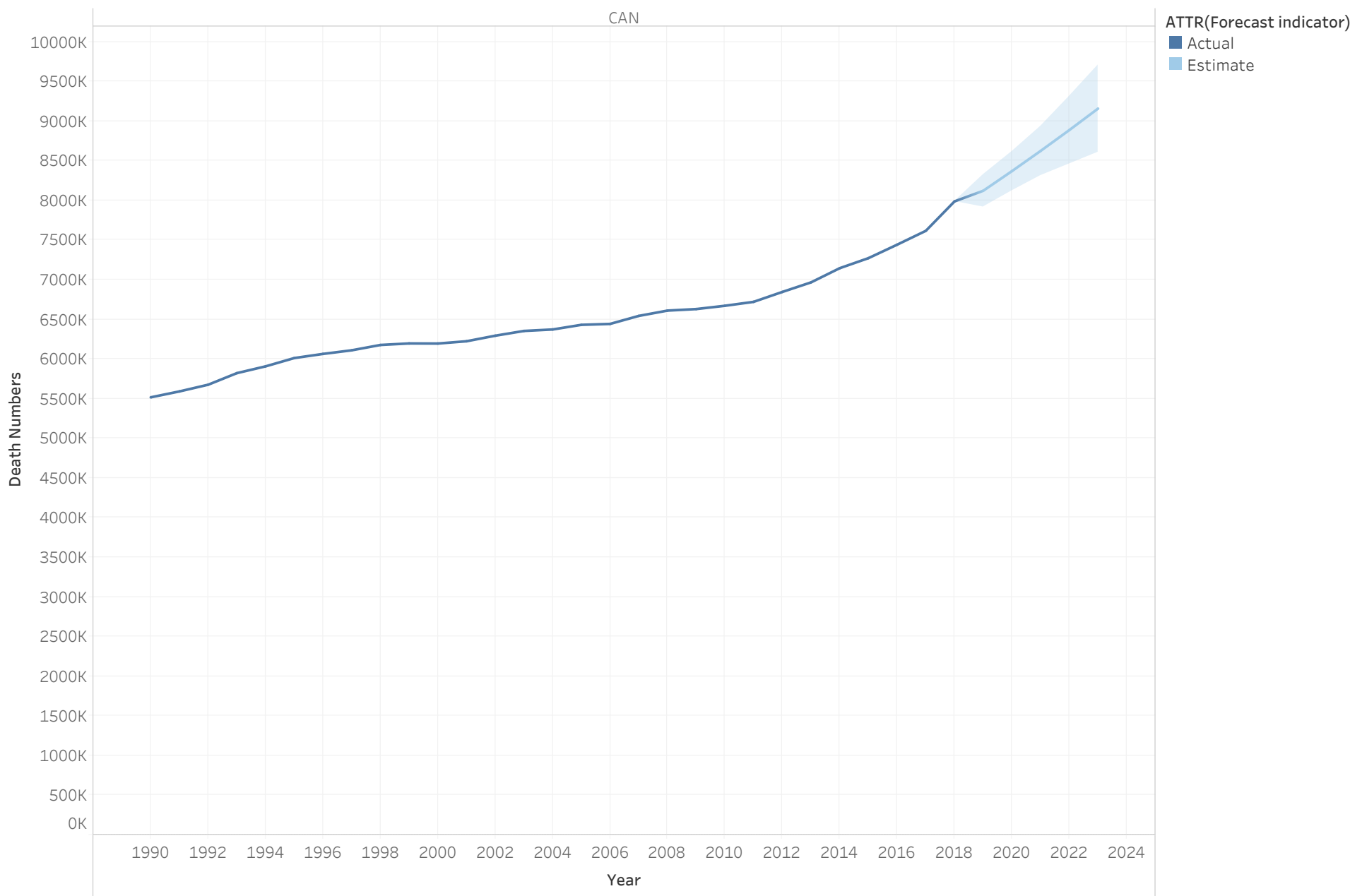## World-Deaths Per Year

The trend of sum of Death Numbers for Year (20222703 Causes Of Death Clean Output V2.0.csv).

Canada- Deaths Per Year Trendline

CAN

The trend of sum of Death Numbers for Year (20222703 Causes Of Death Clean Output V2.0.csv) broken down by Code. The view is filtered on Code, which keeps CAN.

Canada-Deaths Per Year Forecast

CAN

ATTR(Forecast indicator)
- Actual
- Estimate

The trend of sum of Death Numbers (actual & forecast) for Year (20222703 Causes Of Death Clean Output V2.0.csv) broken down by Code. Color shows details about ATTR(Forecast indicator). The view is filtered on Code, which keeps CAN.

Canada- Grouped Cause of Death vs. Death Numbers

Causes name (group)

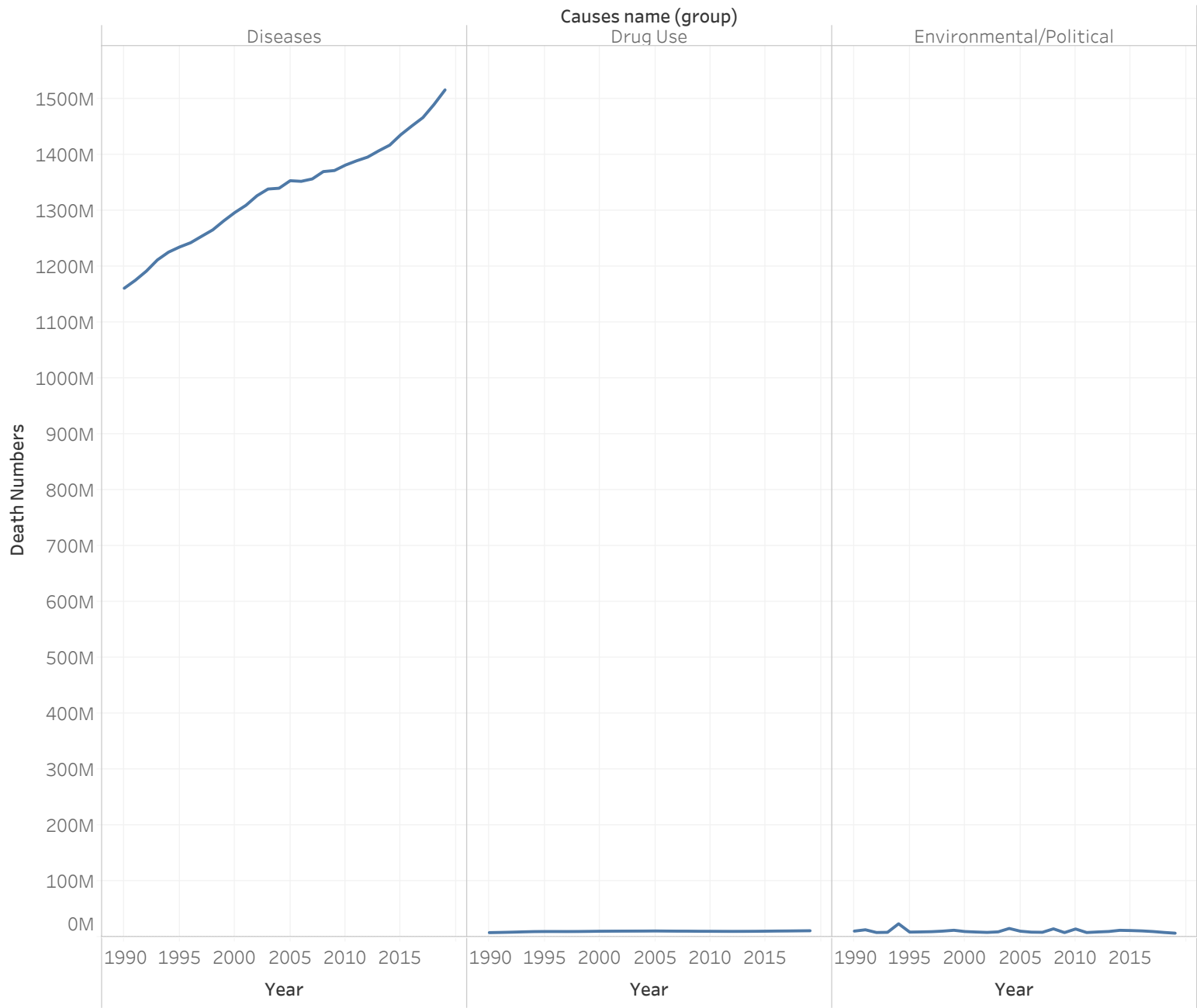| Diseases | Drug Use | Environmental/Political |

The trend of sum of Death Numbers for Year (20222703 Causes Of Death Clean Output V2.0.csv) broken down by Causes name (group). The view is filtered on sum of Death Numbers, which includes everything.

Canada- Grouped Cause of Death vs. Death Numbers

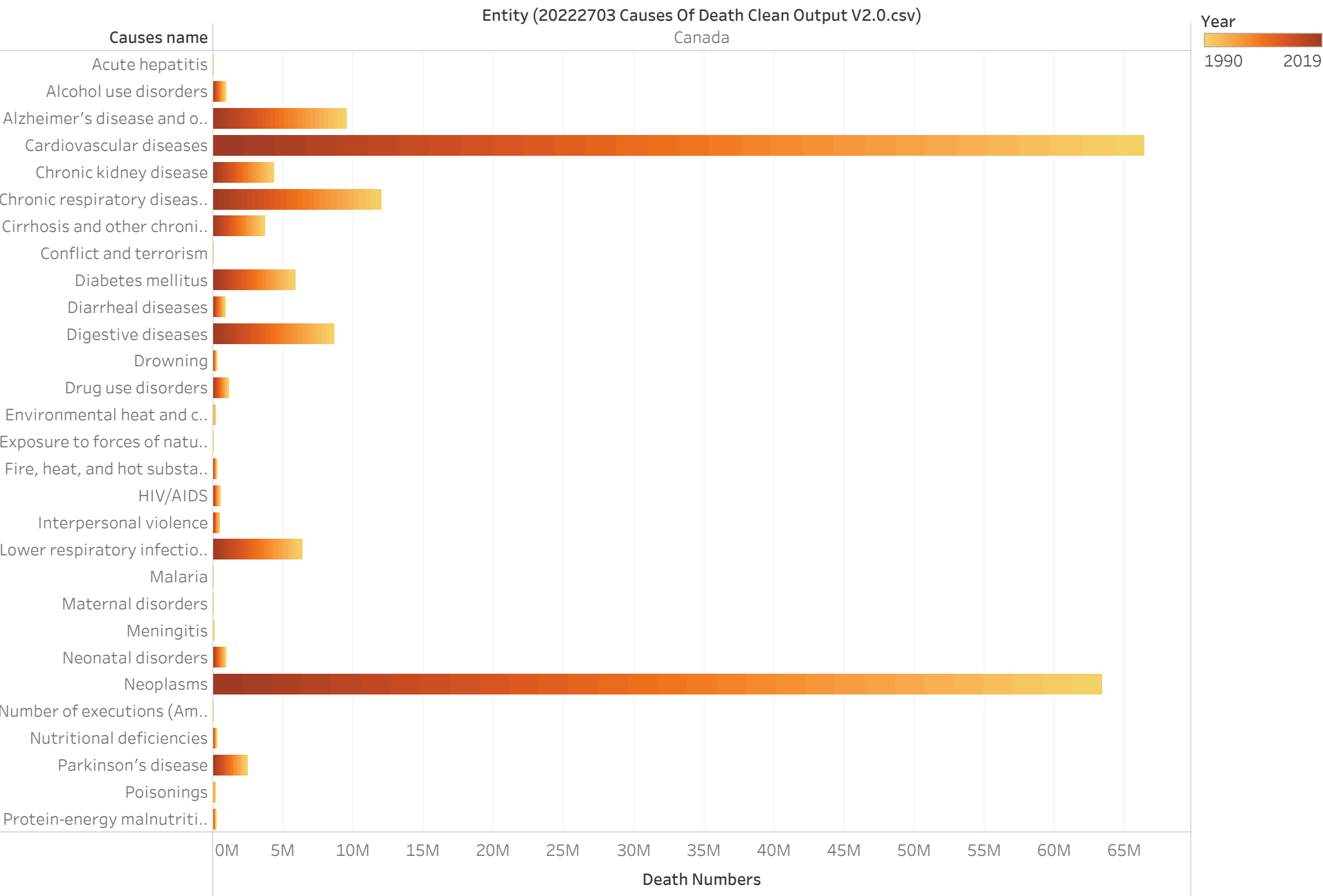**Causes name (group)**
Other Causes of Death
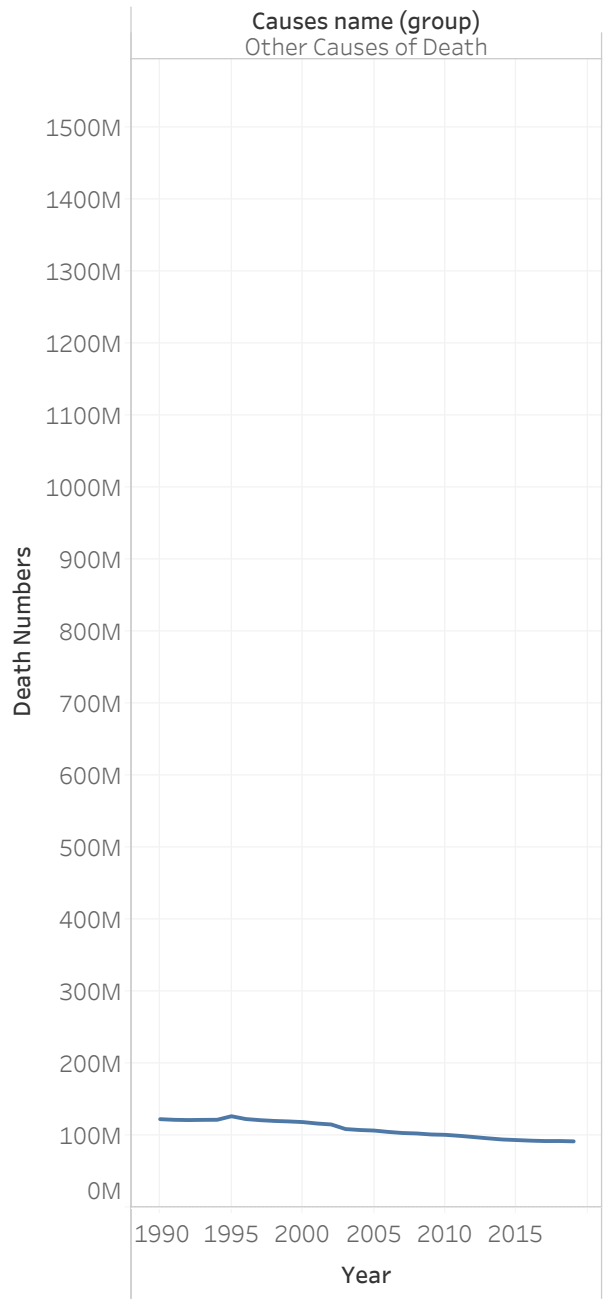
The trend of sum of Death Numbers for Year (20222703 Causes Of Death Clean Output V2.0.csv) broken down by Causes name (group). The view is filtered on sum of Death Numbers, which includes everything.

Canada- Grouped Cause of Death Chart

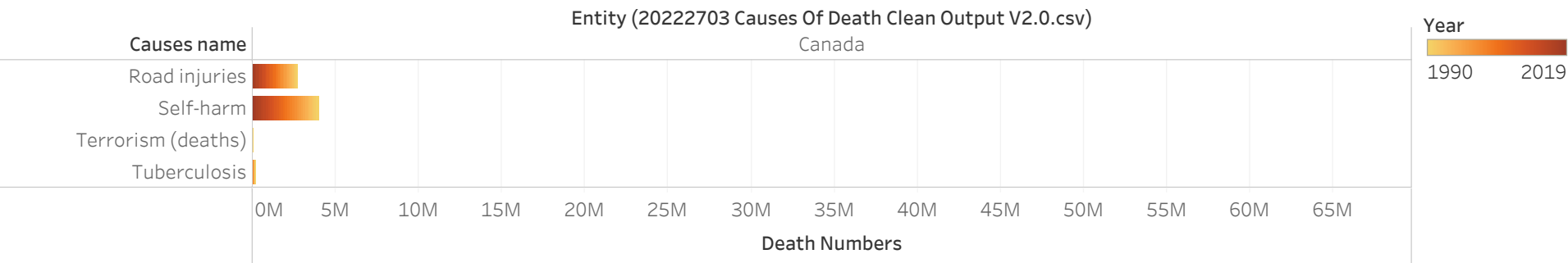|		Causes name (group)				Death Numbers
Code	Year (2..	Diseases	Drug Use	Environm..	Other Cau..	12,030 8M
CAN	1990	5,165,910	39,360	18,210	293,250	
	1991	5,241,300	41,730	17,040	291,210	
	1992	5,325,660	44,040	17,010	289,050	
	1993	5,469,180	46,470	16,890	289,230	
	1994	5,556,180	48,060	16,650	286,440	
	1995	5,663,310	48,630	16,650	283,320	
	1996	5,716,620	49,770	16,290	281,400	
	1997	5,765,040	51,210	15,870	277,500	
	1998	5,830,800	53,850	16,470	275,760	
	1999	5,849,940	55,800	15,450	275,040	
	2000	5,854,020	57,780	14,280	268,890	
	2001	5,882,130	59,670	14,430	267,480	
	2002	5,951,010	61,950	13,650	267,060	
	2003	6,011,400	63,270	13,740	265,290	
	2004	6,031,680	64,920	13,020	262,620	
	2005	6,085,620	67,200	13,050	264,990	
	2006	6,098,520	69,420	13,830	260,550	
	2007	6,197,520	72,450	13,950	259,410	
	2008	6,262,350	75,120	14,130	258,690	
	2009	6,283,260	77,760	13,620	254,880	
	2010	6,323,700	80,490	12,960	253,920	
	2011	6,375,210	83,820	12,390	249,090	
	2012	6,494,040	87,960	12,030	251,340	
	2013	6,609,270	92,580	12,930	251,160	
	2014	6,779,040	98,430	13,170	254,370	
	2015	6,896,490	104,250	12,420	258,390	
	2016	7,056,840	108,840	12,570	263,100	
	2017	7,227,720	113,400	12,780	262,230	
	2018	7,594,080	116,850	14,910	261,270	
	2019	7,824,660	120,570	12,960	260,220	

Sum of Death Numbers broken down by Causes name (group) vs.
Code and Year (20222703 Causes Of Death Clean Output
V2.0.csv). Color shows sum of Death Numbers. The marks are
labeled by sum of Death Numbers. The view is filtered on sum of
Death Numbers and Code. The sum of Death Numbers filter
includes everything. The Code filter keeps CAN.

Canada- Cause of Death vs. Death Numbers

Entity (20222703 Causes Of Death Clean Output V2.0.csv)
Canada

Causes name

Year
1990   2019

Cause	
Acute hepatitis	
Alcohol use disorders	
Alzheimer's disease and o..	
Cardiovascular diseases	
Chronic kidney disease	
Chronic respiratory diseas..	
Cirrhosis and other chroni..	
Conflict and terrorism	
Diabetes mellitus	
Diarrheal diseases	
Digestive diseases	
Drowning	
Drug use disorders	
Environmental heat and c..	
Exposure to forces of natu..	
Fire, heat, and hot substa..	
HIV/AIDS	
Interpersonal violence	
Lower respiratory infectio..	
Malaria	
Maternal disorders	
Meningitis	
Neonatal disorders	
Neoplasms	
Number of executions (Am..	
Nutritional deficiencies	
Parkinson's disease	
Poisonings	
Protein-energy malnutriti..	

0M 5M 10M 15M 20M 25M 30M 35M 40M 45M 50M 55M 60M 65M

Death Numbers

Sum of Death Numbers for each Causes name broken down by Entity (20222703 Causes Of Death Clean Output V2.0.csv). Color shows details about Year.
Details are shown for Causes name. The view is filtered on Entity (20222703 Causes Of Death Clean Output V2.0.csv), which keeps Canada.
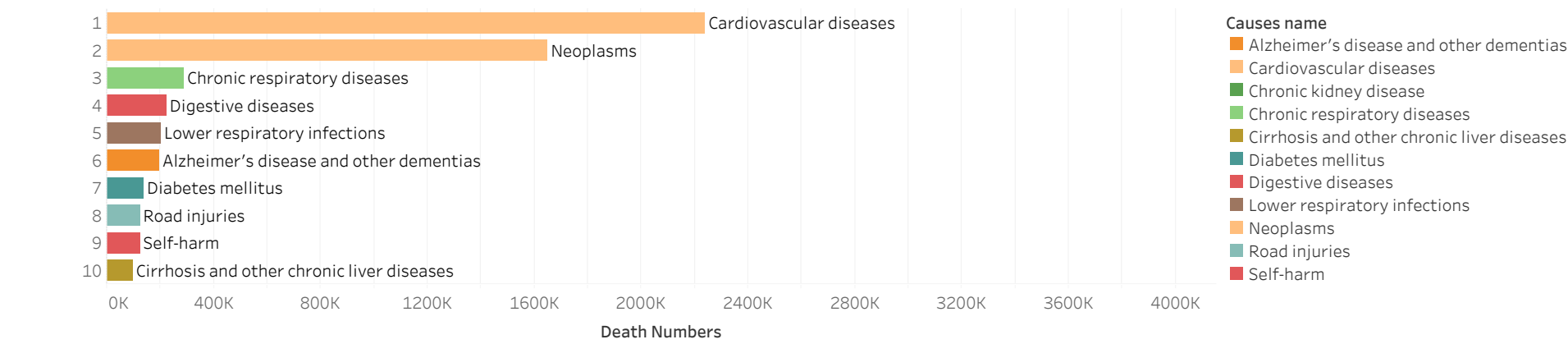
Canada- Cause of Death vs. Death Numbers

Entity (20222703 Causes Of Death Clean Output V2.0.csv)
Canada

Causes name		Year
		1990 ————— 2019

Road injuries

Self-harm

Terrorism (deaths)

Tuberculosis

0M   5M   10M   15M   20M   25M   30M   35M   40M   45M   50M   55M   60M   65M

Death Numbers

Sum of Death Numbers for each Causes name broken down by Entity (20222703 Causes Of Death Clean Output V2.0.csv). Color shows details about Year.
Details are shown for Causes name. The view is filtered on Entity (20222703 Causes Of Death Clean Output V2.0.csv), which keeps Canada.
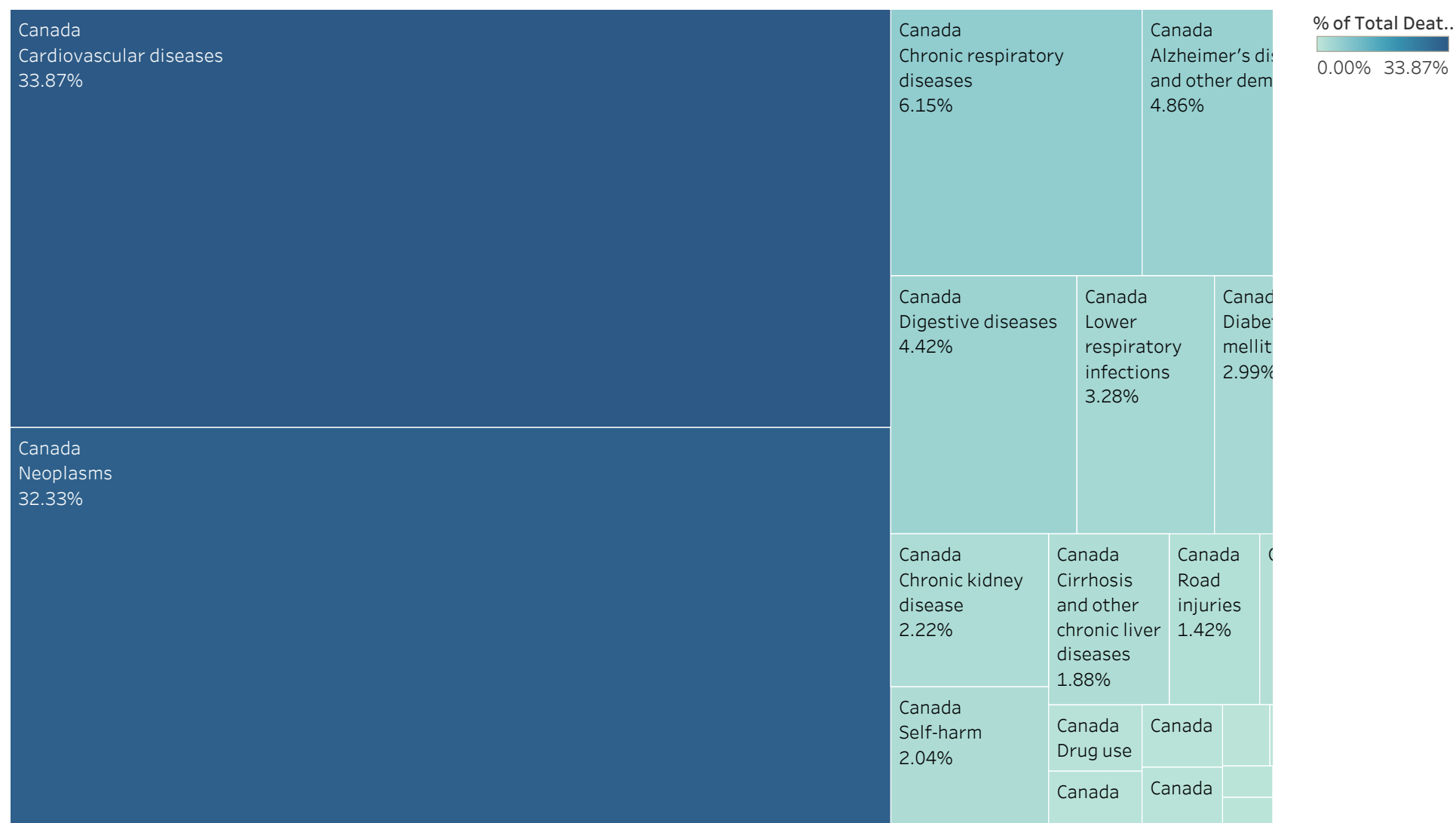
Canada- Top 10 Causes of Death - 1991

Rank		Cause
1		Cardiovascular diseases
2		Neoplasms
3		Chronic respiratory diseases
4		Digestive diseases
5		Lower respiratory infections
6		Alzheimer's disease and other dementias
7		Diabetes mellitus
8		Road injuries
9		Self-harm
10		Cirrhosis and other chronic liver diseases

Death Numbers (x-axis): 0K, 400K, 800K, 1200K, 1600K, 2000K, 2400K, 2800K, 3200K, 3600K, 4000K

Causes name (legend)
- Alzheimer's disease and other dementias
- Cardiovascular diseases
- Chronic kidney disease
- Chronic respiratory diseases
- Cirrhosis and other chronic liver diseases
- Diabetes mellitus
- Digestive diseases
- Lower respiratory infections
- Neoplasms
- Road injuries
- Self-harm

Sum of Death Numbers for each Rank of Death Numbers. Color shows details about Causes name. The marks are labeled by Causes name. The data is filtered on Entity (20222703 Causes Of Death Clean Output V2.0.csv), Rank of Death Numbers and Action (Causes name,Entity). The Entity (20222703 Causes Of Death Clean Output V2.0.csv) filter keeps Canada. The Rank of Death Numbers filter includes everything. The Action (Causes name,Entity) filter keeps 32 members. The view is filtered on Rank of Death Numbers, which keeps 10 members.

Canada-Cause of Death Tree map

Canada Cardiovascular diseases 33.87%	Canada Chronic respiratory diseases 6.15%	Canada Alzheimer's di: and other dem 4.86%

% of Total Deat..

0.00% 33.87%

	Canada Digestive diseases 4.42%	Canada Lower respiratory infections 3.28%	Canad Diabe mellit 2.99%

Canada Neoplasms 32.33%	Canada Chronic kidney disease 2.22%	Canada Cirrhosis and other chronic liver diseases 1.88%	Canada Road injuries 1.42%	C

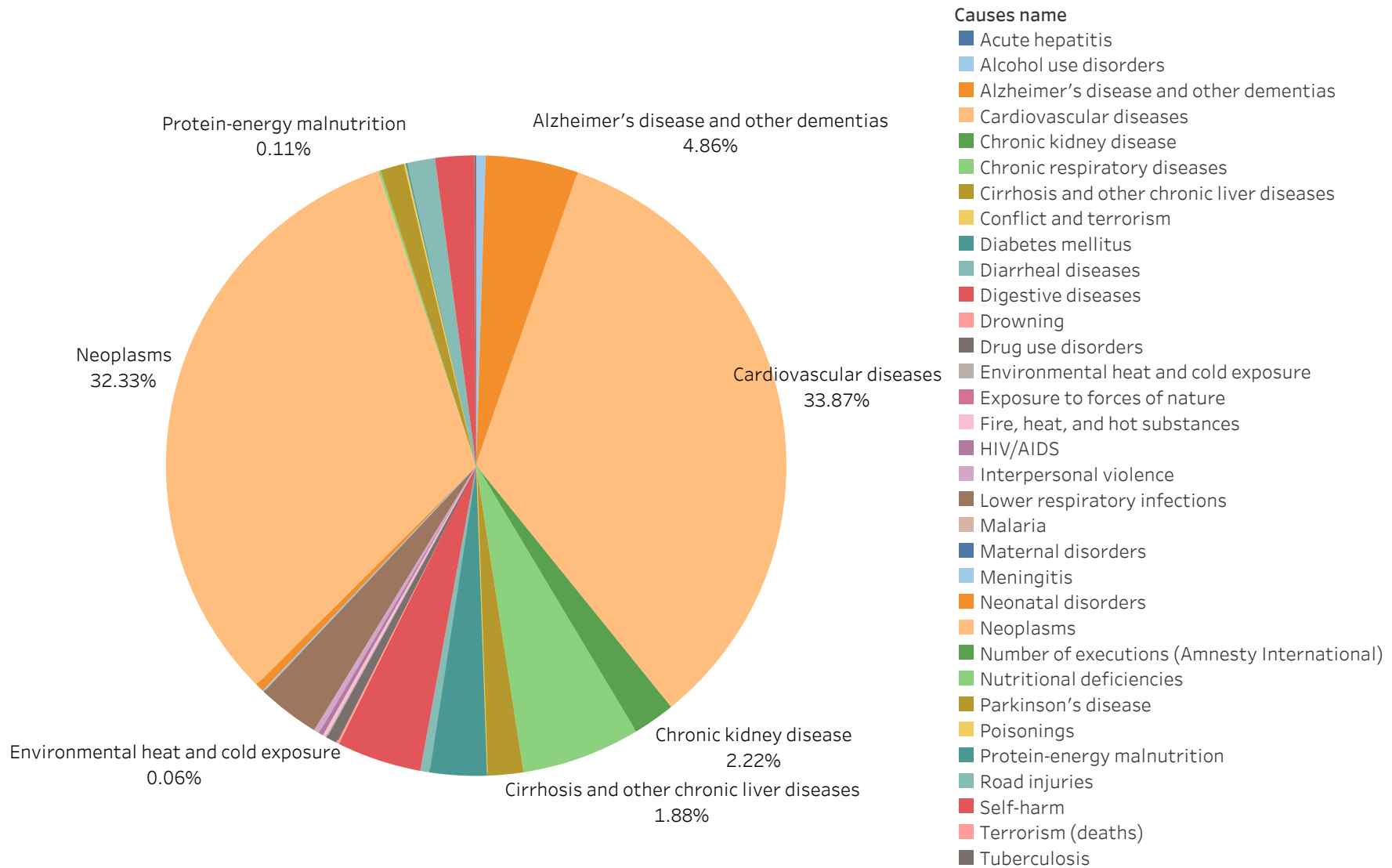| Canada Self-harm 2.04%	Canada Drug use	Canada	
	Canada	Canada	

Entity, Causes name and % of Total Death Numbers. Color shows % of Total Death Numbers. Size shows sum of Death Numbers. The marks are labeled by Entity, Causes name and % of Total Death Numbers. The view is filtered on sum of Death Numbers and Entity. The sum of Death Numbers filter keeps non-Null values only. The Entity filter keeps Canada.

Canada-Cause of Death Tree map

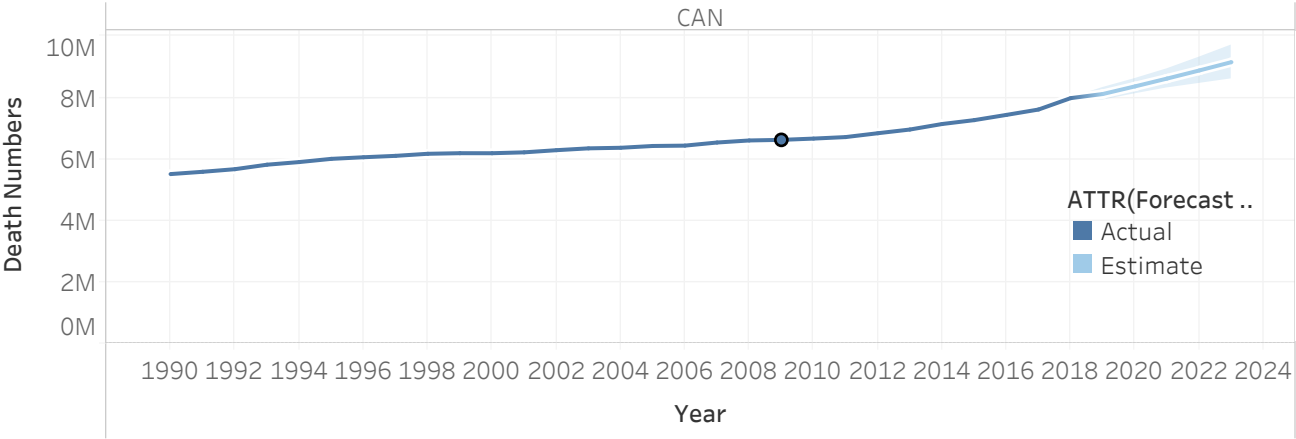% of Total Deat..

0.00% 33.87%

sease
entias

la
tes
us

Canada

Entity, Causes name and % of Total Death Numbers. Color shows % of Total Death Numbers. Size shows sum of Death Numbers. The marks are labeled by Entity, Causes name and % of Total Death Numbers. The view is filtered on sum of Death Numbers and Entity. The sum of Death Numbers filter keeps non-Null values only. The Entity filter keeps Canada.

Death Per Country- Cardiovascular

Clusters
- Cluster 1
- Cluster 2
- Cluster 3
- Not Clustered
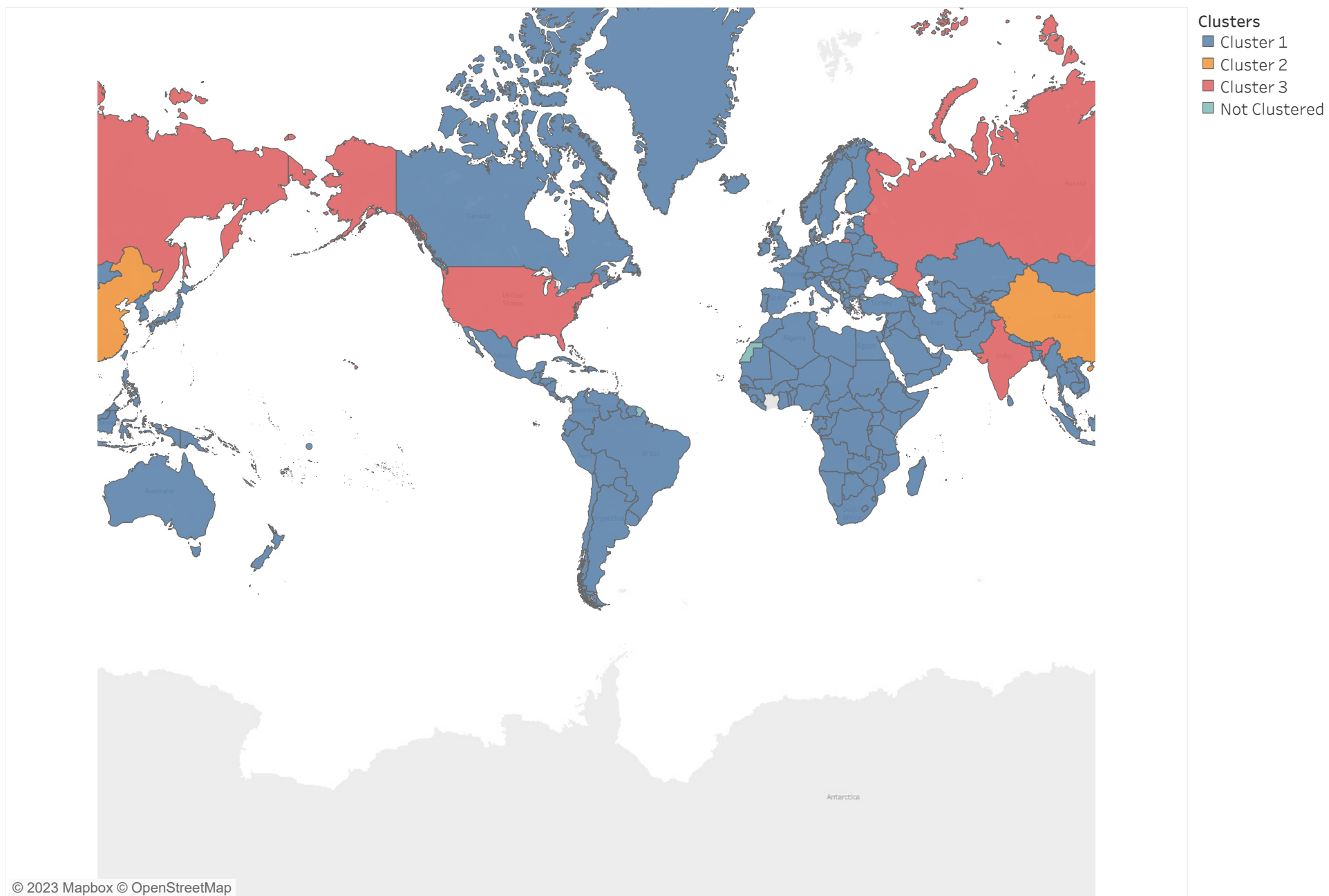
Map based on Longitude (generated) and Latitude (generated). Color shows details about Clusters. Details are shown for Entity. The data is filtered on Causes name, which keeps Cardiovascular diseases.
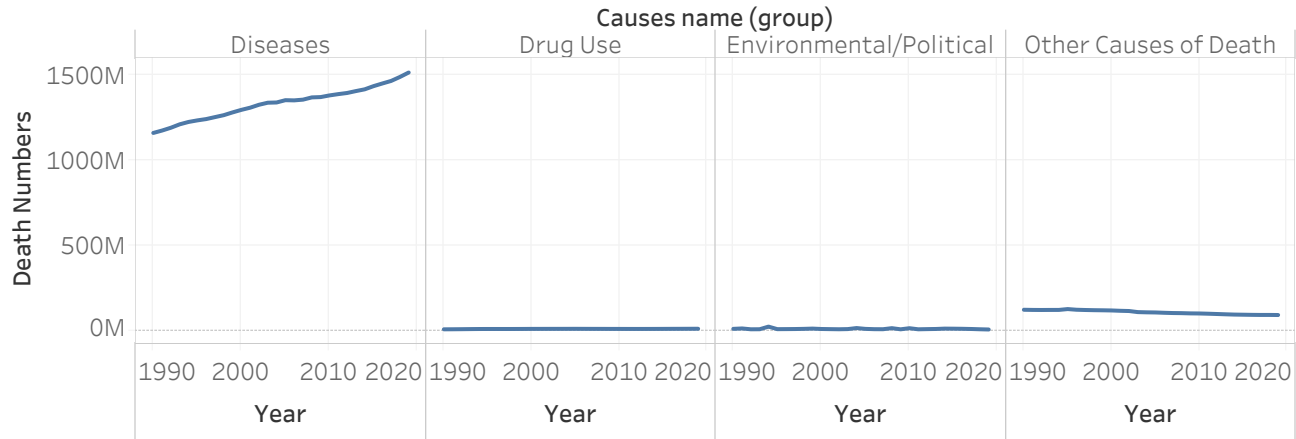
Canada- Pie Chart Divided By Cause of Death

Protein-energy malnutrition
0.11%

Alzheimer's disease and other dementias
4.86%

Neoplasms
32.33%

Cardiovascular diseases
33.87%

Environmental heat and cold exposure
0.06%

Chronic kidney disease
2.22%

Cirrhosis and other chronic liver diseases
1.88%

Causes name
- Acute hepatitis
- Alcohol use disorders
- Alzheimer's disease and other dementias
- Cardiovascular diseases
- Chronic kidney disease
- Chronic respiratory diseases
- Cirrhosis and other chronic liver diseases
- Conflict and terrorism
- Diabetes mellitus
- Diarrheal diseases
- Digestive diseases
- Drowning
- Drug use disorders
- Environmental heat and cold exposure
- Exposure to forces of nature
- Fire, heat, and hot substances
- HIV/AIDS
- Interpersonal violence
- Lower respiratory infections
- Malaria
- Maternal disorders
- Meningitis
- Neonatal disorders
- Neoplasms
- Number of executions (Amnesty International)
- Nutritional deficiencies
- Parkinson's disease
- Poisonings
- Protein-energy malnutrition
- Road injuries
- Self-harm
- Terrorism (deaths)
- Tuberculosis

Causes name as an attribute and % of Total Death Numbers. Color shows details about Causes name. The marks are labeled by Causes name as an attribute and % of Total Death Numbers. The data is filtered on Causes name (group) and Entity. The Causes name (group) filter keeps Diseases, Drug Use, Environmental/Political and Other Causes of Death. The Entity filter keeps Canada. The view is filtered on Causes name, which keeps 33 of 33 members.
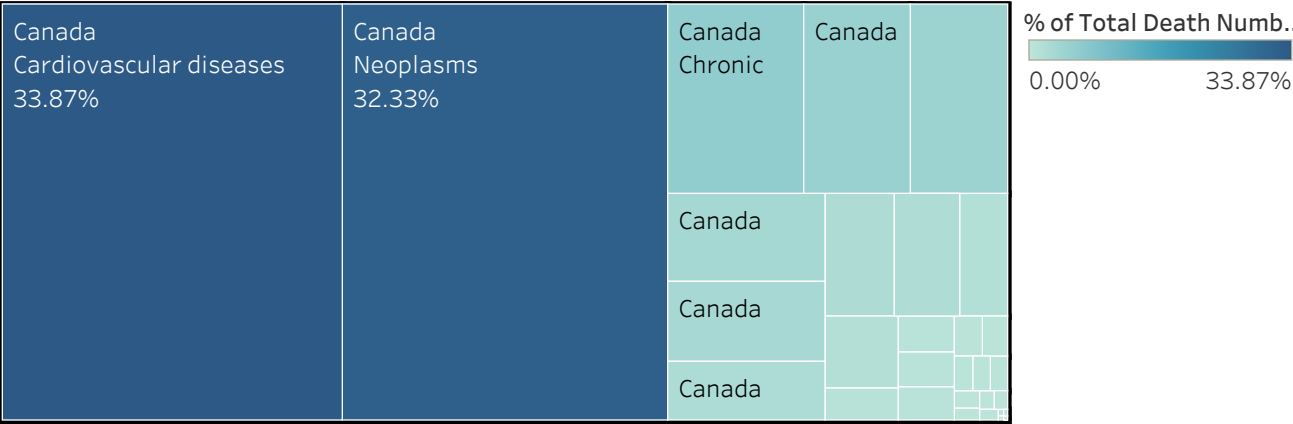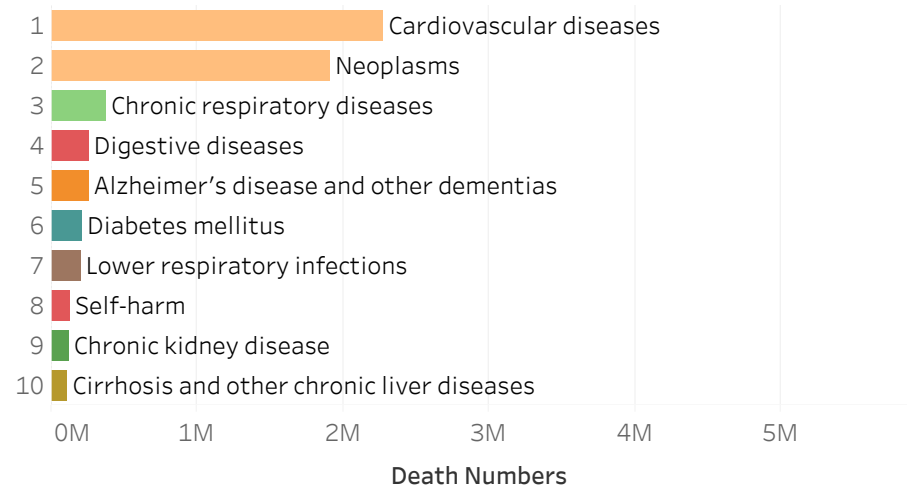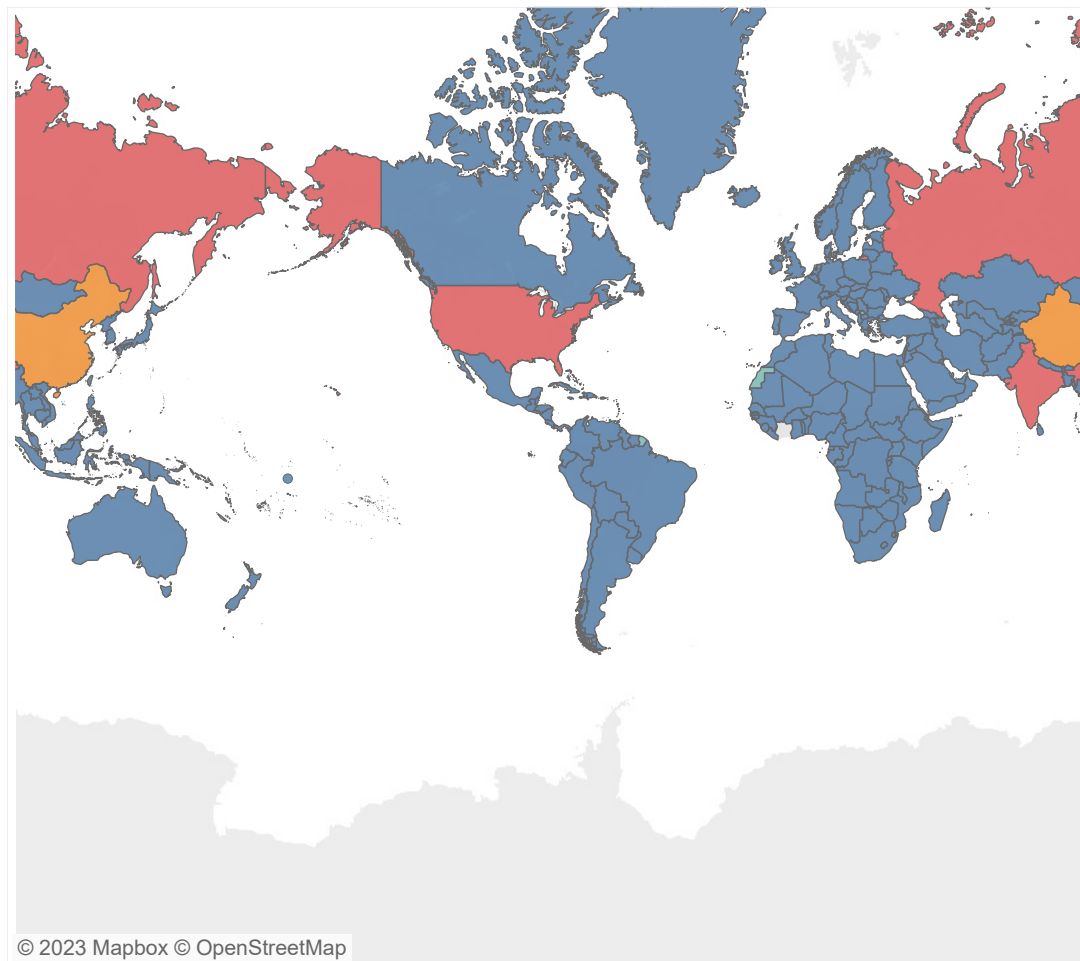
Canada-Deaths Per Year Forecast

CAN

Death Numbers

10M
8M
6M
4M
2M
0M

1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022 2024

Year

ATTR(Forecast ..
■ Actual
■ Estimate

Canada- Grouped Cause of Death vs. Death Numbers

Causes name (group)

| Diseases | Drug Use | Environmental/Political | Other Causes of Death |

Death Numbers

1500M
1000M
500M
0M

1990 2000 2010 2020 1990 2000 2010 2020 1990 2000 2010 2020 1990 2000 2010 2020

Year   Year   Year   Year

Canada- Top 10 Causes of Death - 2000

1	Cardiovascular diseases
2	Neoplasms
3	Chronic respiratory diseases
4	Digestive diseases
5	Alzheimer's disease and other dementias
6	Diabetes mellitus
7	Lower respiratory infections
8	Self-harm
9	Chronic kidney disease
10	Cirrhosis and other chronic liver diseases

Death Numbers

0M 1M 2M 3M 4M 5M

Canada Cardiovascular diseases 33.87%	Canada Neoplasms 32.33%	Canada Chronic	Canada

% of Total Death Numb..

0.00%   33.87%

Death Per Country- Cardiovascular

Causes name
Cardiovascular ..

Clusters
- Cluster 1
- Cluster 2
- Cluster 3
- Not Clustered

Highlight Cluste..
No items

© 2023 Mapbox © OpenStreetMap

Canada- Pie Chart Divided By Cause of Death

Protein-energy malnutrition
0.11%

Alzheimer's disease and other dementias
4.86%

Neoplasms
32.33%

Cardiovascular diseases
33.87%

Environmental heat and cold exposure
0.06%

Cirrhosis and other chronic liver diseases
1.88%

Causes name (group)
✔ Diseases
✔ Drug Use
✔ Environmental/Political
✔ Other Causes of Death

Causes name
All

Causes name
- Acute he..   - Maternal .
- Alcohol u..   - Meningitis
- Alzheime..   - Neonatal .
- Cardiova..   - Neoplas..
- Chronic ki..   - Number o.
- Chronic r..   - Nutrition..
- Cirrhosis .   - Parkinso..
- Conflict a..   - Poisonings
- Diabetes .   - Protein-e..
- Diarrheal..   - Road inju..
- Digestive..   - Self-harm
- Drowning   - Terroris..
- Drug use ..   - Tubercul..
- Environm..
- Exposure ..
- Fire, heat..
- HIV/AIDS
- Interpers..
- Lower res..
- Malaria

Canadian Death Analysis

What is the leading causes of death in Canada?

Kaytlin Wu

Future Considerations

- Consider number of births
- Breakdown data by province to see clustering within Canada
-Include more countries
-Using the top 5 causes of death can investigate preventable ways to reduce amount of deaths in that category

Analysis of Deaths in Canada

Analysis of Deaths in Canada

Kaytlin Wu

Analysis of Deaths in Canada

Kaggle Dataset "Cause of Death- Our World In Data"

-Trends
-What is the top cause of death per year?
-How does Canada compare to the rest of the world?
-Future considerations?

Analysis of Deaths in Canada

Canada-Deaths Per Year Forecast

Number of deaths increasing per year

CAN

Death Numbers

10M
8M
6M
4M
2M
0M

ATTR(Forecast ..
■ Actual
■ Estimate

1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022 2024

Year

Most predominant increase in diseases

Canada- Grouped Cause of Death vs. Death Numbers

Causes name (group)

| Diseases | Drug Use | Environmental/Political | Other Causes of Death |

Death Numbers

1500M

1000M

500M

0M

1990 2000 2010 2020   1990 2000 2010 2020   1990 2000 2010 2020   1990 2000 2010 2020

Year   Year   Year   Year

Analysis of Deaths in Canada

Canada- Top 10 Causes of Death - 1990

Year (20222703 Cause..
1990
☐ Show history

1 ▬▬▬▬▬▬▬ Cardiovascular diseases
2 ▬▬▬▬▬ Neoplasms
3 ▬ Chronic respiratory diseases
4 ▬ Digestive diseases
5 ▬ Lower respiratory infections
6 ▬ Alzheimer's disease and other dementias
7 ▬ Diabetes mellitus
8 ▬ Road injuries
9 ▬ Self-harm
10 ▬ Cirrhosis and other chronic liver diseases

0M   1M   2M   3M   4M   5M

Death Numbers

Time lapse featuring the top 10 causes of death in Canada per year.

Canada Cardiovascular diseases 33.87%	Canada Neoplasms 32.33%	Canada Chronic	Canada

Canada
Canada
Canada
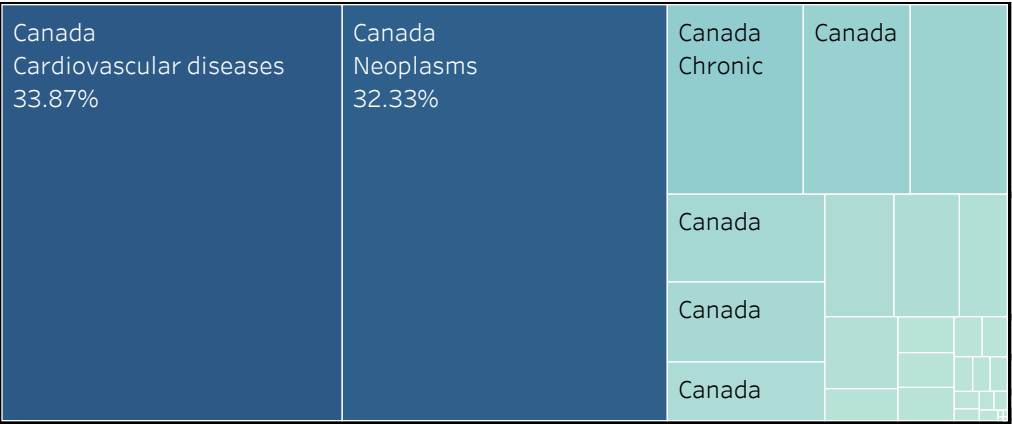
% of Total Death Numb..

0.00%   33.87%

Cardiovascular Diseases and Neoplasms make up the majority of deaths within Canada

Analysis of Deaths in Canada

Causes name
Cardiovascular ..

Clusters
- Cluster 1
- Cluster 2
- Cluster 3

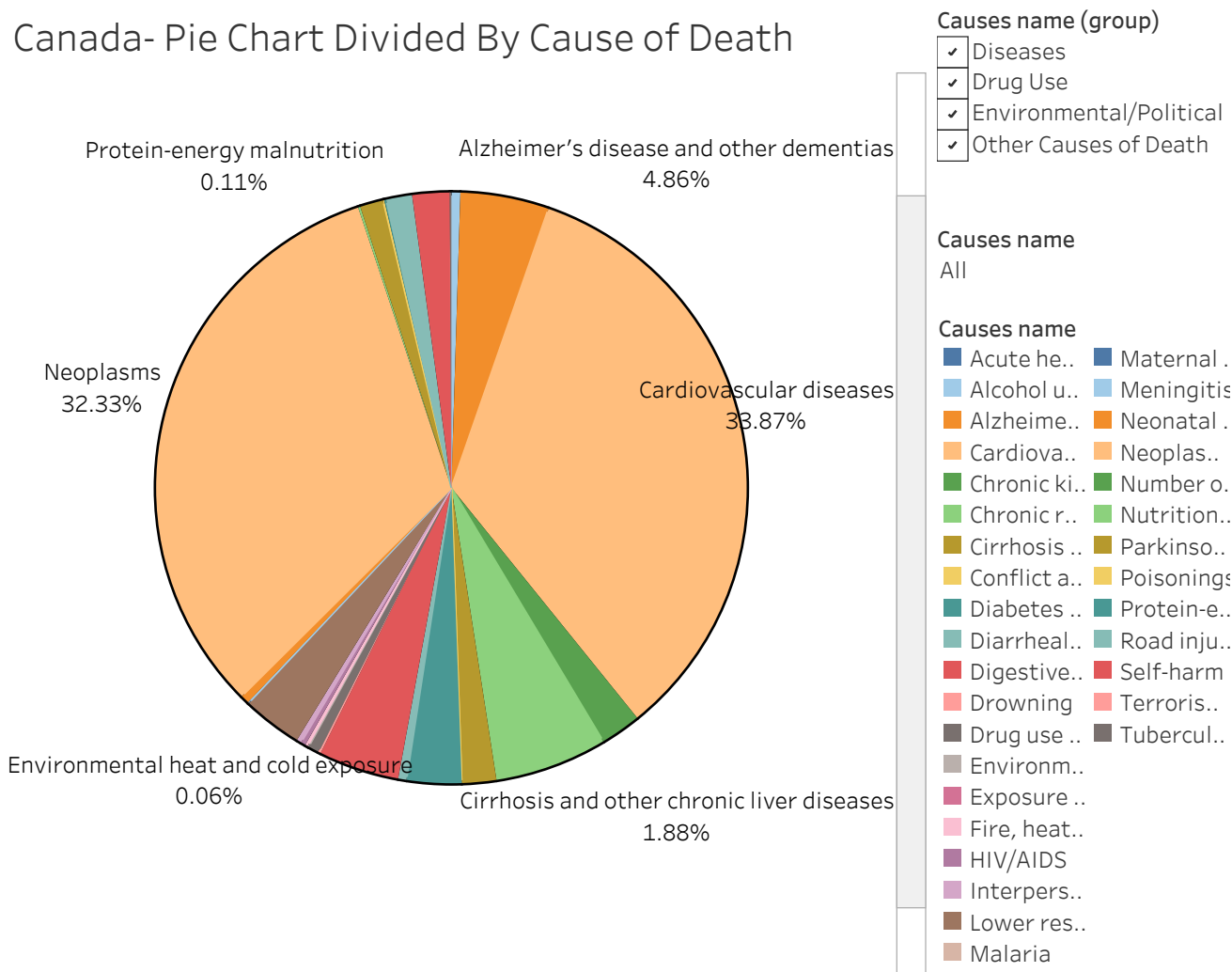Different clusters can be isolated depending on the cause of death.

Specifically looking at cardiovascular diseases, United States, Russia and India have the most cardiovascular related deaths within this dataset.

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Analysis of Deaths in Canada

Canada- Pie Chart Divided By Cause of Death

Protein-energy malnutrition
0.11%

Alzheimer's disease and other dementias
4.86%

Neoplasms
32.33%

Cardiovascular diseases
33.87%

Environmental heat and cold exposure
0.06%

Cirrhosis and other chronic liver diseases
1.88%

Causes name (group)
- ✔ Diseases
- ✔ Drug Use
- ✔ Environmental/Political
- ✔ Other Causes of Death

Causes name
All

Causes name

Acute he..	Maternal .
Alcohol u..	Meningitis
Alzheime..	Neonatal .
Cardiova..	Neoplas..
Chronic ki..	Number o.
Chronic r..	Nutrition..
Cirrhosis ..	Parkinso..
Conflict a..	Poisonings
Diabetes ..	Protein-e..
Diarrheal..	Road inju..
Digestive..	Self-harm
Drowning	Terroris..
Drug use ..	Tubercul..
Environm..	
Exposure ..	
Fire, heat..	
HIV/AIDS	
Interpers..	
Lower res..	
Malaria	

Analysis of Deaths in Canada

Future Considerations

- Consider number of births
- Breakdown data by province to see clustering within Canada
-Include more countries
-Using the top 5 causes of death can investigate preventable ways to reduce amount of deaths in that category