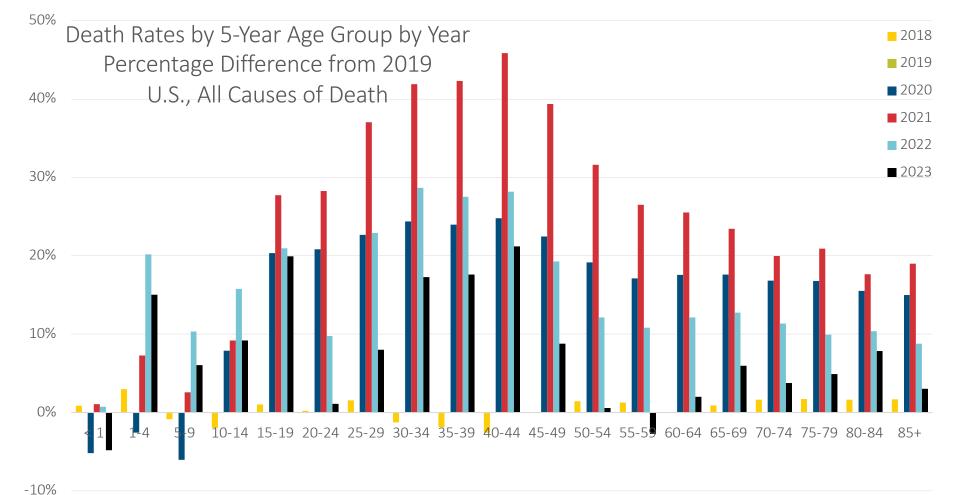
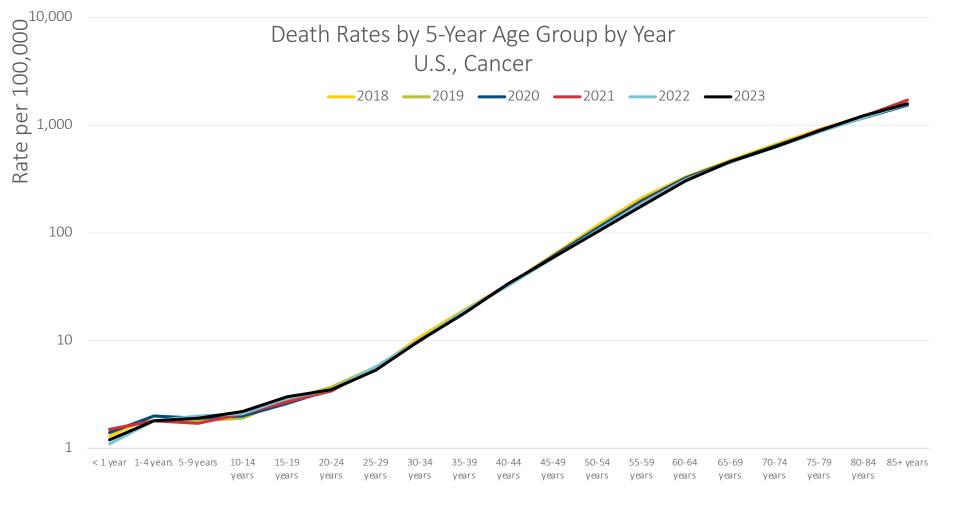
Excess deaths SOA report, May 2023

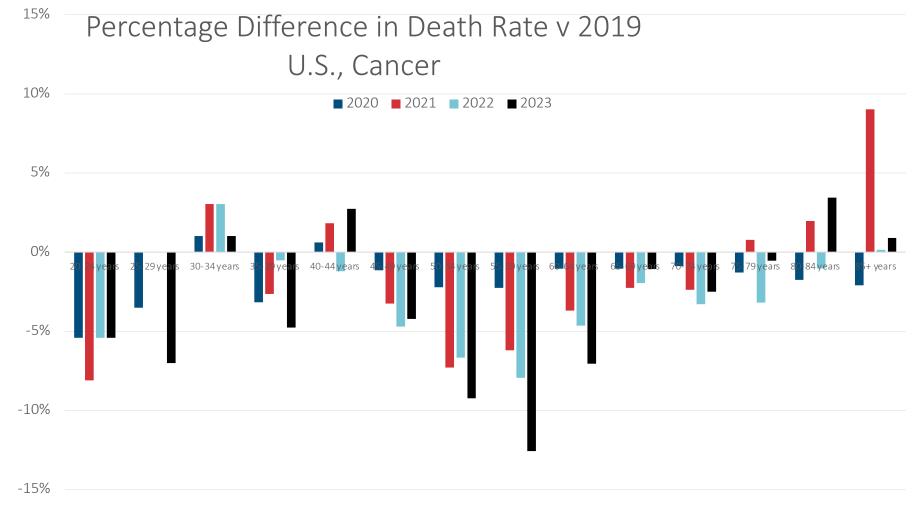
Table 5.8
EXCESS MORTALITY BY DETAILED AGE BAND

Age	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Apr. 2020 –Dec. 2022	COVID (%)	Non- COVID (%)	Count (%)
0-24	124%	104%	101%	119%	128%	112%	99%	104%	119%	108%	112%	2.8%	9.3%	2%
25-34	131%	120%	118%	132%	179%	137%	126%	121%	127%	123%	131%	9.9%	21.1%	2%
35-44	133%	127%	129%	134%	201%	158%	134%	123%	126%	134%	139%	17.2%	21.3%	4%
45-54	126%	129%	132%	119%	179%	151%	128%	107%	112%	123%	130%	19.9%	10.0%	9%
55-64	122%	129%	129%	114%	152%	139%	123%	100%	105%	116%	122%	17.4%	5.1%	18%
65-74	115%	132%	130%	108%	130%	124%	116%	95%	100%	104%	116%	14.0%	1.5%	17%
75-84	113%	133%	123%	105%	119%	122%	121%	102%	107%	107%	115%	11.3%	3.8%	20%
85+	103%	124%	111%	92%	105%	107%	105%	91%	93%	92%	103%	8.6%	-5.5%	27%
All Ages ^a	115%	128%	123%	107%	134%	126%	117%	99%	104%	107%	116%	13.0%	2.9%	100%

a. Includes only companies that provided Age splits; see second bullet at the beginning of Section 5.





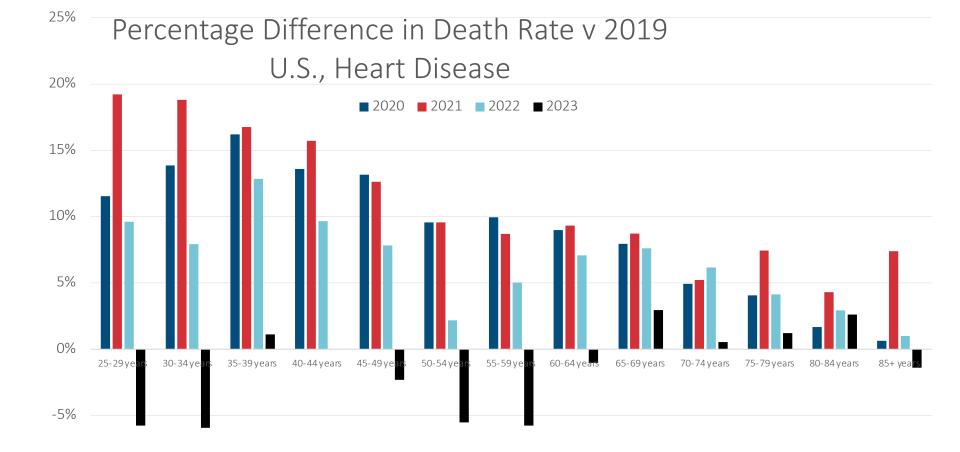


Cancer deaths, 15-44 years old

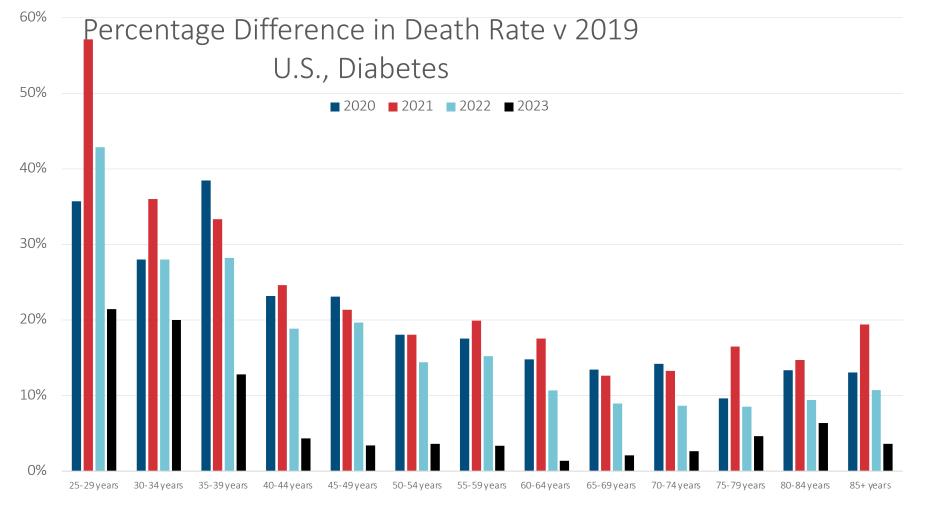
By Cancer Type	Percentage Change since 2019								
		N	lumber of De	eaths by Yea	r				
	2018	2019	2020	2021	2022	2023			
Breast	-6%		-9%	-4%	-5%	-6%			
Colon	4%		11%	16%	14%	17%			
Leukemia	2%		-4%	-4%	3%	-6%			
Lung	3%		1%	2%	1%	-2%			
C80 metastatic unspecified	6%		3%	3%	9%	14%			
Pancreas	-8%		-3%	4%	5%	-6%			
Liver	4%		-2%	3%	12%	8%			
Skin	6%		3%	-10%	-2%	5%			
Esophagus	-11%		-13%	-4%	-8%	-6%			
Testicular	-13%		-3%	6%	3%	13%			
Uterine	-7%		-7%	13%	3%	37%			
Prostate	4%		39%	-22%	-9%	-26%			
Total cancer	0%		0%	3%	4%	4%			

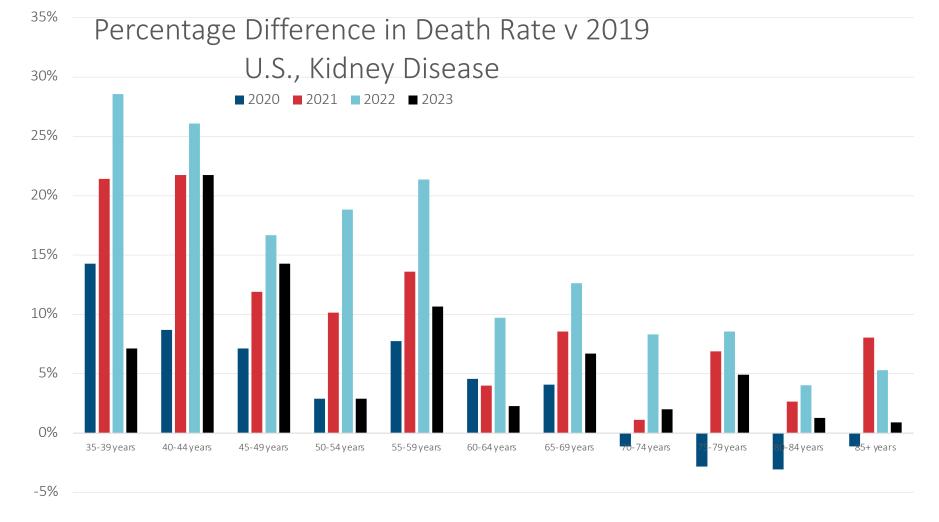
Cancer deaths, all ages

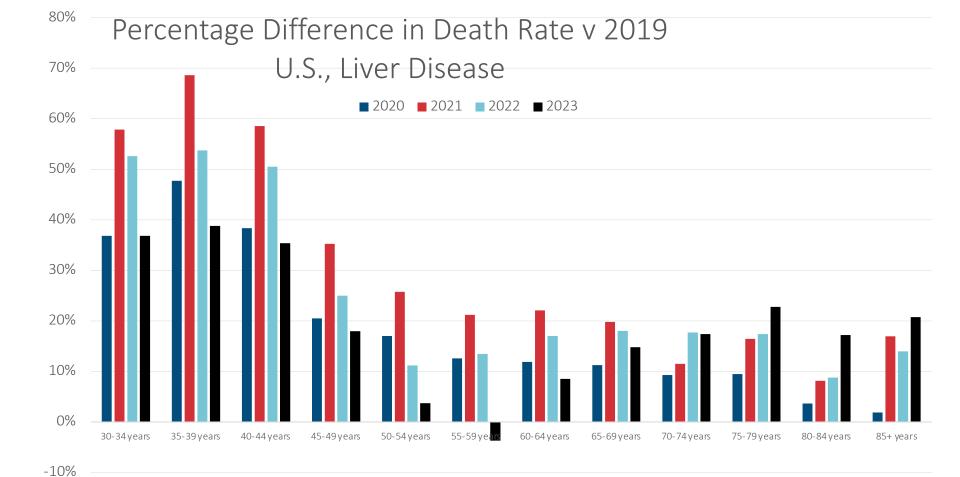
hange versus 2019									
	Number of Deaths by Year								
	2018	2019	2020	2021	2022 (provisional)	2023 (provisional)			
<1 year	-7%		-2%	-5%	-27%	-18%			
1-4 years	14%		8%	-1%	-7%	-7%			
5-14 years	9%		2%	3%	8%	9%			
15-24 years	-1%		-6%	-5%	2%	5%			
25-34 years	3%		0%	1%	2%	-2%			
35-44 years	-1%		0%	5%	4%	5%			
45-54 years	5%		-3%	-6%	-6%	-8%			
55-64 years	2%		-1%	-3%	-6%	-9%			
65-74 years	-1%		3%	5%	5%	5%			
75-84 years	-1%		1%	3%	7%	11%			
85+years	0%		-1%	-1%	-2%	-1%			
Grand Total	0%		0%	1%	1%	2%			



-10%







Mary Pat Campbell links

Substack

https://marypatcampbell.substack.com/

Mortality with Meep https://marypatcampbell.substack.com/s/mortality-with-meep

LinkedIn https://www.linkedin.com/in/marypatcampbell/



The Insurance Collaboration to Save Lives

is a non-profit led by volunteer insurance leaders ...on mission to save lives and mitigate loss ..with low-cost screening, testing, and triage for insureds ...to empower global insurers to save money & lives

Board of Directors

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 of Progressive
 - Actuary & L/H Ins. At Regulator forme
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- EVP & CFO
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- Insurance
 Entrepreneur
 & former II #1
 insurance
 equity analyst

Steering Committee

Actuaries, agents, analysts, data scientists, executives, technologists & underwriters as well as clinicians, researchers, MDs, MPH, RNs, and PhDs

Mortality is elevated

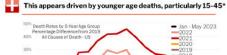
Working age mortality continues ~20% excess (age 15-45, CDC 2023)

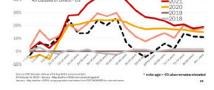
Morbidity is up too

 Disability is at all-time record levels in 2023 (BLS, 2023)

Many conditions elevated

- Major rise in heart, stroke, liver & kidney deaths (CDC, as of 2022)
- Similar findings in ICD diagnoses (INEK, 2022)





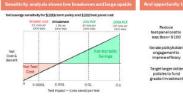




Our advisory team identified five risk profiles for intervention







https://www.insurancecollaborationtosavelives.org/



Insurance Collaboration to Save Lives

seek answers, save lives, mitigate loss