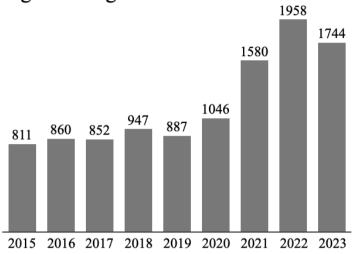
EXHIBIT F

Acute Renal Failure
(ARF)
also known as
Acute Kidney Injury
(AKI)

Calendar Years

N17 Involved Deaths Minnesota Ages: All ages

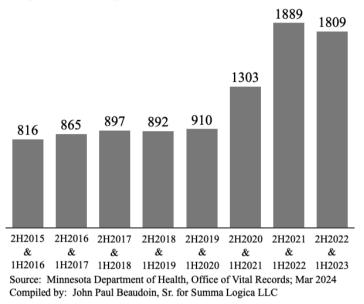


Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

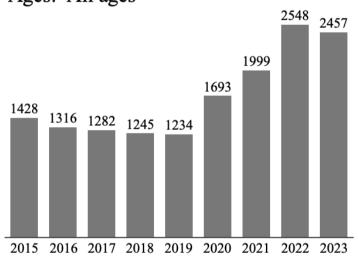
Fiscal Years

N17 Involved Deaths Minnesota





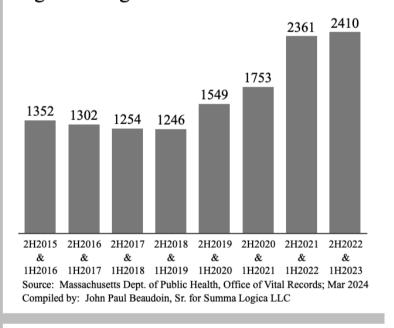
N17 Involved Deaths Massachusetts Ages: All ages



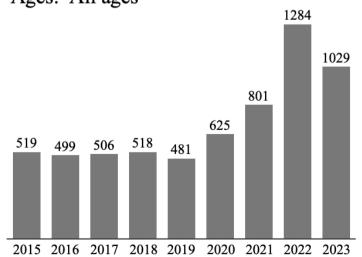
Source: Massachusetts Dept. of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths Massachusetts

Ages: All ages

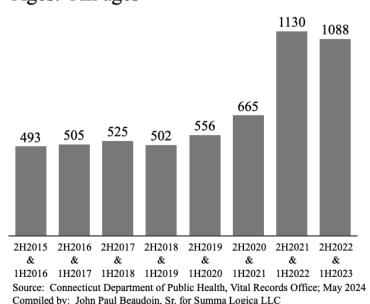


N17 Involved Deaths Connecticut Ages: All ages



Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

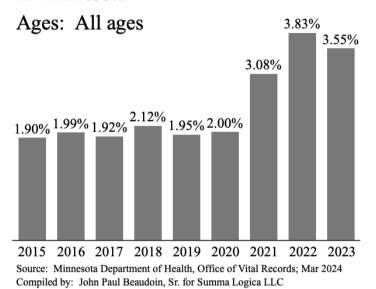
N17 Involved Deaths Connecticut Ages: All ages



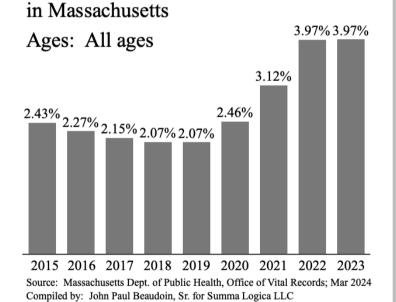
Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Calendar Years

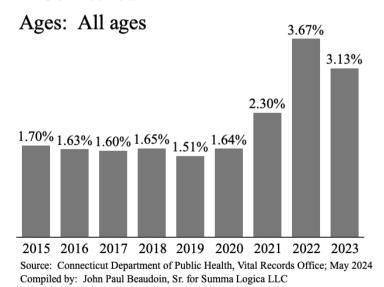
N17 Involved Deaths as % of All-Cause in Minnesota



N17 Involved Deaths as % of All-Cause

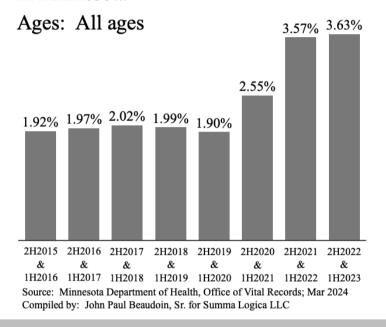


N17 Involved Deaths as % of All-Cause in Connecticut

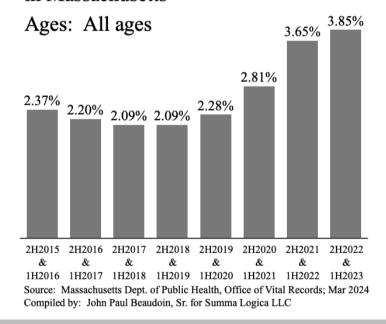


Fiscal Years

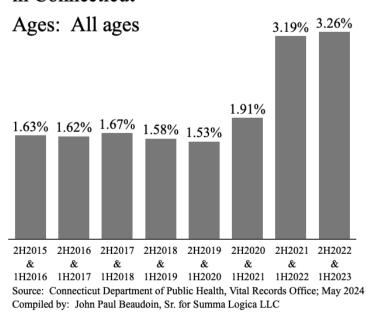
N17 Involved Deaths as % of All-Cause in Minnesota



N17 Involved Deaths as % of All-Cause in Massachusetts



N17 Involved Deaths as % of All-Cause in Connecticut



Excess Death Totals of Years 2020 thru 2023 by Cause and State

N17 Excess Calculation Minnesota	
Intercept	823.6
Slope	23.9
Average 5 yrs	871.4
2020 Expected	943.1
2021 Expected	967.0
2022 Expected	990.9
2023 Expected	1,014.8
2020 Excess	102.9
2021 Excess	613.0
2022 Excess	967.1
2023 Excess	729.2
Total	2,412.2

Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

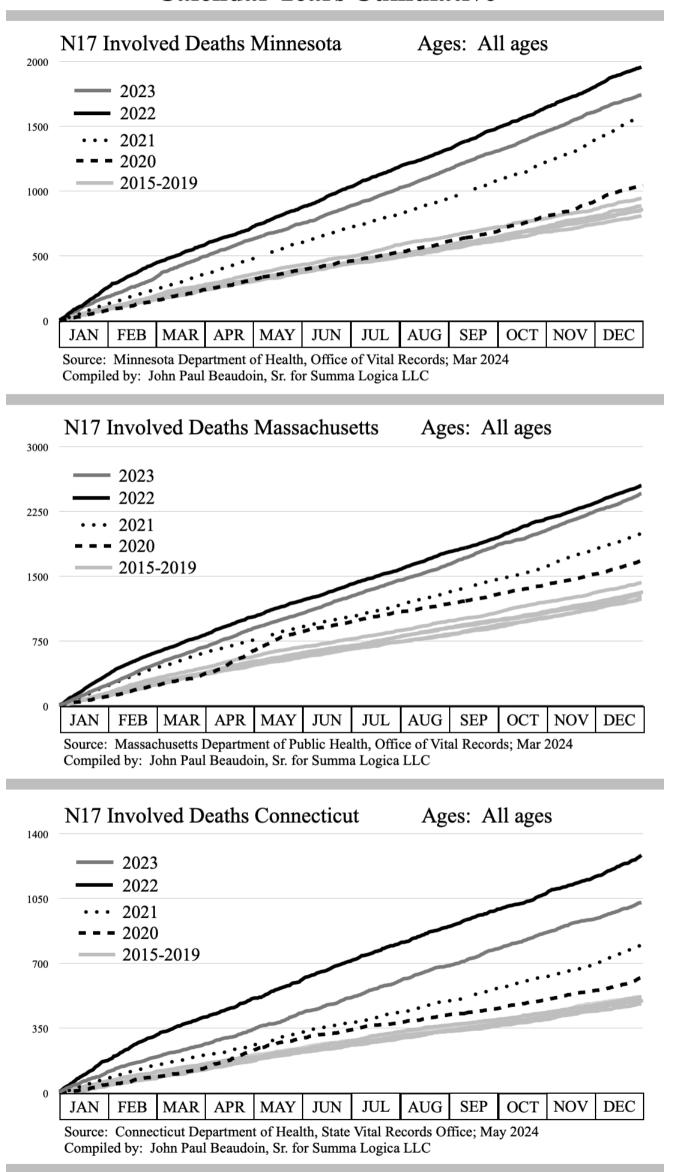
N17 Excess Calculation Massachusetts	
Intercept	1,392.8
Slope	(45.9)
Average 5 yrs	1,301.0
2020 Expected	1,163.3
2021 Expected	1,117.4
2022 Expected	1,071.5
2023 Expected	1,025.6
2020 Excess	392.0
2021 Excess	698.0
2022 Excess	1,247.0
2023 Excess	1,156.0
Total	3,493.0

Source: Massachusetts Department of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

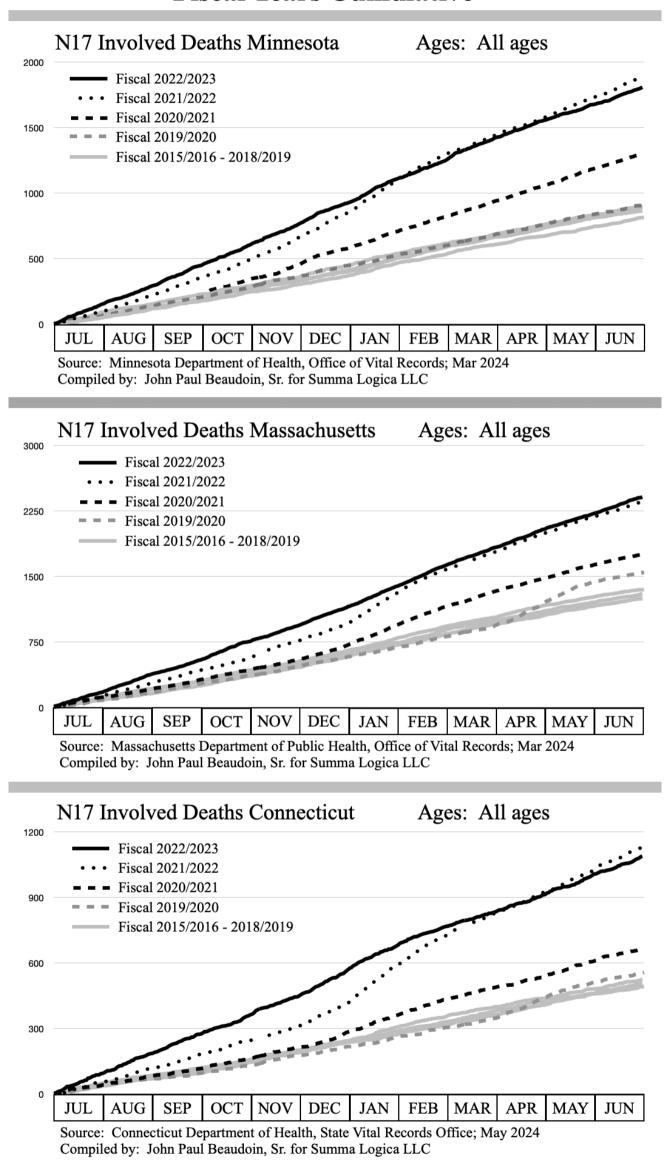
N17 Excess Calculation Connecticut	
Intercept	516.0
Slope	(5.7)
Average 5 yrs	504.6
2020 Expected	487.5
2021 Expected	481.8
2022 Expected	476.1
2023 Expected	470.4
2020 Excess	120.4
2021 Excess	296.4
2022 Excess	779.4
2023 Excess	524.4
Total	1,720.6

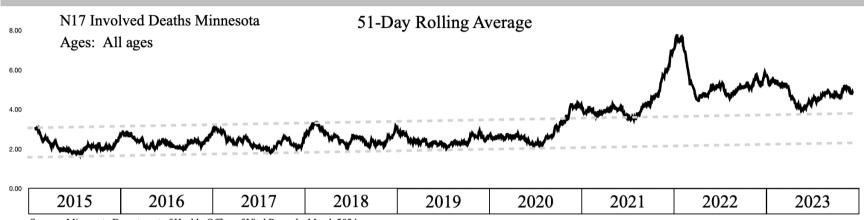
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Calendar Years Cumulative

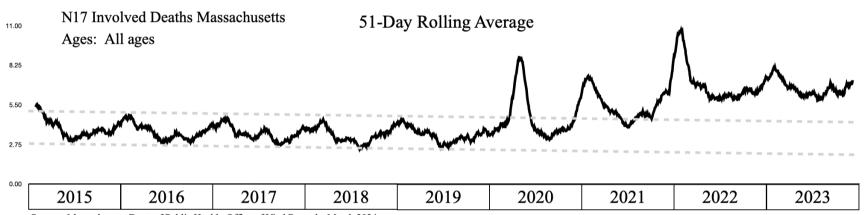


Fiscal Years Cumulative

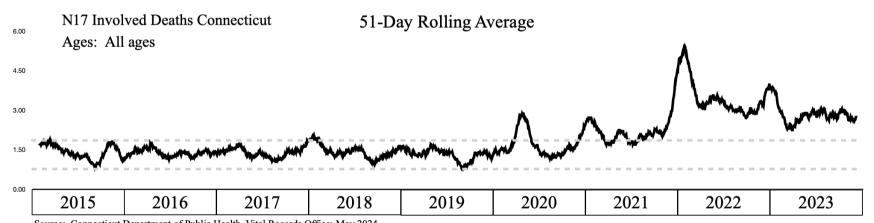




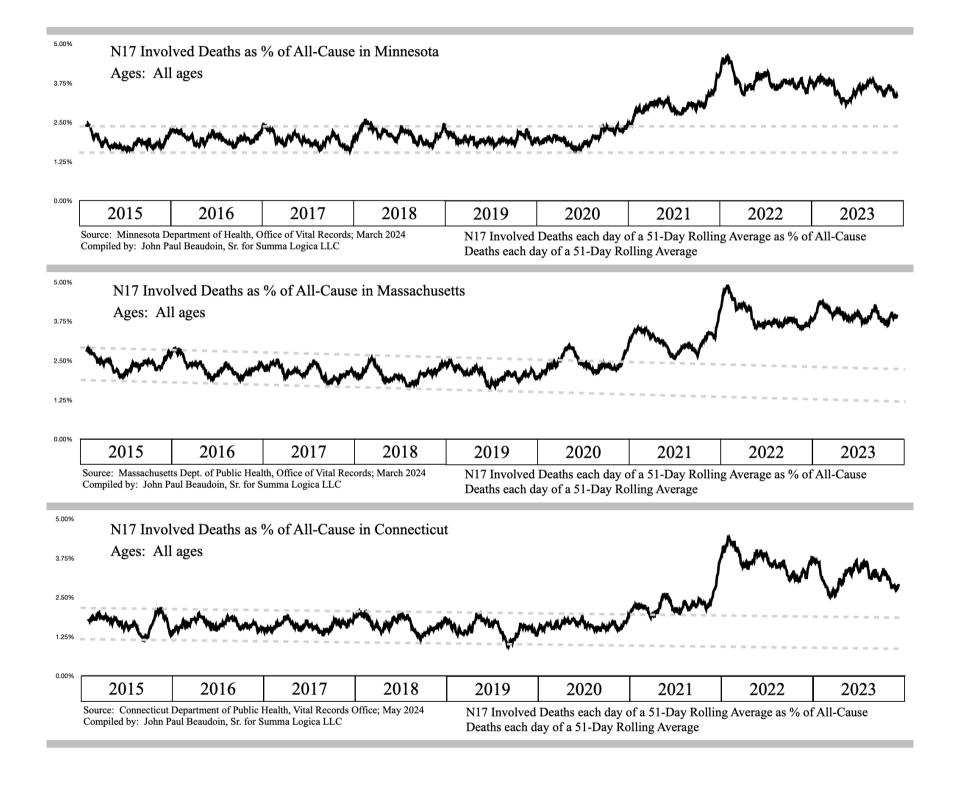
Source: Minnesota Department of Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Source: Massachusetts Dept. of Public Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

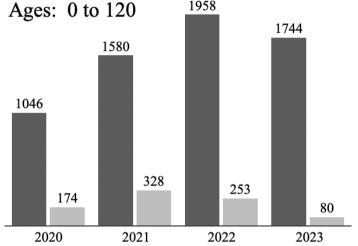


Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Calendar Years

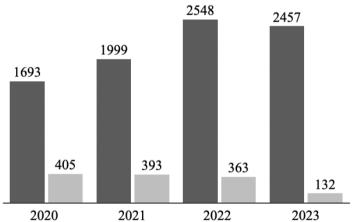
N17 Involved Deaths vs those also involving COVID-19 in Minnesota



Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths vs those also involving COVID-19 in Massachusetts

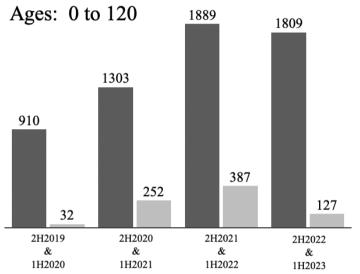
Ages: 0 to 120



Source: Massachusetts Dept. of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Fiscal Years

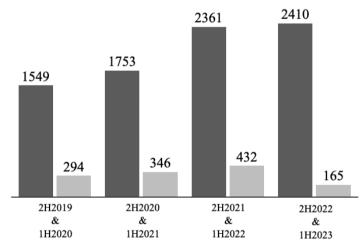
N17 Involved Deaths vs those also involving COVID-19 in Minnesota



Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

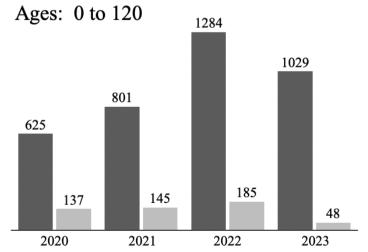
N17 Involved Deaths vs those also involving COVID-19 in Massachusetts

Ages: 0 to 120



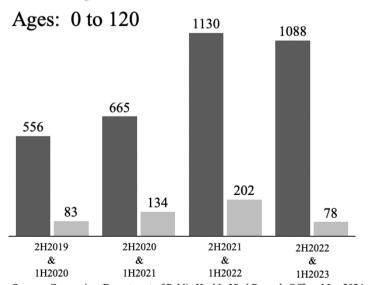
Source: Massachusetts Dept. of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths vs those also involving COVID-19 in Connecticut

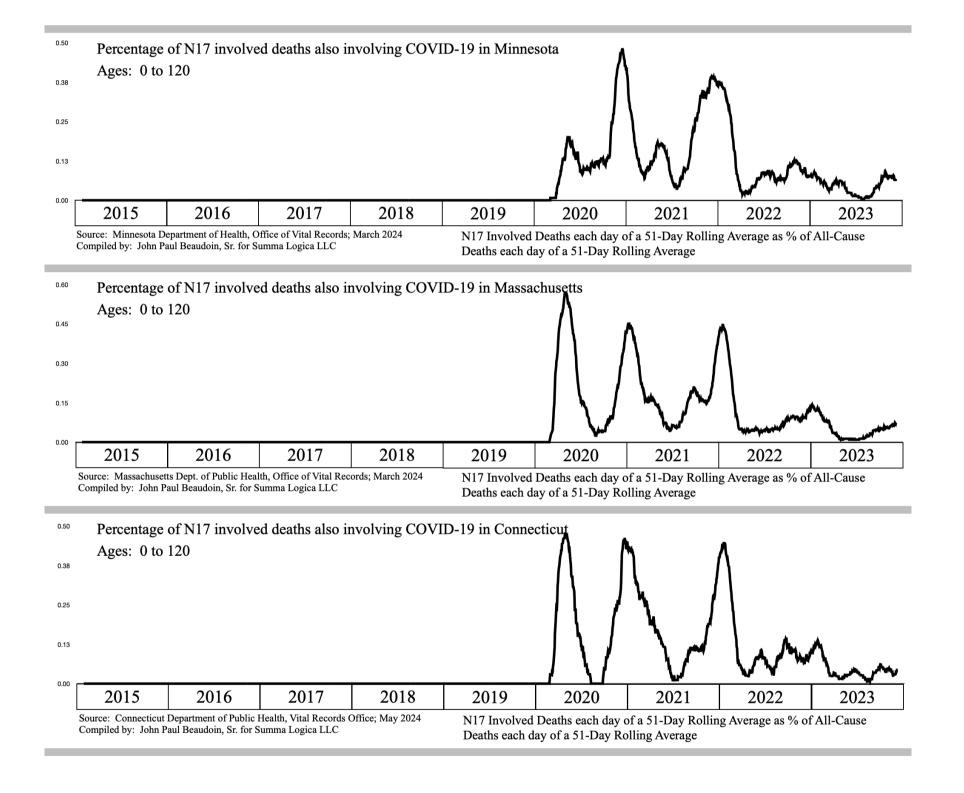


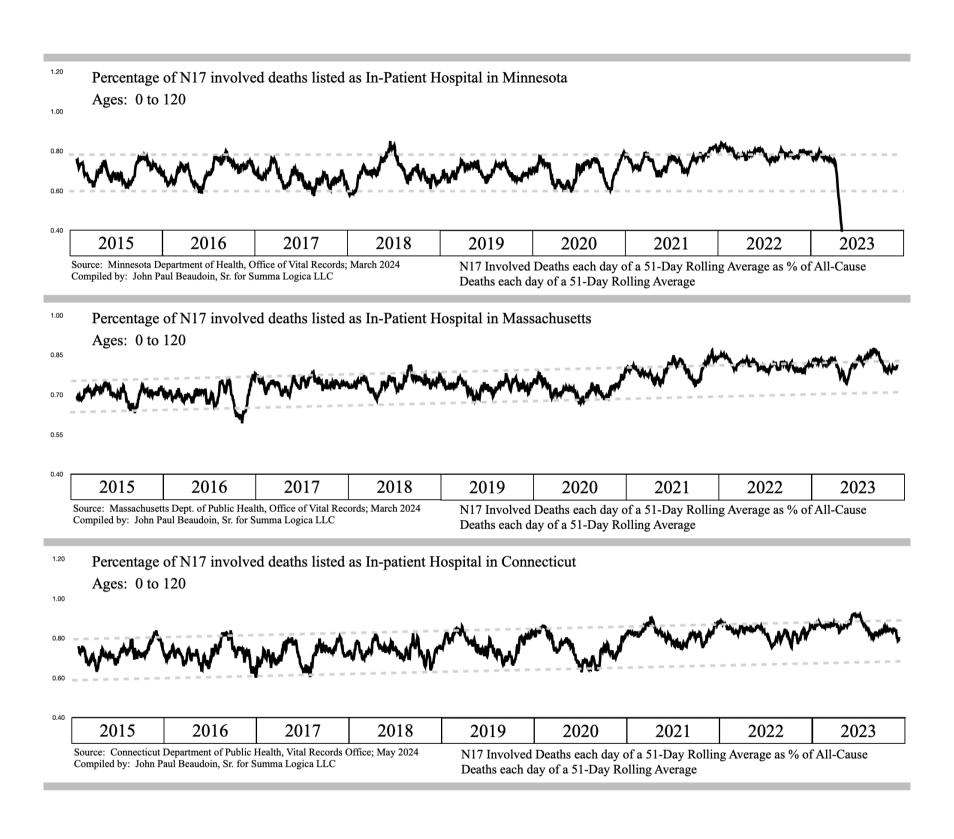
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths vs those also involving COVID-19 in Connecticut



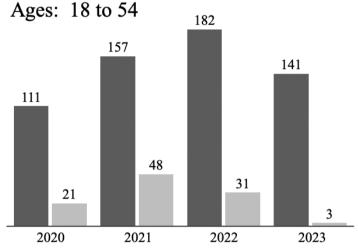
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC





Calendar Years

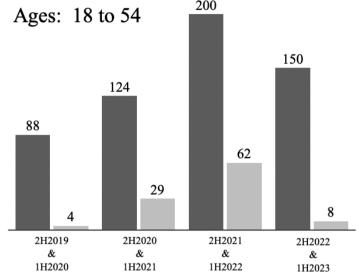
N17 Involved Deaths vs those also involving COVID-19 in Minnesota



Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

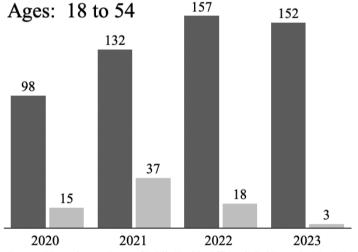
Fiscal Years

N17 Involved Deaths vs those also involving COVID-19 in Minnesota



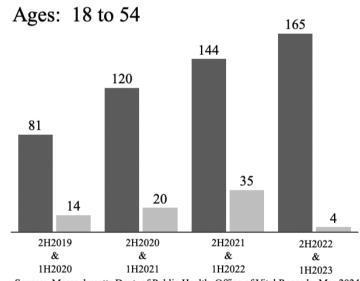
Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths vs those also involving COVID-19 in Massachusetts



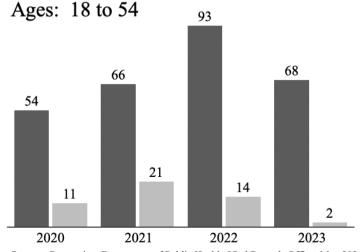
Source: Massachusetts Dept. of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths vs those also involving COVID-19 in Massachusetts



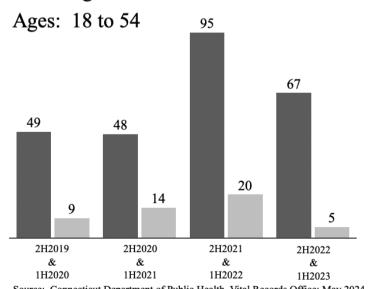
Source: Massachusetts Dept. of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths vs those also involving COVID-19 in Connecticut

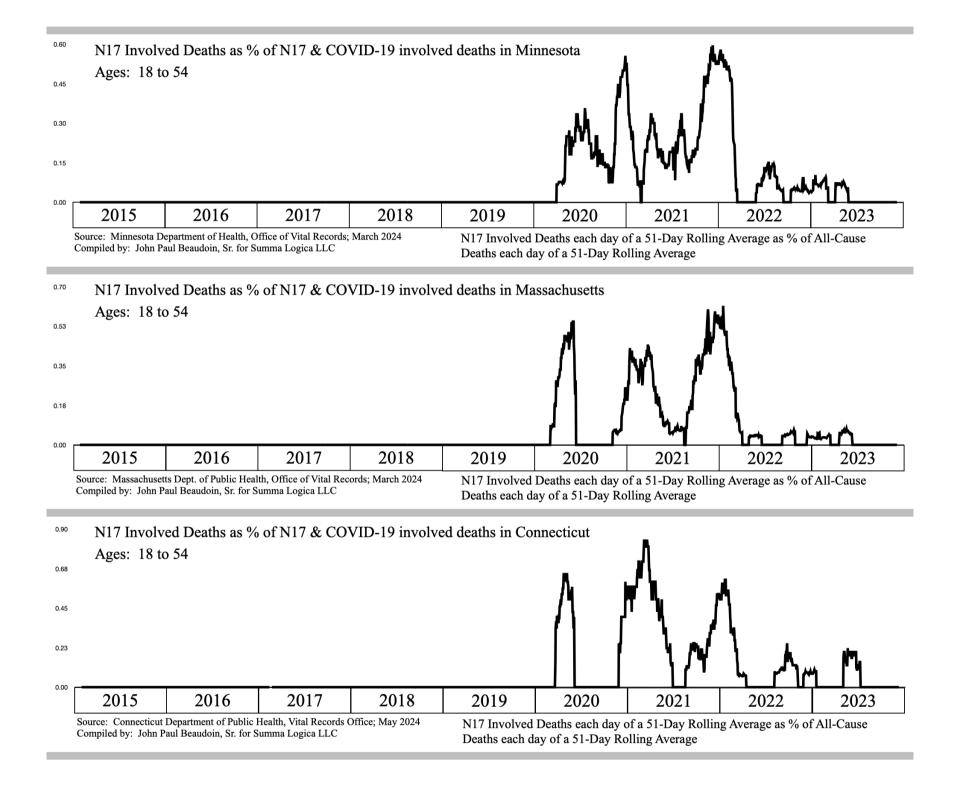


Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths vs those also involving COVID-19 in Connecticut



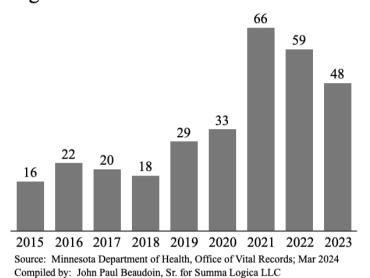
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Calendar Years

N17 Involved Deaths Minnesota

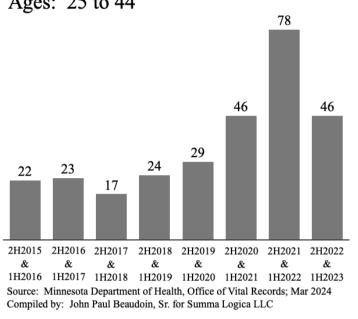
Ages: 25 to 44



Fiscal Years

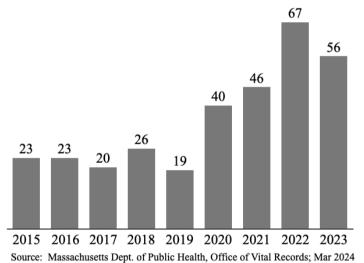
N17 Involved Deaths Minnesota

Ages: 25 to 44



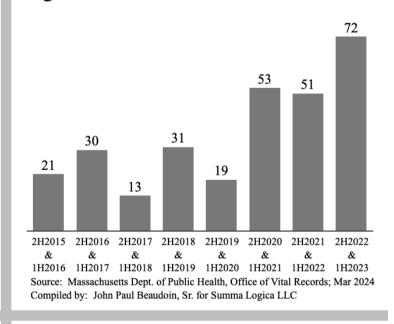
N17 Involved Deaths Massachusetts

Ages: 25 to 44



N17 Involved Deaths Massachusetts

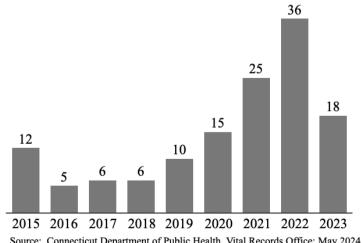
Ages: 25 to 44



N17 Involved Deaths Connecticut

Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

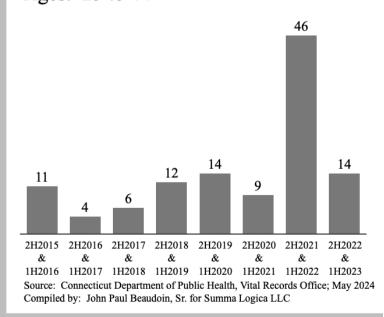
Ages: 25 to 44



Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

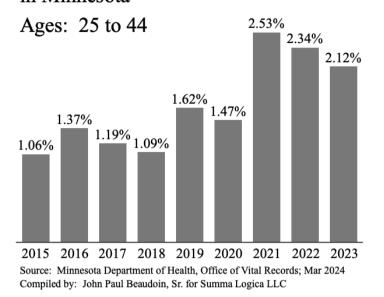
N17 Involved Deaths Connecticut

Ages: 25 to 44

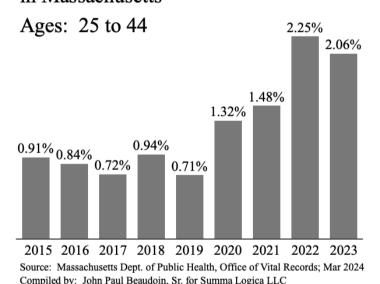


Calendar Years

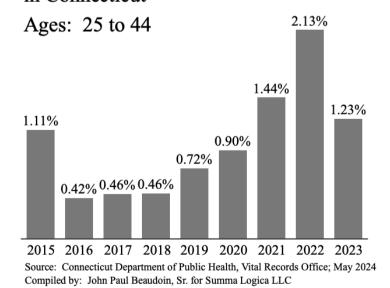
N17 Involved Deaths as % of All-Cause in Minnesota



N17 Involved Deaths as % of All-Cause in Massachusetts

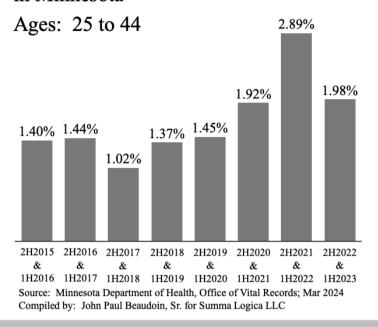


N17 Involved Deaths as % of All-Cause in Connecticut



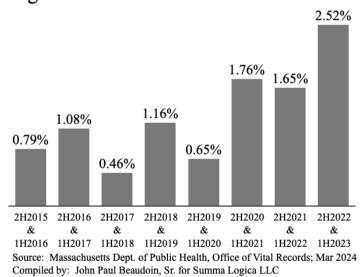
Fiscal Years

N17 Involved Deaths as % of All-Cause in Minnesota



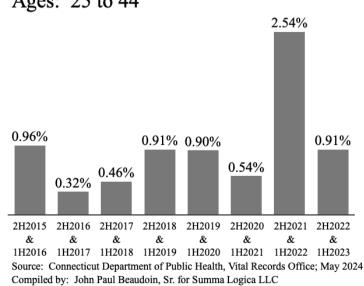
N17 Involved Deaths as % of All-Cause in Massachusetts

Ages: 25 to 44



N17 Involved Deaths as % of All-Cause in Connecticut

Ages: 25 to 44



Excess Death Totals of Years 2020 thru 2023 by Cause and State

N17 Excess Calculation Ages 25 to 44 Minnesota	
Intercept	16.6
Slope	2.2
Average 5 yrs	21.0
2020 Expected	27.6
2021 Expected	29.8
2022 Expected	32.0
2023 Expected	34.2
2020 Excess	5.4
2021 Excess	36.2
2022 Excess	27.0
2023 Excess	13.8
Total	82.4

Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

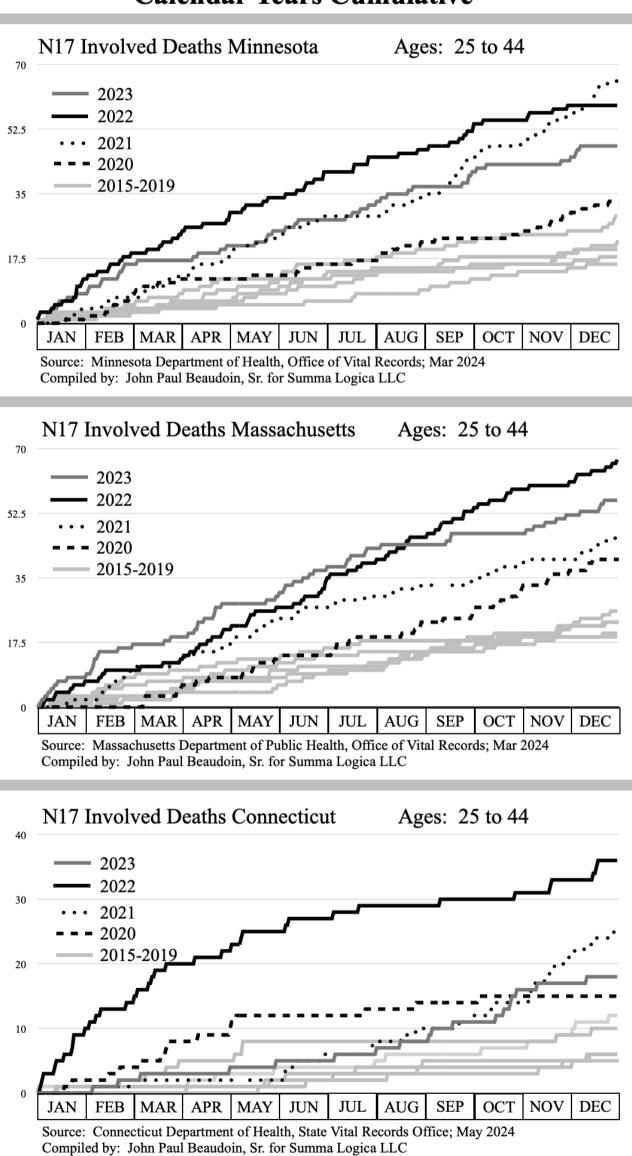
N17 Excess Calculation Ages 25 to 44 Massachusetts	
Intercept	23.2
Slope	(0.5)
Average 5 yrs	22.2
2020 Expected	20.7
2021 Expected	20.2
2022 Expected	19.7
2023 Expected	19.2
2020 Excess	17.8
2021 Excess	23.8
2022 Excess	44.8
2023 Excess	33.8
Total	120.2

Source: Massachusetts Department of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

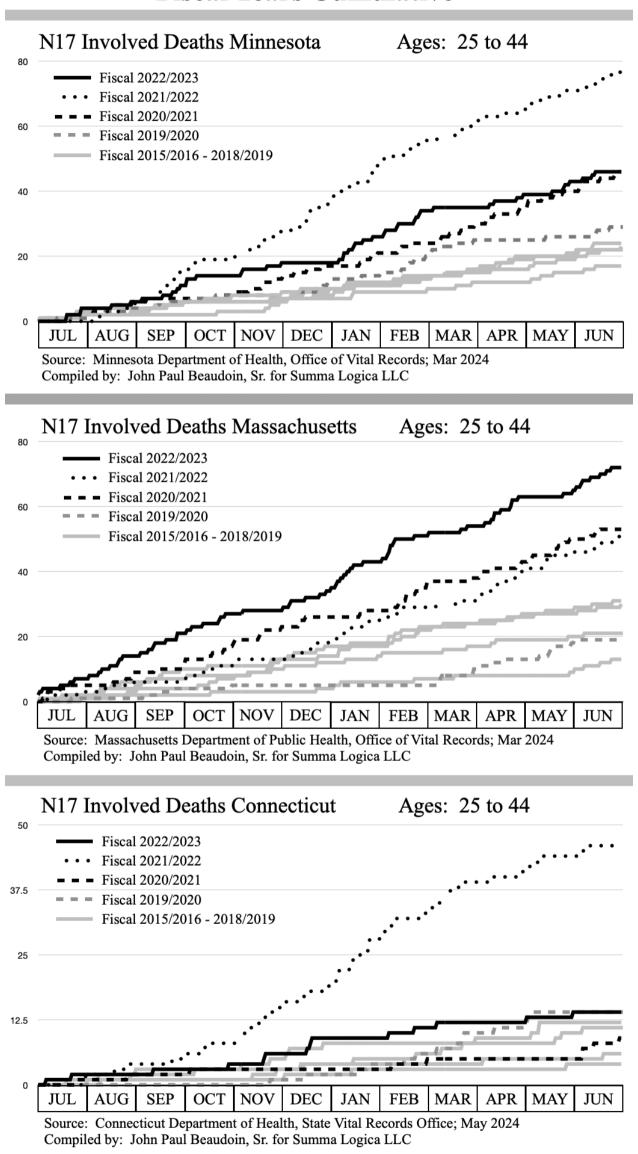
N17 Excess Calculation Ages 25 to 44 Connecticut	
Intercept	8.4
Slope	(0.3)
Average 5 yrs	7.8
2020 Expected	6.9
2021 Expected	6.6
2022 Expected	6.3
2023 Expected	6.0
2020 Excess	7.2
2021 Excess	17.2
2022 Excess	28.2
2023 Excess	10.2
Total	62.8

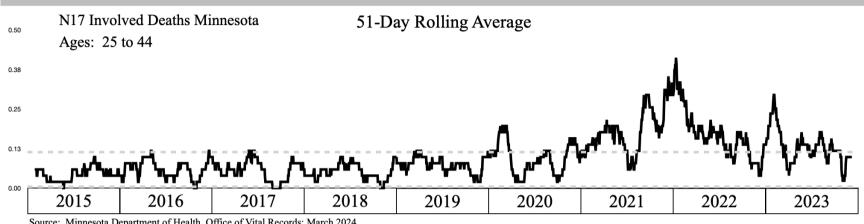
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Calendar Years Cumulative

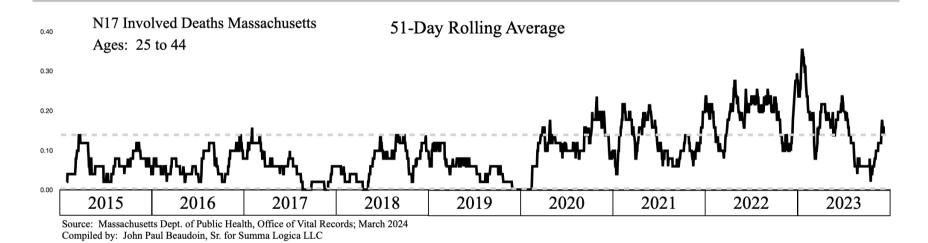


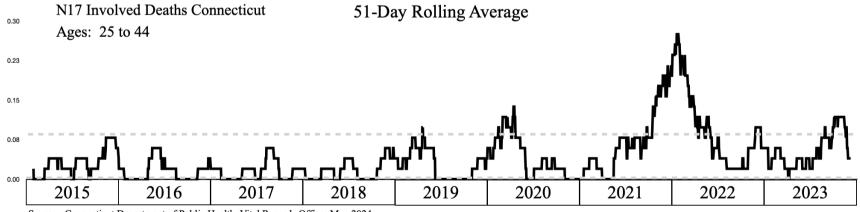
Fiscal Years Cumulative



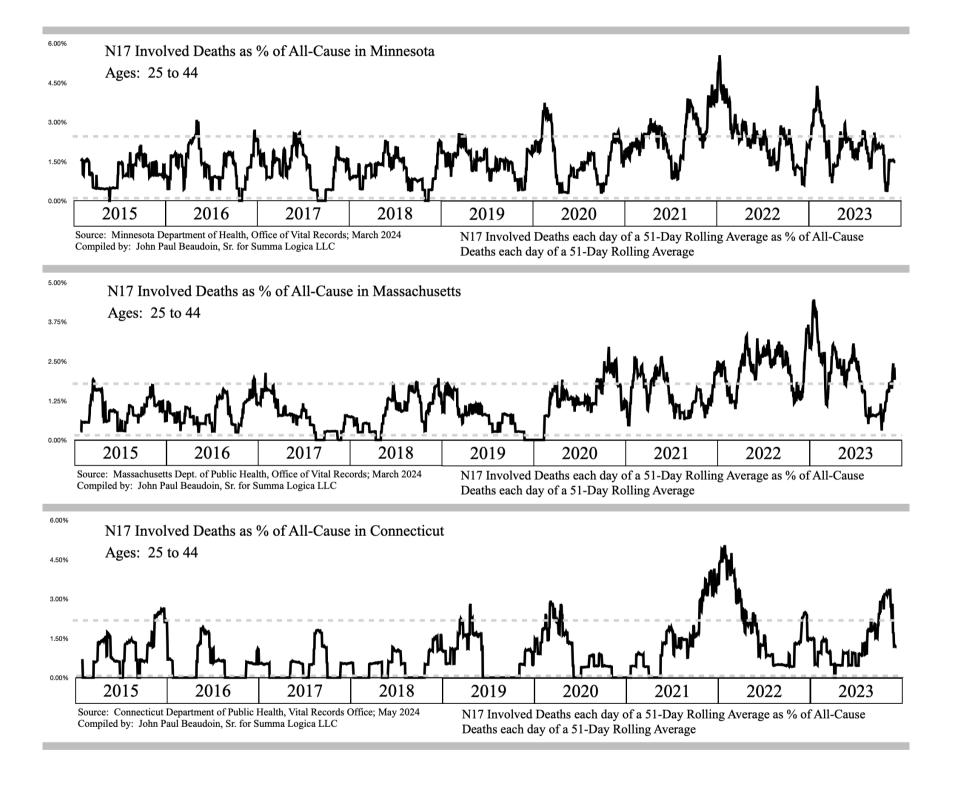


Source: Minnesota Department of Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



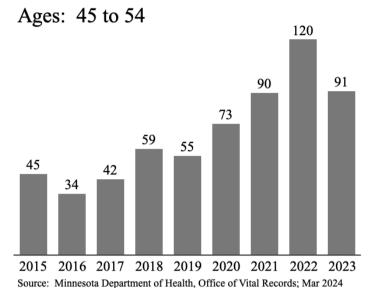


Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



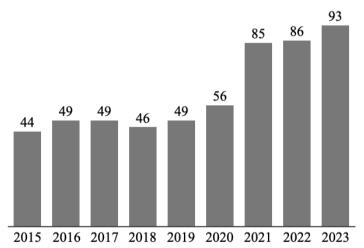
Calendar Years

N17 Involved Deaths Minnesota



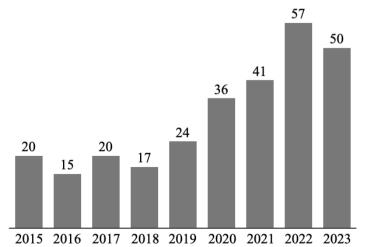
Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths Massachusetts Ages: 45 to 54



Source: Massachusetts Dept. of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

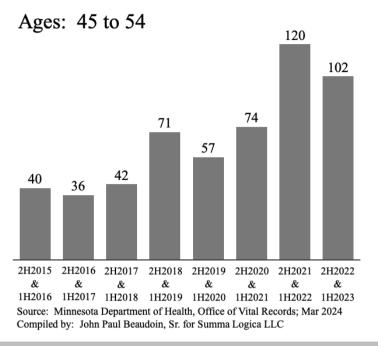
N17 Involved Deaths Connecticut Ages: 45 to 54



Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

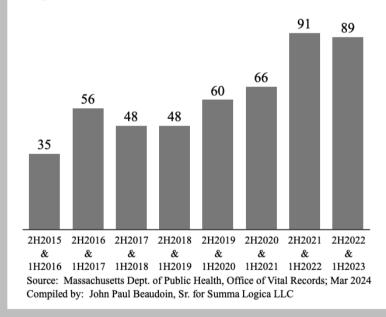
Fiscal Years

N17 Involved Deaths Minnesota



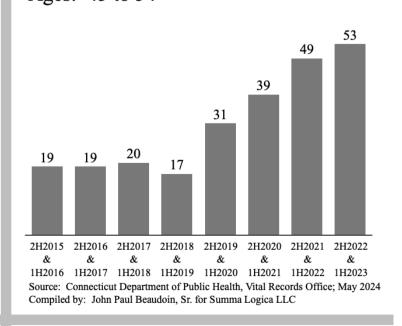
N17 Involved Deaths Massachusetts

Ages: 45 to 54



N17 Involved Deaths Connecticut

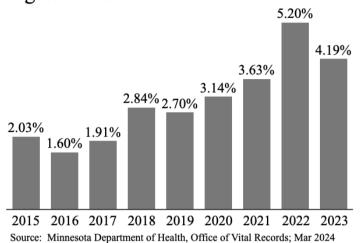
Ages: 45 to 54



Calendar Years

N17 Involved Deaths as % of All-Cause in Minnesota

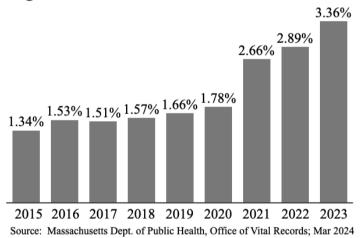
Ages: 45 to 54



N17 Involved Deaths as % of All-Cause in Massachusetts

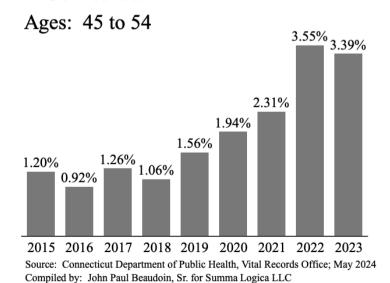
Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Ages: 45 to 54



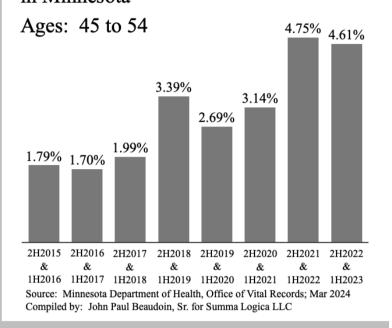
N17 Involved Deaths as % of All-Cause in Connecticut

Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



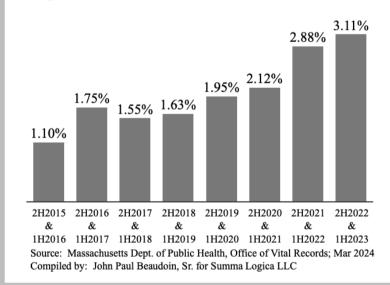
Fiscal Years

N17 Involved Deaths as % of All-Cause in Minnesota

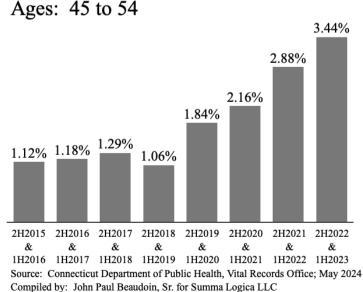


N17 Involved Deaths as % of All-Cause in Massachusetts

Ages: 45 to 54



N17 Involved Deaths as % of All-Cause in Connecticut



Excess Death Totals of Years 2020 thru 2023 by Cause and State

N17 Excess Calculation Ages 45 to 54 Minnesota	
Intercept	38.0
Slope	4.5
Average 5 yrs	47.0
2020 Expected	60.5
2021 Expected	65.0
2022 Expected	69.5
2023 Expected	74.0
2020 Excess	12.5
2021 Excess	25.0
2022 Excess	50.5
2023 Excess	17.0
Total	105.0

Source: Minnesota Department of Health, Office
of Vital Records; Mar 2024
Compiled by: John Paul Beaudoin, Sr. for
Summa Logica LLC

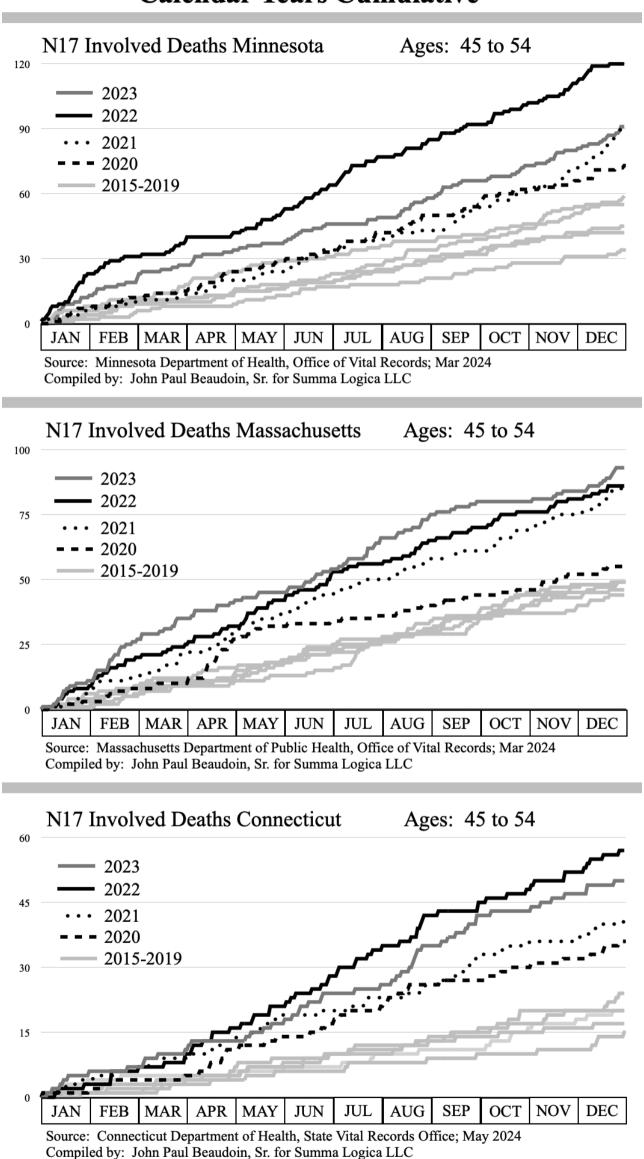
N17 Excess Calculation Ages 45 to 54 Massachusetts	
Intercept	46.0
Slope	0.7
Average 5 yrs	47.4
2020 Expected	49.5
2021 Expected	50.2
2022 Expected	50.9
2023 Expected	51.6
2020 Excess	6.5
2021 Excess	34.8
2022 Excess	35.1
2023 Excess	41.4
Total	117.8

Source: Massachusetts Department of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

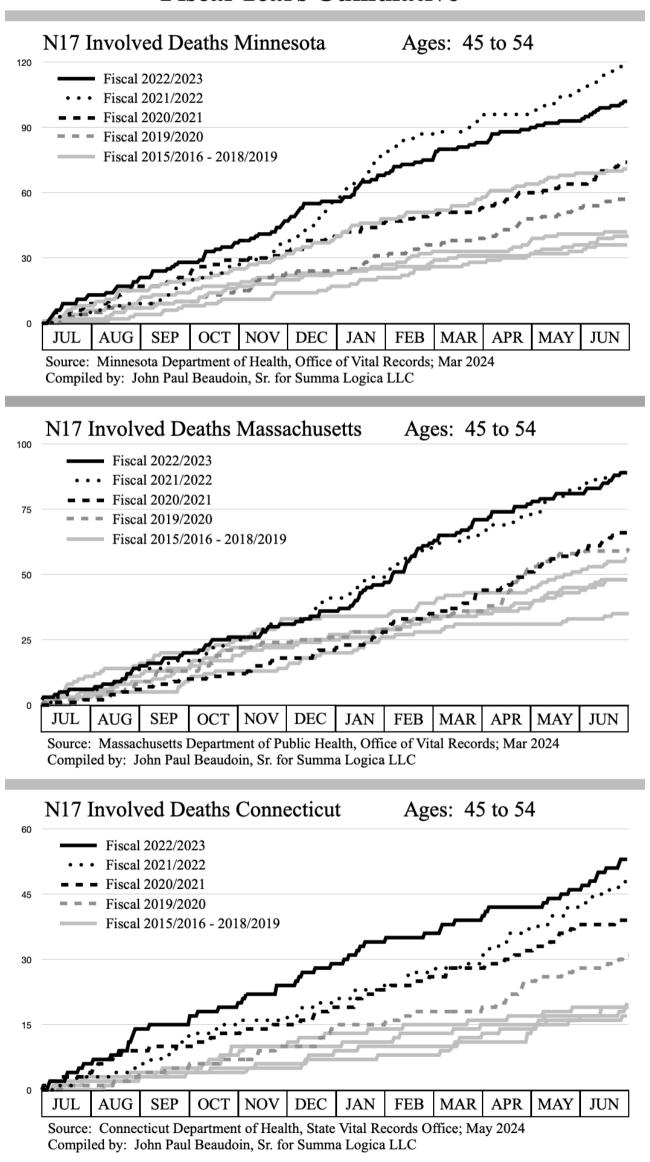
N17 Excess Calculation Ages 45 to 54 Connecticut	
Intercept	17.2
Slope	1.0
Average 5 yrs	19.2
2020 Expected	22.2
2021 Expected	23.2
2022 Expected	24.2
2023 Expected	25.2
2020 Excess	13.8
2021 Excess	17.8
2022 Excess	32.8
2023 Excess	24.8
Total	89.2

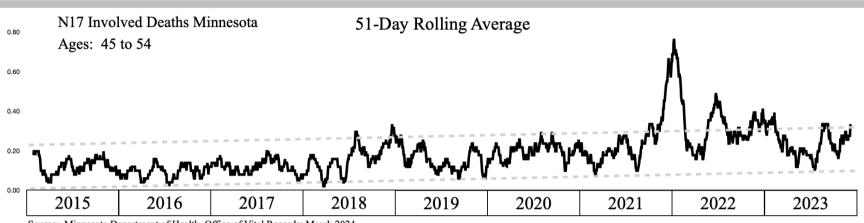
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Calendar Years Cumulative

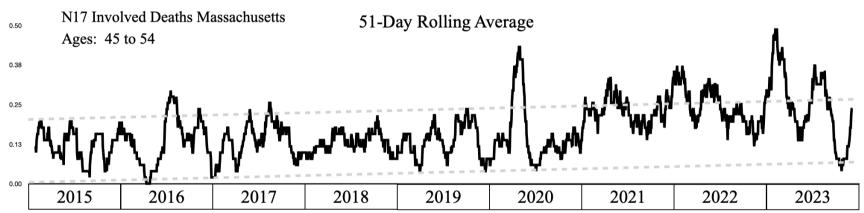


Fiscal Years Cumulative

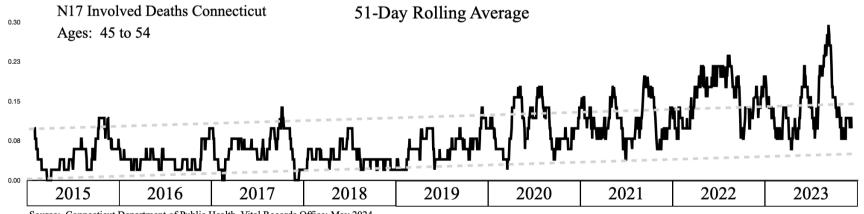




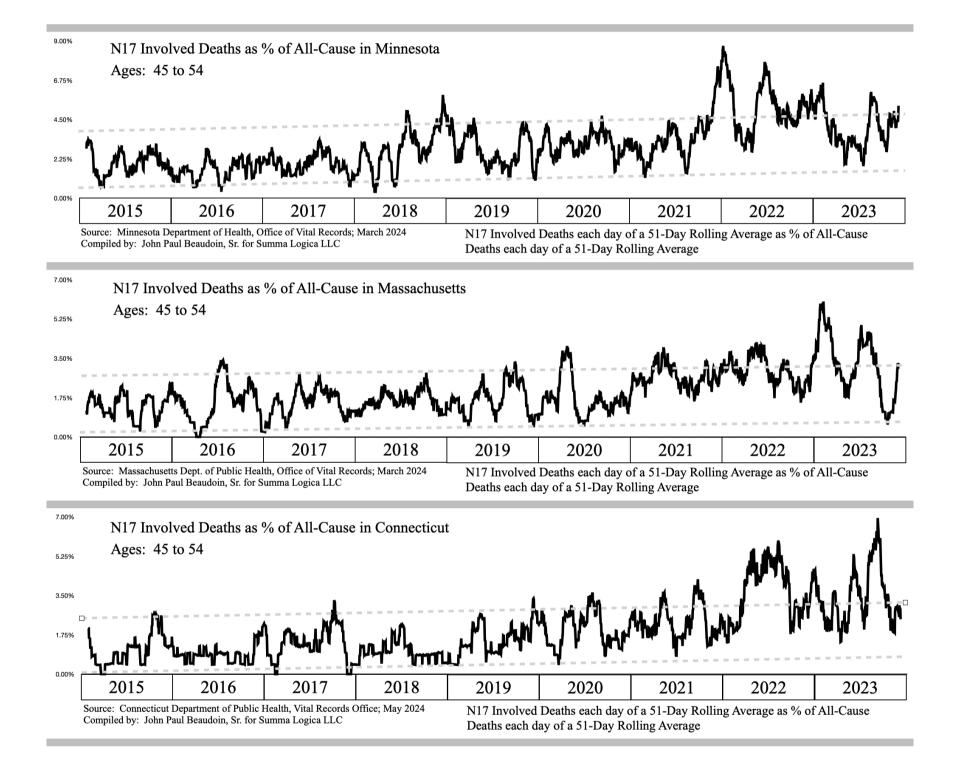
Source: Minnesota Department of Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Source: Massachusetts Dept. of Public Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

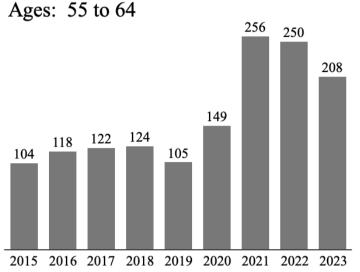


Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



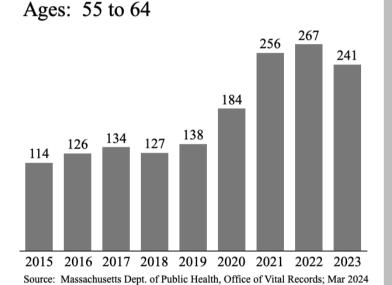
Calendar Years

N17 Involved Deaths Minnesota



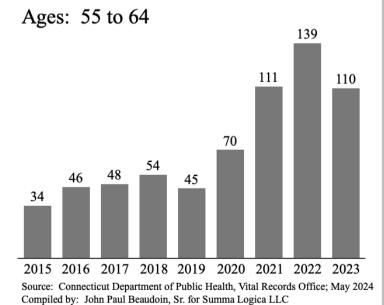
Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths Massachusetts



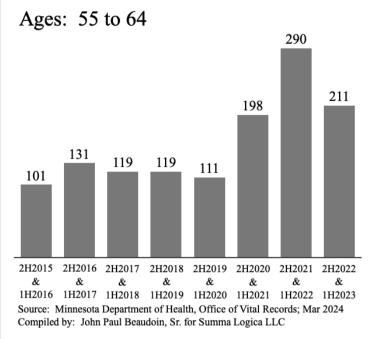
N17 Involved Deaths Connecticut

Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



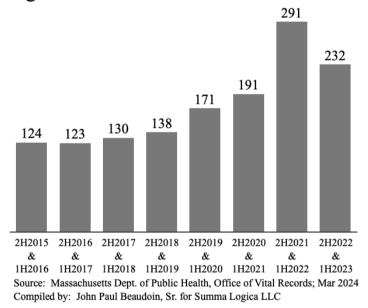
Fiscal Years

N17 Involved Deaths Minnesota

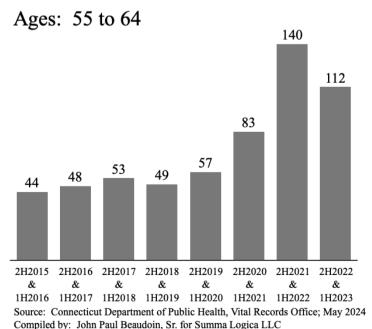


N17 Involved Deaths Massachusetts

Ages: 55 to 64



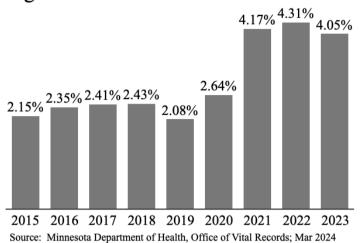
N17 Involved Deaths Connecticut



Calendar Years

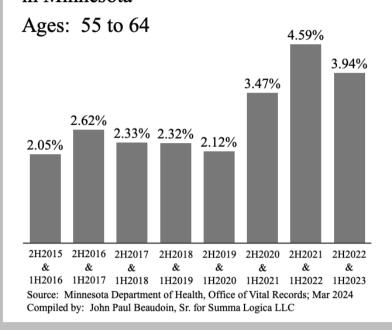
N17 Involved Deaths as % of All-Cause in Minnesota

Ages: 55 to 64



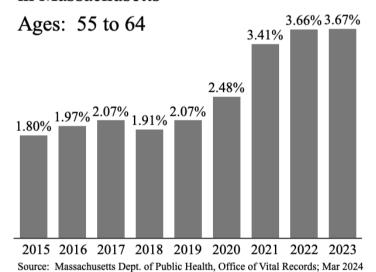
Fiscal Years

N17 Involved Deaths as % of All-Cause in Minnesota

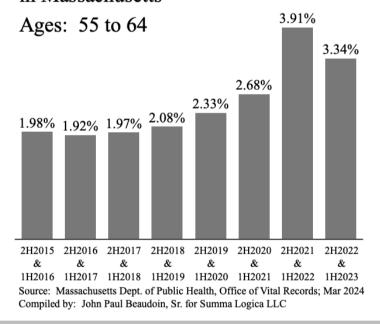


N17 Involved Deaths as % of All-Cause in Massachusetts

Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

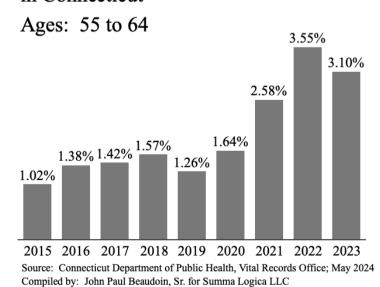


N17 Involved Deaths as % of All-Cause in Massachusetts



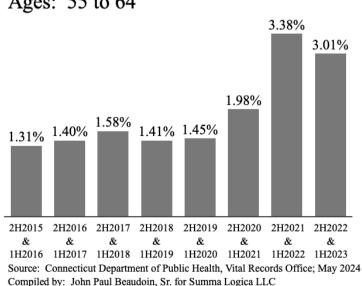
N17 Involved Deaths as % of All-Cause in Connecticut

Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



N17 Involved Deaths as % of All-Cause in Connecticut

Ages: 55 to 64



Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Excess Death Totals of Years 2020 thru 2023 by Cause and State

N17 Excess Calculation Ages 55 to 64 Minnesota	
Intercept	113.0
Slope	0.8
Average 5 yrs	114.6
2020 Expected	117.0
2021 Expected	117.8
2022 Expected	118.6
2023 Expected	119.4
2020 Excess	32.0
2021 Excess	138.2
2022 Excess	131.4
2023 Excess	88.6
Total	390.2

Source: Minnesota Department of Health, Office
of Vital Records; Mar 2024
Compiled by: John Paul Beaudoin, Sr. for
Summa Logica LLC

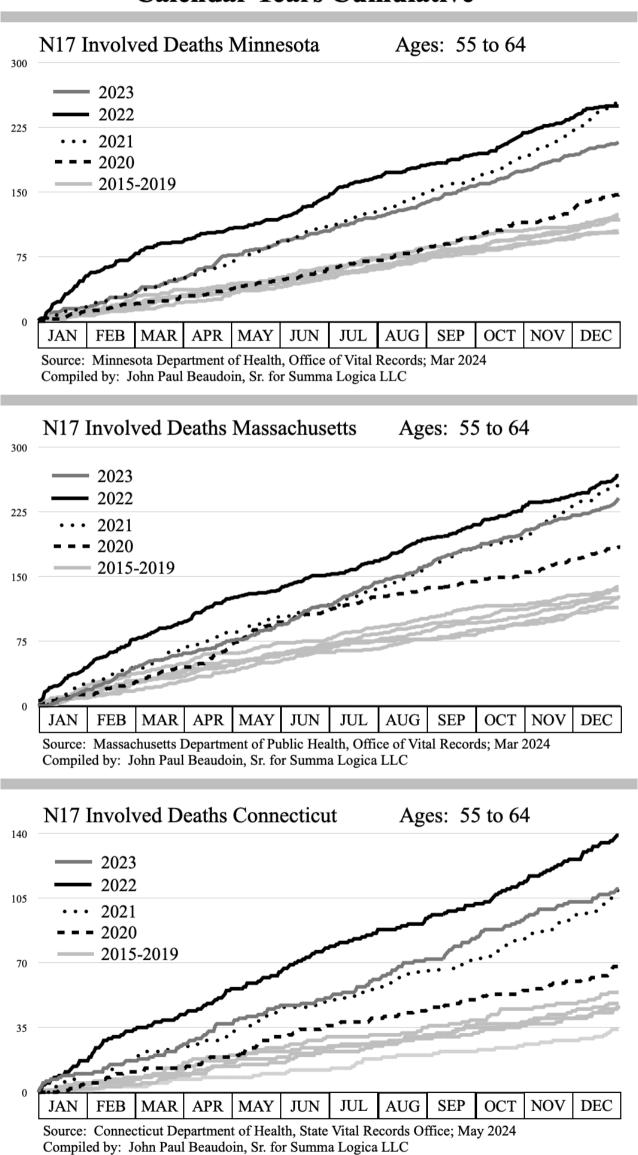
N17 Excess Calculation Ages 55 to 64 Massachusetts	
Intercept	118.0
Slope	4.9
Average 5 yrs	127.8
2020 Expected	142.5
2021 Expected	147.4
2022 Expected	152.3
2023 Expected	157.2
2020 Excess	41.5
2021 Excess	108.6
2022 Excess	114.7
2023 Excess	83.8
Total	348.6

Source: Massachusetts Department of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

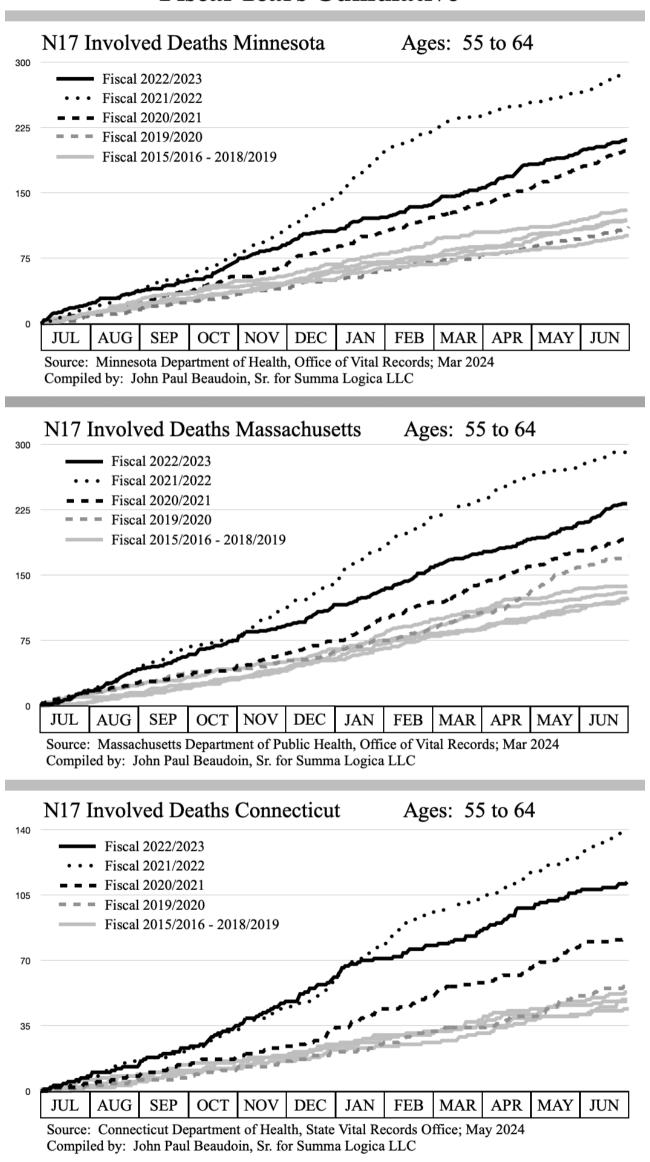
N17 Excess Calculation Ages 55 to 64 Connecticut	
Intercept	39.4
Slope	3.0
Average 5 yrs	45.4
2020 Expected	54.4
2021 Expected	57.4
2022 Expected	60.4
2023 Expected	63.4
2020 Excess	15.6
2021 Excess	53.6
2022 Excess	78.6
2023 Excess	46.6
Total	194.4

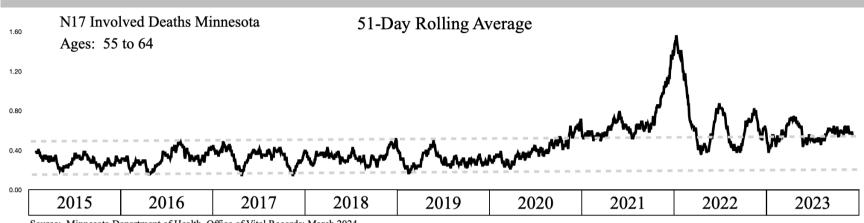
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Calendar Years Cumulative

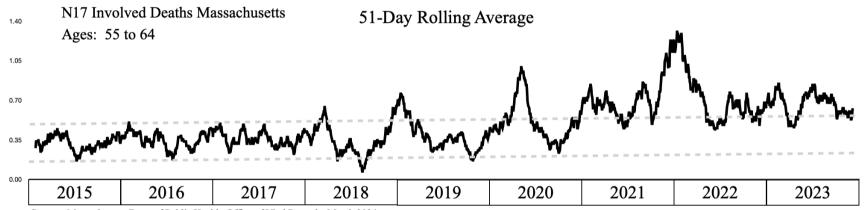


Fiscal Years Cumulative

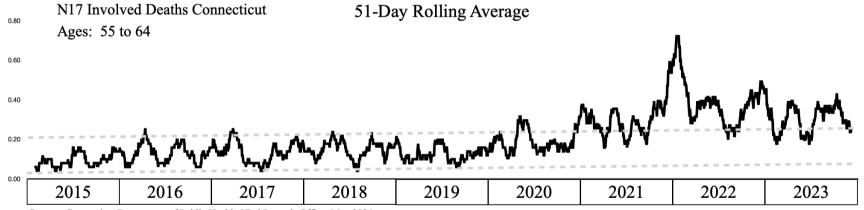




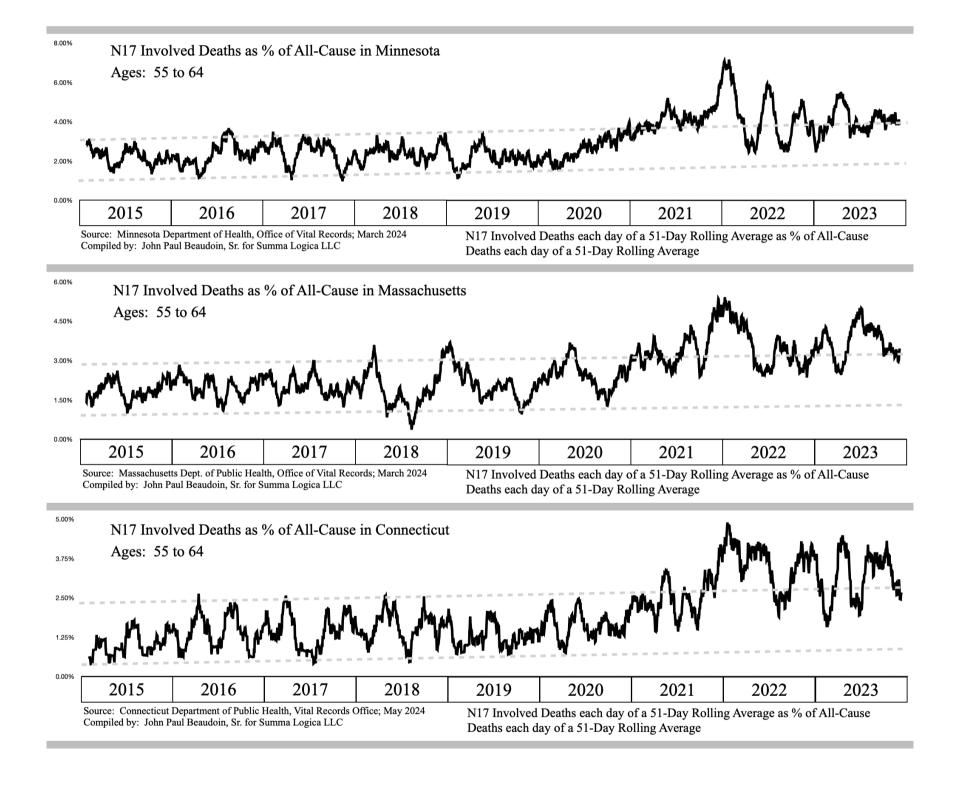
Source: Minnesota Department of Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Source: Massachusetts Dept. of Public Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



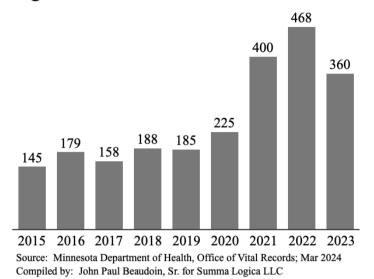
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Calendar Years

N17 Involved Deaths Minnesota

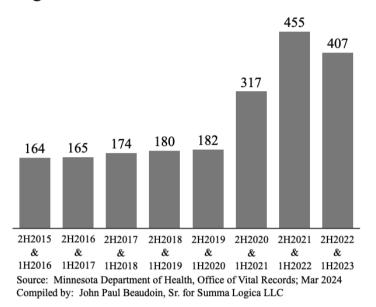
Ages: 65 to 74



Fiscal Years

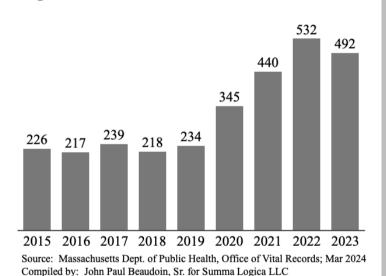
N17 Involved Deaths Minnesota

Ages: 65 to 74



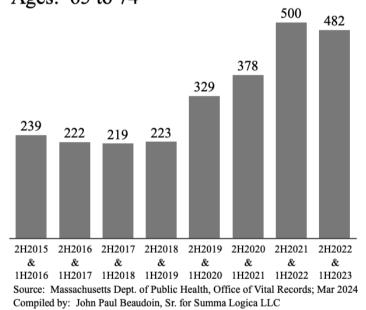
N17 Involved Deaths Massachusetts

Ages: 65 to 74



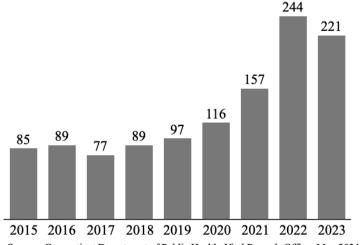
N17 Involved Deaths Massachusetts

Ages: 65 to 74



N17 Involved Deaths Connecticut

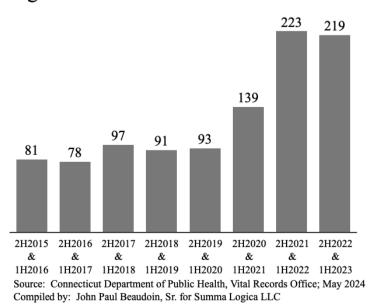
Ages: 65 to 74



Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

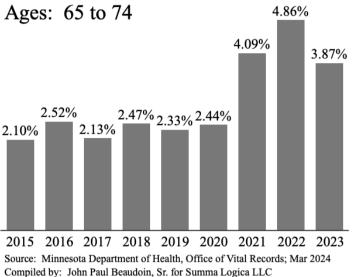
N17 Involved Deaths Connecticut

Ages: 65 to 74



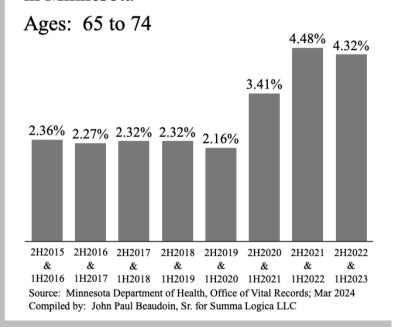
Calendar Years

N17 Involved Deaths as % of All-Cause in Minnesota

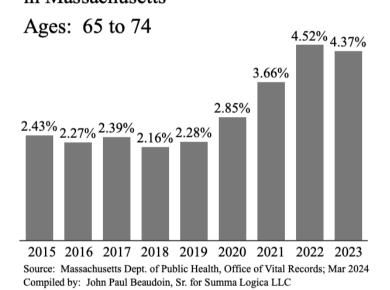


Fiscal Years

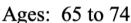
N17 Involved Deaths as % of All-Cause in Minnesota

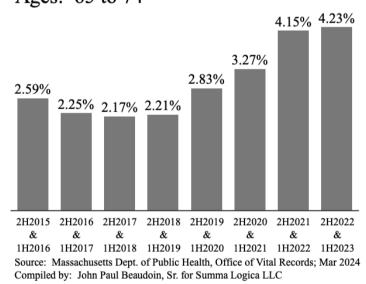


N17 Involved Deaths as % of All-Cause in Massachusetts

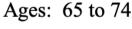


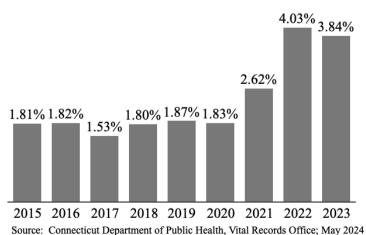
N17 Involved Deaths as % of All-Cause in Massachusetts





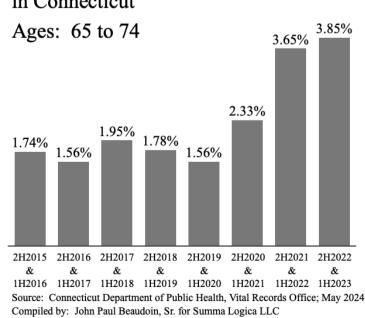
N17 Involved Deaths as % of All-Cause in Connecticut





Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths as % of All-Cause in Connecticut



Excess Death Totals of Years 2020 thru 2023 by Cause and State

N17 Excess Calculation Ages 65 to 74 Minnesota	
Intercept	153.2
Slope	8.9
Average 5 yrs	171.0
2020 Expected	197.7
2021 Expected	206.6
2022 Expected	215.5
2023 Expected	224.4
2020 Excess	27.3
2021 Excess	193.4
2022 Excess	252.5
2023 Excess	135.6
Total	608.8

Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

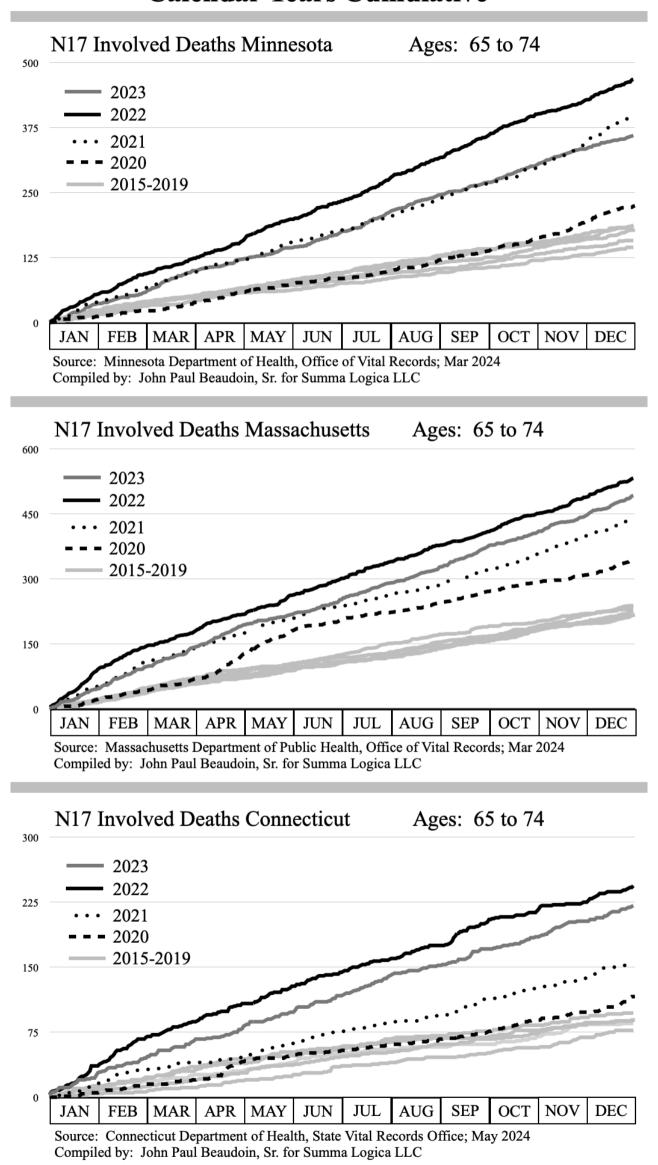
N17 Excess Calculation Ages 65 to 74 Massachusetts	
Intercept	223.4
Slope	1.7
Average 5 yrs	226.8
2020 Expected	231.9
2021 Expected	233.6
2022 Expected	235.3
2023 Expected	237.0
2020 Excess	113.1
2021 Excess	206.4
2022 Excess	296.7
2023 Excess	255.0
Total	871.2

Source: Massachusetts Department of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

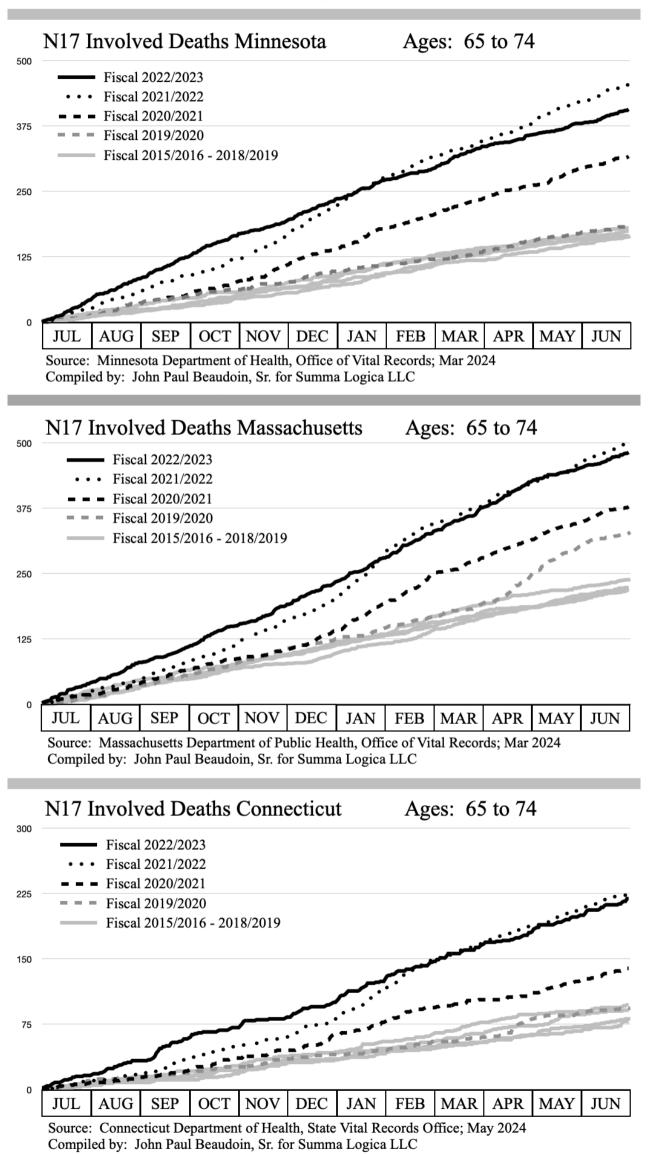
N17 Excess Calculation Ages 65 to 74 Connecticut	
Intercept	82.6
Slope	2.4
Average 5 yrs	87.4
2020 Expected	94.6
2021 Expected	97.0
2022 Expected	99.4
2023 Expected	101.8
2020 Excess	21.4
2021 Excess	60.0
2022 Excess	144.6
2023 Excess	119.2
Total	345.2

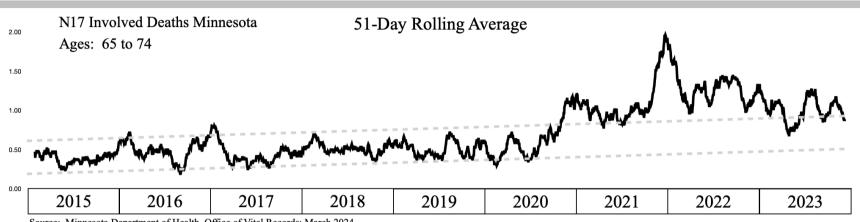
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Calendar Years Cumulative

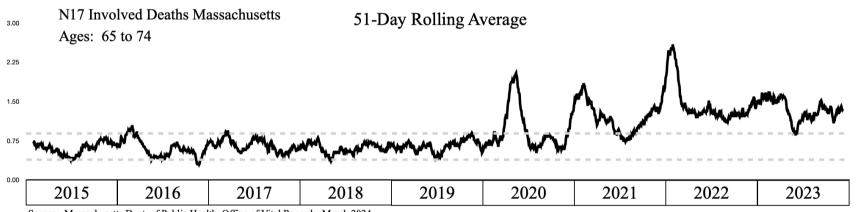


Fiscal Years Cumulative

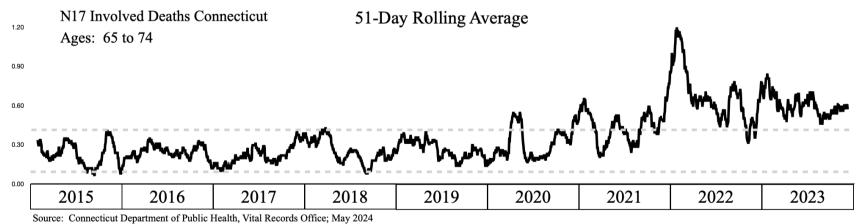




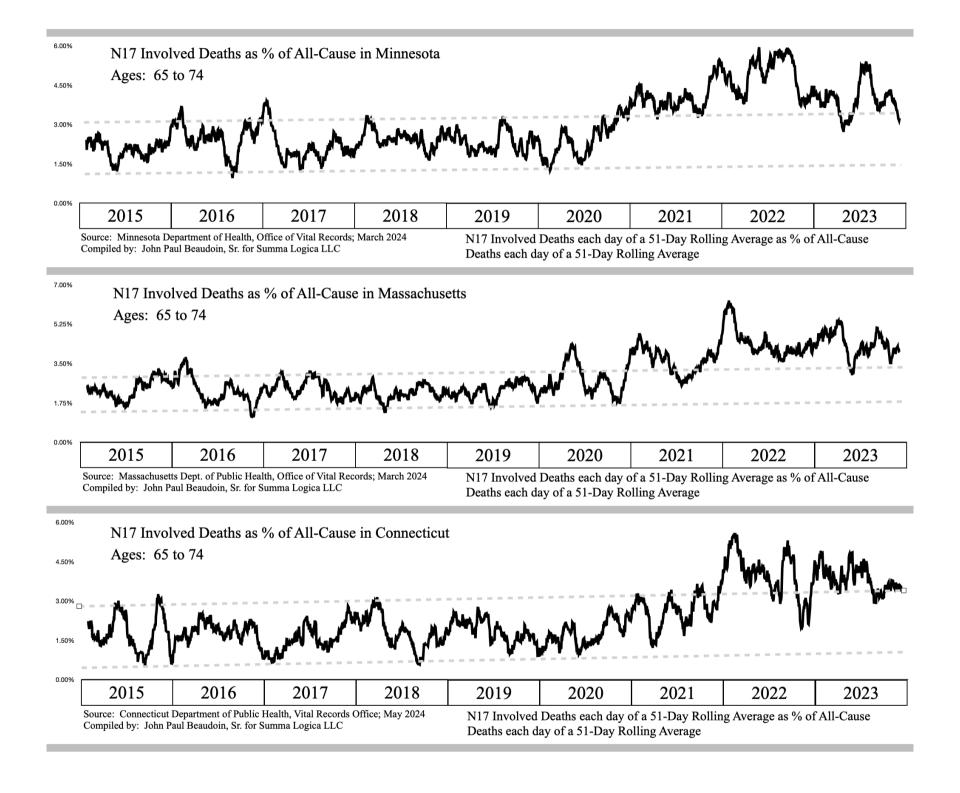
Source: Minnesota Department of Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Source: Massachusetts Dept. of Public Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

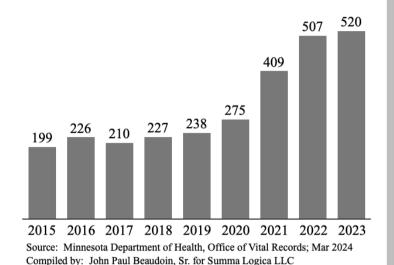


Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

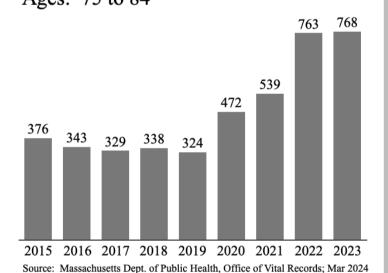


Calendar Years

N17 Involved Deaths Minnesota Ages: 75 to 84

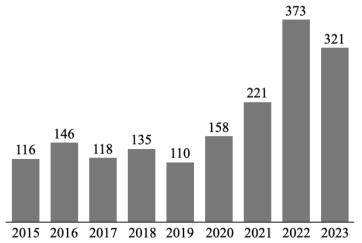


N17 Involved Deaths Massachusetts Ages: 75 to 84



N17 Involved Deaths Connecticut Ages: 75 to 84

Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

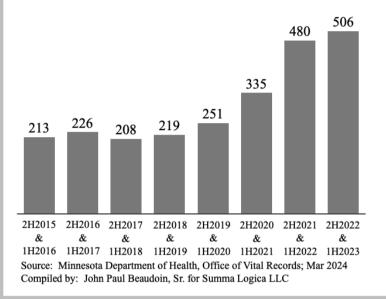


Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Fiscal Years

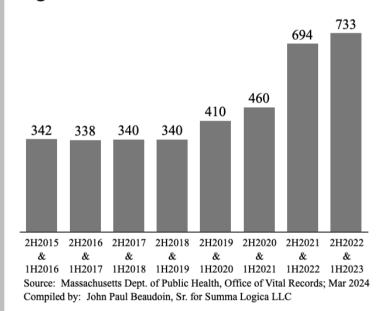
N17 Involved Deaths Minnesota

Ages: 75 to 84



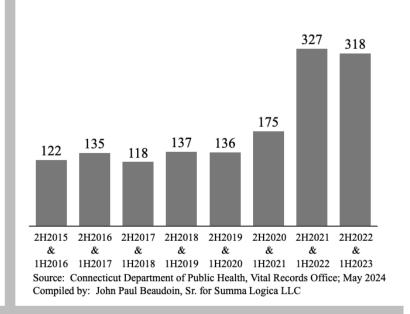
N17 Involved Deaths Massachusetts

Ages: 75 to 84



N17 Involved Deaths Connecticut

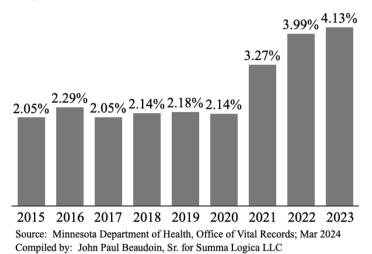
Ages: 75 to 84



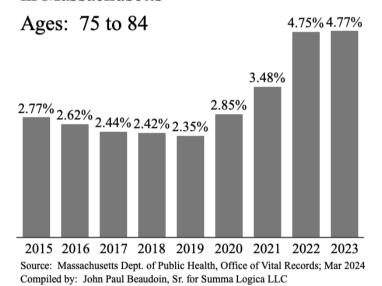
Calendar Years

N17 Involved Deaths as % of All-Cause in Minnesota

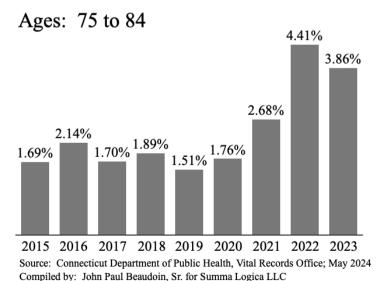
Ages: 75 to 84



N17 Involved Deaths as % of All-Cause in Massachusetts



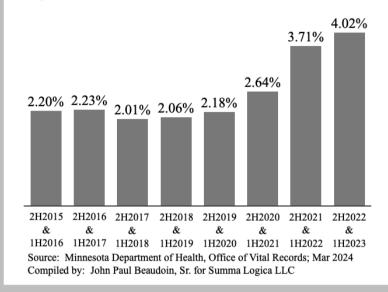
N17 Involved Deaths as % of All-Cause in Connecticut



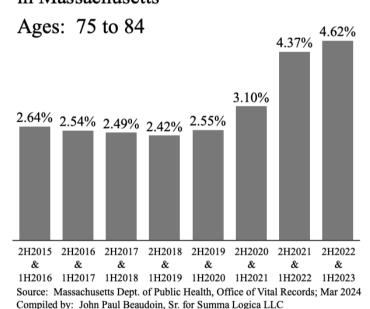
Fiscal Years

N17 Involved Deaths as % of All-Cause in Minnesota

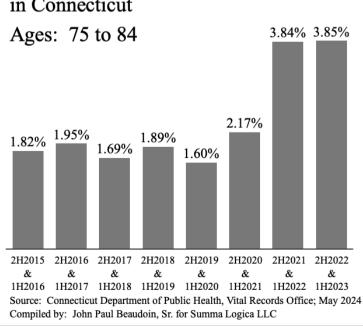
Ages: 75 to 84



N17 Involved Deaths as % of All-Cause in Massachusetts



N17 Involved Deaths as % of All-Cause in Connecticut



Excess Death Totals of Years 2020 thru 2023 by Cause and State

N17 Excess Calculation Ages 75 to 84 Minnesota	
Intercept	204.2
Slope	7.9
Average 5 yrs	220.0
2020 Expected	243.7
2021 Expected	251.6
2022 Expected	259.5
2023 Expected	267.4
2020 Excess	31.3
2021 Excess	157.4
2022 Excess	247.5
2023 Excess	252.6
Total	688.8

Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

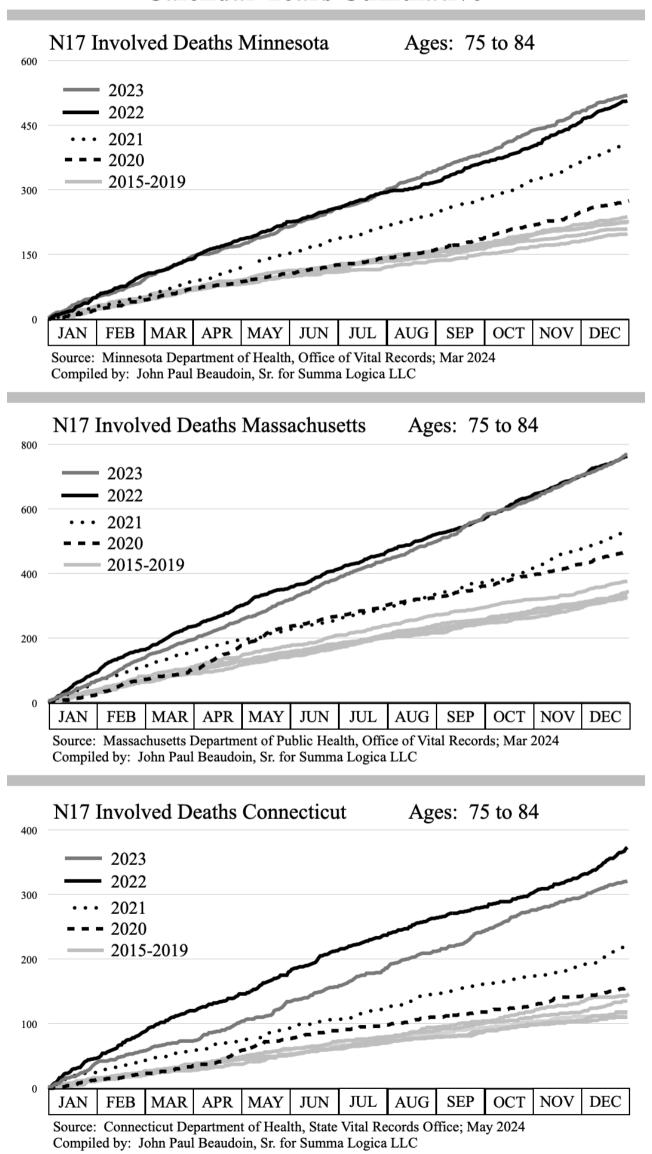
N17 Excess Calculation Ages 75 to 84 Massachusetts	
Intercept	363.8
Slope	(10.9)
Average 5 yrs	342.0
2020 Expected	309.3
2021 Expected	298.4
2022 Expected	287.5
2023 Expected	276.6
2020 Excess	130.0
2021 Excess	197.0
2022 Excess	421.0
2023 Excess	426.0
Total	1,174.0

Source: Massachusetts Department of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

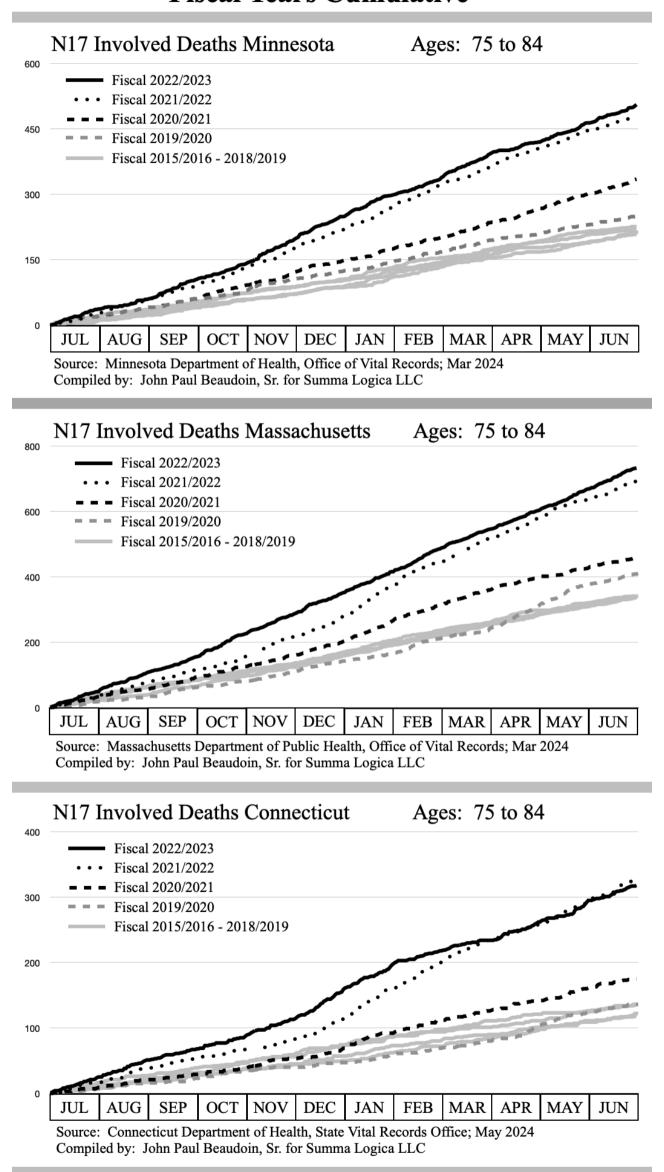
N17 Excess Calculation Ages 75 to 84 Connecticut	
Intercept	129.6
Slope	(2.3)
Average 5 yrs	125.0
2020 Expected	118.1
2021 Expected	115.8
2022 Expected	113.5
2023 Expected	111.2
2020 Excess	33.0
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2023 Excess	196.0
Total	573.0

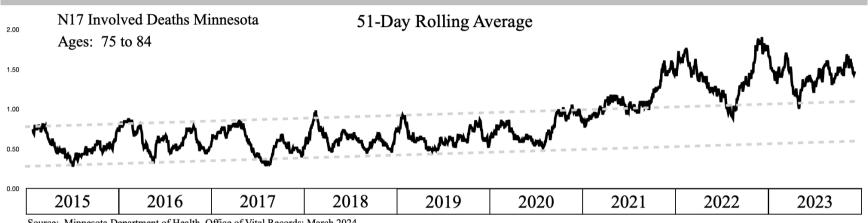
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Calendar Years Cumulative

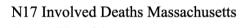


Fiscal Years Cumulative

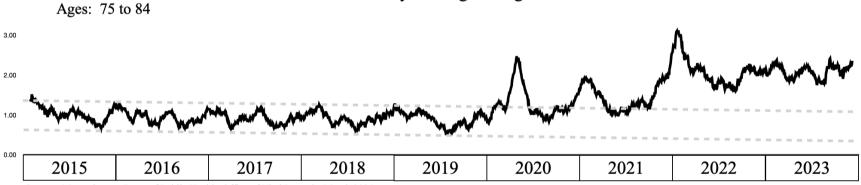




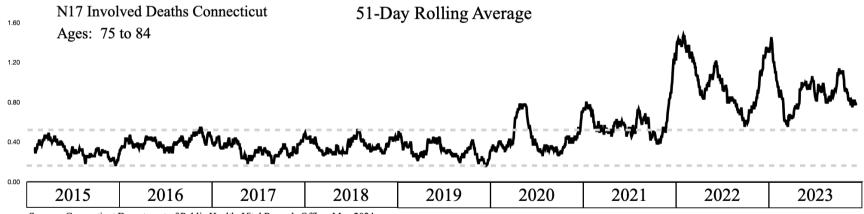
Source: Minnesota Department of Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



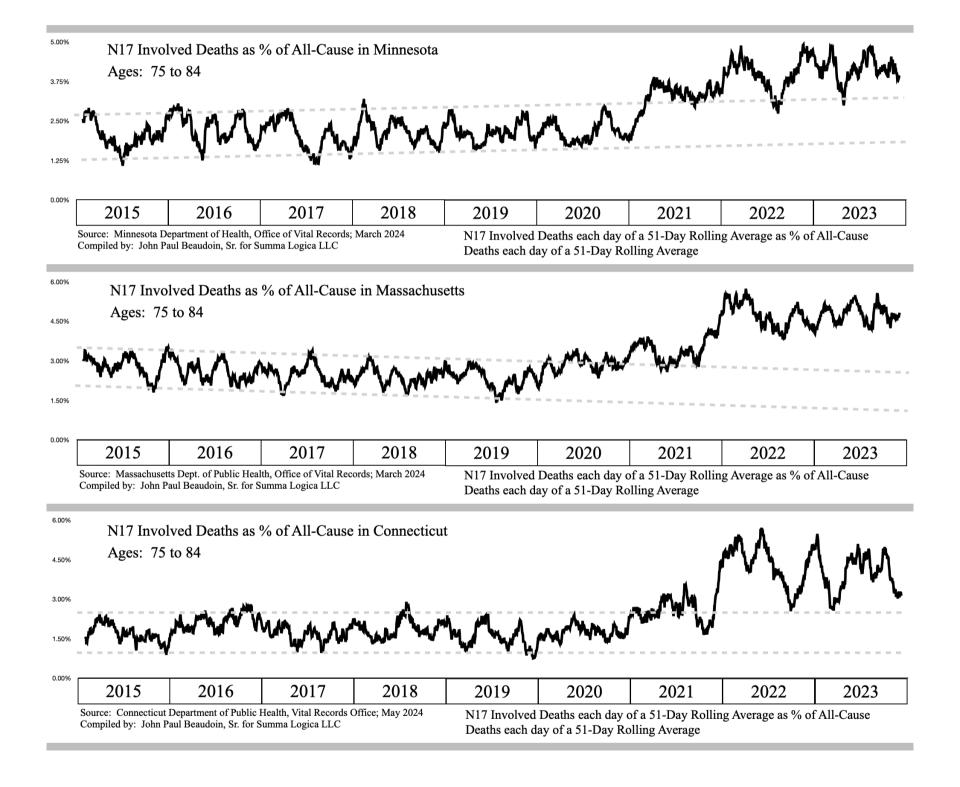
51-Day Rolling Average



Source: Massachusetts Dept. of Public Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



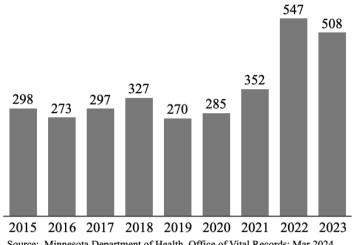
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Calendar Years

N17 Involved Deaths Minnesota

Ages: 85 to 120

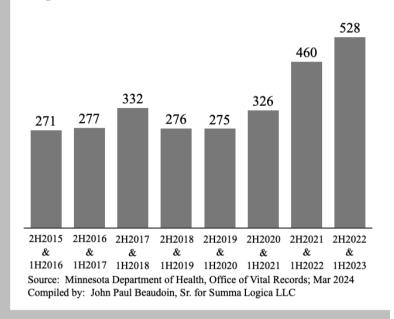


Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

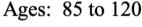
Fiscal Years

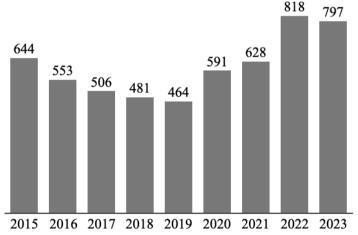
N17 Involved Deaths Minnesota

Ages: 85 to 120



N17 Involved Deaths Massachusetts

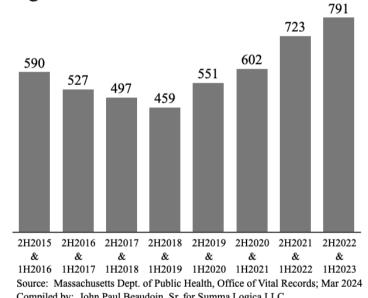




Source: Massachusetts Dept. of Public Health. Office of Vital Records: Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

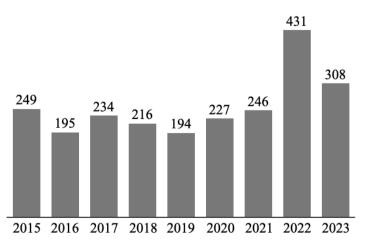
N17 Involved Deaths Massachusetts

Ages: 85 to 120



Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

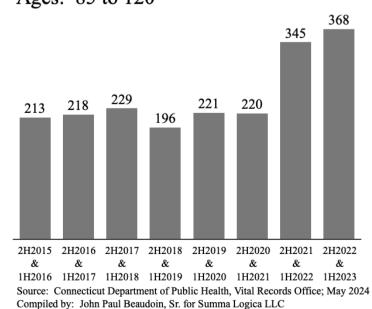
N17 Involved Deaths Connecticut Ages: 85 to 120



Source: Connecticut Department of Public Health, Vital Records Office: May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

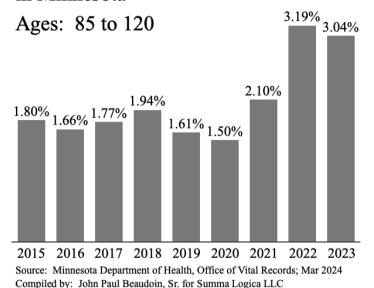
N17 Involved Deaths Connecticut

Ages: 85 to 120



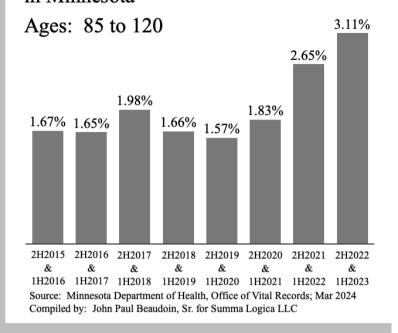
Calendar Years

N17 Involved Deaths as % of All-Cause in Minnesota

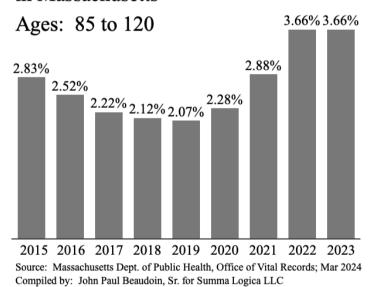


Fiscal Years

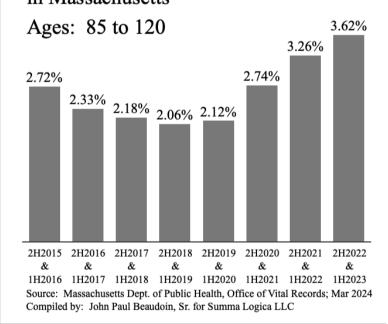
N17 Involved Deaths as % of All-Cause in Minnesota



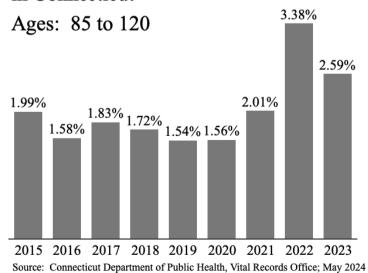
N17 Involved Deaths as % of All-Cause in Massachusetts



N17 Involved Deaths as % of All-Cause in Massachusetts

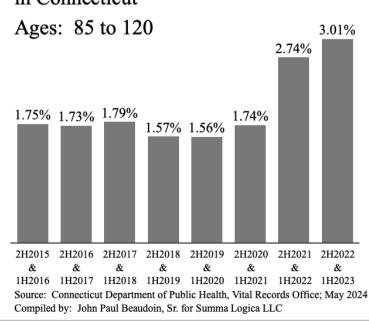


N17 Involved Deaths as % of All-Cause in Connecticut



Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

N17 Involved Deaths as % of All-Cause in Connecticut



Excess Death Totals of Years 2020 thru 2023 by Cause and State

N17 Excess Calculation Ages 85 to 120 Minnesota	
Intercept	293.4
Slope	(0.2)
Average 5 yrs	293.0
2020 Expected	292.4
2021 Expected	292.2
2022 Expected	292.0
2023 Expected	291.8
2020 Excess	(8.0)
2021 Excess	59.0
2022 Excess	254.0
2023 Excess	215.0
Total	520.0

Source: Minnesota Department of Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

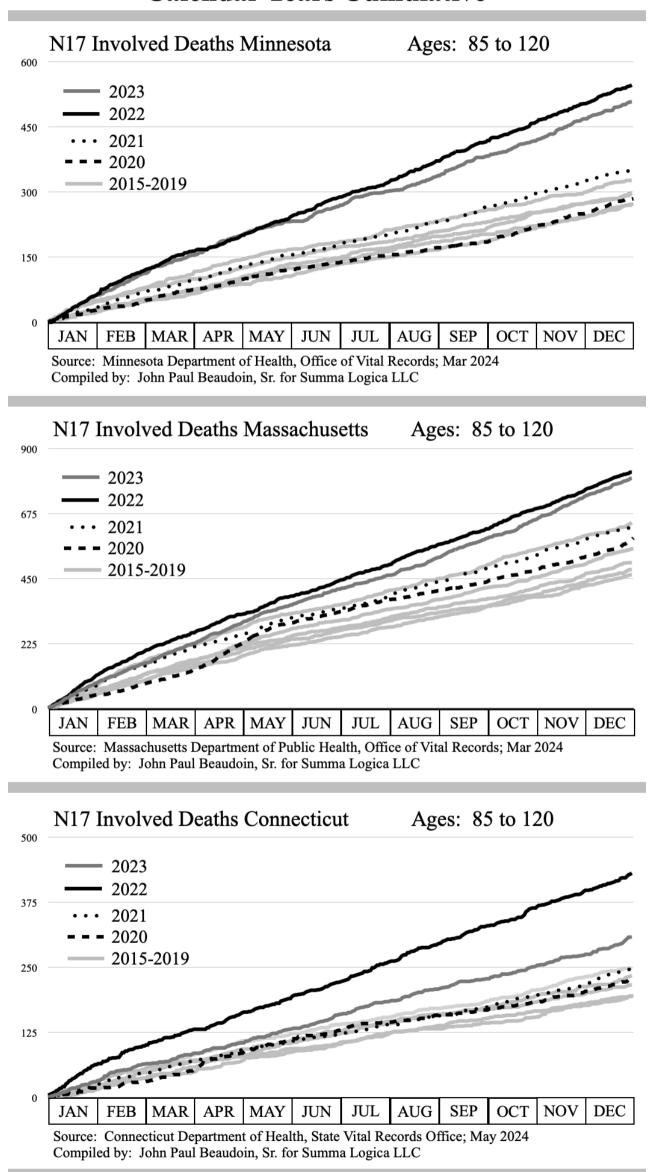
N17 Excess Calculation Ages 85 to 120 Massachusetts	
Intercept	616.0
Slope	(43.2)
Average 5 yrs	529.6
2020 Expected	400.0
2021 Expected	356.8
2022 Expected	313.6
2023 Expected	270.4
2020 Excess	61.4
2021 Excess	98.4
2022 Excess	288.4
2023 Excess	267.4
Total	715.6

Source: Massachusetts Department of Public Health, Office of Vital Records; Mar 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

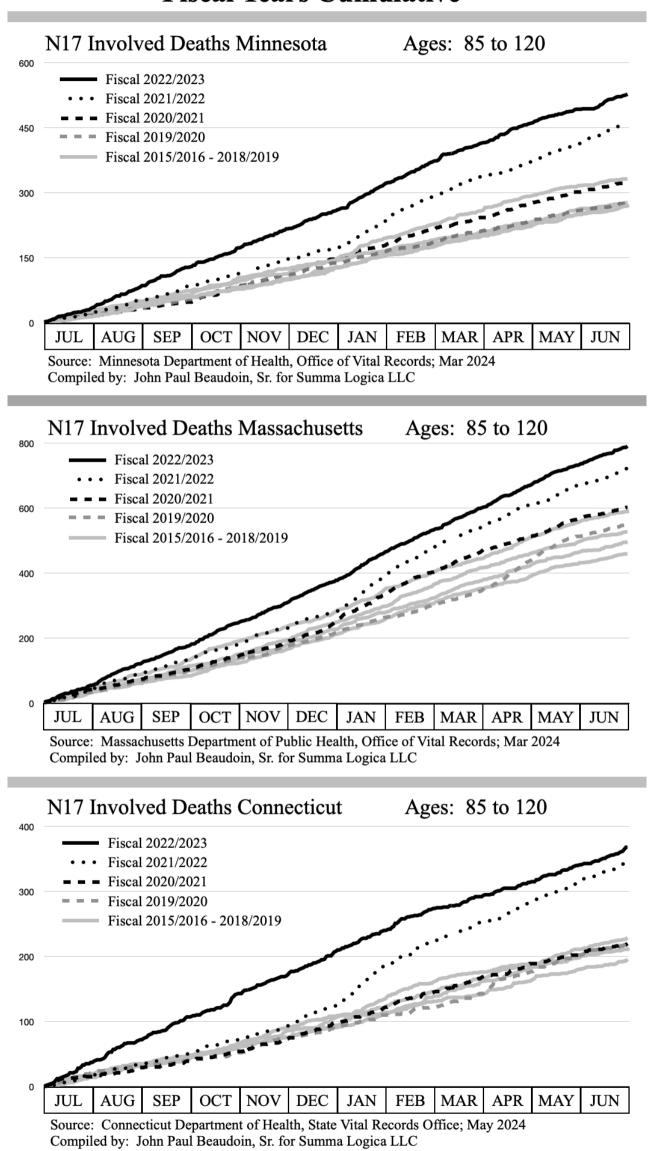
N17 Excess Calculation Ages 85 to 120 Connecticut	
Intercept	235.4
Slope	(8.9)
Average 5 yrs	217.6
2020 Expected	190.9
2021 Expected	182.0
2022 Expected	173.1
2023 Expected	164.2
2020 Excess	9.4
2021 Excess	28.4
2022 Excess	213.4
2023 Excess	90.4
Total	341.6

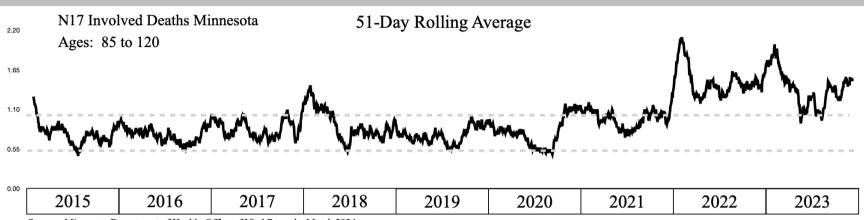
Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

Calendar Years Cumulative

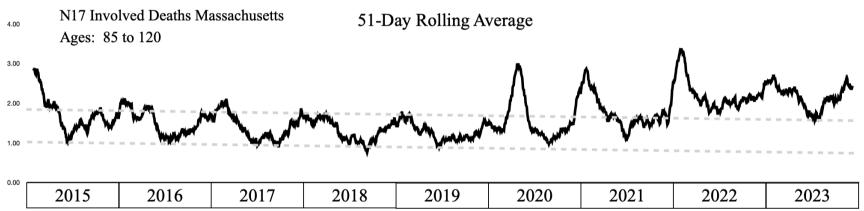


Fiscal Years Cumulative

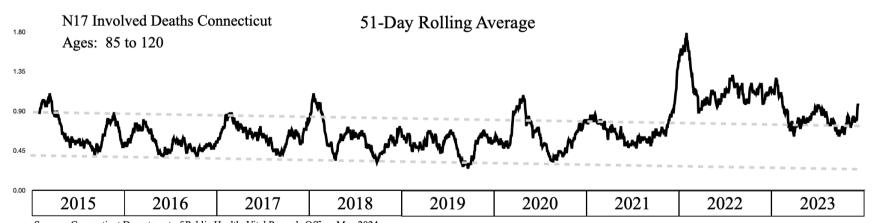




Source: Minnesota Department of Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Source: Massachusetts Dept. of Public Health, Office of Vital Records; March 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC



Source: Connecticut Department of Public Health, Vital Records Office; May 2024 Compiled by: John Paul Beaudoin, Sr. for Summa Logica LLC

