Of our 2.5M cohort, there were 207,762 (8.21%) ideations or attempts. There were 50,599 all cause deaths. 8682 deaths of dispaire (includes self harm) and 7456 intential self harm.

Died by Suicide

The people that died by self harm had almost 3 times (2.93: 2.72-3.17) the odds as having a documented attempt in the medical record (14.1 vs 5.3), when compared to those that died by other causes

They had over one and a half times (1.78: 1.67-1.88) the odds as having documented ideation (24.0 vs. 15.1) when compared to those that died by other causes.

They had two times (2.16: 2.04-2.28) the odds of any documened suicidality (29.7 vs. 16.4), when compared to those that died from other causes.

Overall Death

People that died (all cause mortality) had over two and a half (2.6: 2.5-2.6) the of odds any documened suicidality the medical record (18.3 vs 8.0), when compared to those that were alive after March6 2022.

| **SUICIDE\_VFD** | **Frequency** | **Percent** | **CumulativeFrequency** | **CumulativePercent** |
| --- | --- | --- | --- | --- |
| **0** | 2323085 | 91.79 | 2323085 | 91.79 |
| **1** | 207762 | 8.21 | 2530847 | 100.00 |

| **SUICIDE\_ATTEMPT\_VFD** | **Frequency** | **Percent** | **CumulativeFrequency** | **CumulativePercent** |
| --- | --- | --- | --- | --- |
| **0** | 2480577 | 98.01 | 2480577 | 98.01 |
| **1** | 50270 | 1.99 | 2530847 | 100.00 |

| **SUICIDE\_IDEATION\_VFD** | **Frequency** | **Percent** | **CumulativeFrequency** | **CumulativePercent** |
| --- | --- | --- | --- | --- |
| **0** | 2339097 | 92.42 | 2339097 | 92.42 |
| **1** | 191750 | 7.58 | 2530847 | 100.00 |

| **DEAD THRU MARCH 6, 2022** |
| --- |
| **DEAD\_NDI9** | **Frequency** | **Percent** | **CumulativeFrequency** | **CumulativePercent** |
| **0** | 2480248 | 98.00 | 2480248 | 98.00 |
| **1** | 50599 | 2.00 | 2530847 | 100.00 |

| **CAUSE OF DEATH-BROAD** |
| --- |
| **FINAL\_CAUSE\_OF\_DEATH** | **Frequency** | **Percent** | **CumulativeFrequency** | **CumulativePercent** |
| **CANCER** | 6450 | 12.75 | 6450 | 12.75 |
| **CARDIOVASCULAR DISEASE** | 4645 | 9.18 | 11095 | 21.93 |
| **CHRONIC DISEASE** | 3124 | 6.17 | 14219 | 28.10 |
| **DEATHS OF DISPAIR** | 8682 | 17.16 | 22901 | 45.26 |
| **EXTERNAL CAUSES** | 12244 | 24.20 | 35145 | 69.46 |
| **INFECTION** | 565 | 1.12 | 35710 | 70.57 |
| **NERVOUS SYSTEM** | 1241 | 2.45 | 36951 | 73.03 |
| **UNKNOWN** | 13648 | 26.97 | 50599 | 100.00 |
| **Frequency Missing = 2480248** |

| **CAUSE OF DEATH-DETAIL** |
| --- |
| **FINAL\_CAUSE\_OF\_DEATH2** | **Frequency** | **Percent** | **CumulativeFrequency** | **CumulativePercent** |
| **ACCIDENTAL** | 10302 | 20.36 | 10302 | 20.36 |
| **AUTOIMMUNE** | 153 | 0.30 | 10455 | 20.66 |
| **CANCER** | 6450 | 12.75 | 16905 | 33.41 |
| **CARDIOVASCULAR DISEASE** | 4645 | 9.18 | 21550 | 42.59 |
| **ENDOCRINE** | 461 | 0.91 | 22011 | 43.50 |
| **EPILEPSY** | 52 | 0.10 | 22063 | 43.60 |
| **GASTRO** | 325 | 0.64 | 22388 | 44.25 |
| **INFECTION** | 565 | 1.12 | 22953 | 45.36 |
| **INTENTIONAL SELF HAR** | 7456 | 14.74 | 30409 | 60.10 |
| **KIDNEY** | 158 | 0.31 | 30567 | 60.41 |
| **LIVER** | 490 | 0.97 | 31057 | 61.38 |
| **MENTAL ILLNESS** | 45 | 0.09 | 31102 | 61.47 |
| **NERVOUS SYSTEM** | 1241 | 2.45 | 32343 | 63.92 |
| **OTHER\_CHRONIC** | 974 | 1.92 | 33317 | 65.85 |
| **RESPIRATORY** | 511 | 1.01 | 33828 | 66.86 |
| **SUBSTANCE USE** | 1181 | 2.33 | 35009 | 69.19 |
| **UNKNOWN** | 13648 | 26.97 | 48657 | 96.16 |
| **VIOLENCE** | 1942 | 3.84 | 50599 | 100.00 |
| **Frequency Missing = 2480248** |

| **Table of DEATH\_SUICIDE by SUICIDE\_VFD** |
| --- |
| **DEATH\_SUICIDE** | **SUICIDE\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 3607671.3083.6287.32 | 706713.9716.3876.14 | 4314385.26 |
| **1** | 524110.3670.2912.68 | 22154.3829.7123.86 | 745614.74 |
| **Total** | 4131781.66 | 928218.34 | 50599100.00 |
| **Frequency Missing = 2480248** |

|  |
| --- |
| ***Statistics for Table of DEATH\_SUICIDE by SUICIDE\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 753.8175 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 679.2723 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 752.9281 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 753.8026 | <.0001 |
| **Phi Coefficient** |  | 0.1221 |  |
| **Contingency Coefficient** |  | 0.1212 |  |
| **Cramer's V** |  | 0.1221 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 36076 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 2.1575 | 2.0403 | 2.2813 |
| **Relative Risk (Column 1)** | 1.1896 | 1.1715 | 1.2080 |
| **Relative Risk (Column 2)** | 0.5514 | 0.5293 | 0.5744 |

|  |
| --- |
| ***Sample Size = 50599Frequency Missing = 2480248*** |

|  |
| --- |
| ***WARNING: 98% of the data are missing.*** |

| **Table of DEATH\_SUICIDE by SUICIDE\_ATTEMPT\_VFD** |
| --- |
| **DEATH\_SUICIDE** | **SUICIDE\_ATTEMPT\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 4086180.7594.7186.45 | 22824.515.2968.49 | 4314385.26 |
| **1** | 640612.6685.9213.55 | 10502.0814.0831.51 | 745614.74 |
| **Total** | 4726793.41 | 33326.59 | 50599100.00 |
| **Frequency Missing = 2480248** |

|  |
| --- |
| ***Statistics for Table of DEATH\_SUICIDE by SUICIDE\_ATTEMPT\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 799.0835 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 650.0965 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 797.6547 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 799.0677 | <.0001 |
| **Phi Coefficient** |  | 0.1257 |  |
| **Contingency Coefficient** |  | 0.1247 |  |
| **Cramer's V** |  | 0.1257 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 40861 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 2.9349 | 2.7155 | 3.1720 |
| **Relative Risk (Column 1)** | 1.1023 | 1.0920 | 1.1128 |
| **Relative Risk (Column 2)** | 0.3756 | 0.3506 | 0.4024 |

|  |
| --- |
| ***Sample Size = 50599Frequency Missing = 2480248*** |

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| --- |
| ***WARNING: 98% of the data are missing.*** |

| **Table of DEATH\_SUICIDE by SUICIDE\_IDEATION\_VFD** |
| --- |
| **DEATH\_SUICIDE** | **SUICIDE\_IDEATION\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 3662772.3984.9086.60 | 651612.8815.1078.46 | 4314385.26 |
| **1** | 566711.2076.0113.40 | 17893.5423.9921.54 | 745614.74 |
| **Total** | 4229483.59 | 830516.41 | 50599100.00 |
| **Frequency Missing = 2480248** |

|  |
| --- |
| ***Statistics for Table of DEATH\_SUICIDE by SUICIDE\_IDEATION\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 366.2900 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 336.2351 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 365.6423 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 366.2828 | <.0001 |
| **Phi Coefficient** |  | 0.0851 |  |
| **Contingency Coefficient** |  | 0.0848 |  |
| **Cramer's V** |  | 0.0851 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 36627 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 1.7745 | 1.6723 | 1.8830 |
| **Relative Risk (Column 1)** | 1.1170 | 1.1022 | 1.1320 |
| **Relative Risk (Column 2)** | 0.6295 | 0.6011 | 0.6592 |

|  |
| --- |
| ***Sample Size = 50599Frequency Missing = 2480248*** |

|  |
| --- |
| ***WARNING: 98% of the data are missing.*** |

| **Table of DEATH\_DISPAIR by SUICIDE\_VFD** |
| --- |
| **DEATH\_DISPAIR** | **SUICIDE\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 3518069.5383.9385.15 | 673713.3116.0772.58 | 4191782.84 |
| **1** | 613712.1370.6914.85 | 25455.0329.3127.42 | 868217.16 |
| **Total** | 4131781.66 | 928218.34 | 50599100.00 |
| **Frequency Missing = 2480248** |

|  |
| --- |
| ***Statistics for Table of DEATH\_DISPAIR by SUICIDE\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 841.8637 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 764.6333 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 840.9799 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 841.8471 | <.0001 |
| **Phi Coefficient** |  | 0.1290 |  |
| **Contingency Coefficient** |  | 0.1279 |  |
| **Cramer's V** |  | 0.1290 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 35180 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 2.1655 | 2.0536 | 2.2835 |
| **Relative Risk (Column 1)** | 1.1873 | 1.1706 | 1.2043 |
| **Relative Risk (Column 2)** | 0.5483 | 0.5272 | 0.5703 |

|  |
| --- |
| ***Sample Size = 50599Frequency Missing = 2480248*** |

|  |
| --- |
| ***WARNING: 98% of the data are missing.*** |

| **Table of DEATH\_DISPAIR by SUICIDE\_ATTEMPT\_VFD** |
| --- |
| **DEATH\_DISPAIR** | **SUICIDE\_ATTEMPT\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 3971778.4994.7584.03 | 22004.355.2566.03 | 4191782.84 |
| **1** | 755014.9286.9615.97 | 11322.2413.0433.97 | 868217.16 |
| **Total** | 4726793.41 | 33326.59 | 50599100.00 |
| **Frequency Missing = 2480248** |

|  |
| --- |
| ***Statistics for Table of DEATH\_DISPAIR by SUICIDE\_ATTEMPT\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 709.5192 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 595.8809 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 708.2534 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 709.5052 | <.0001 |
| **Phi Coefficient** |  | 0.1184 |  |
| **Contingency Coefficient** |  | 0.1176 |  |
| **Cramer's V** |  | 0.1184 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 39717 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 2.7068 | 2.5092 | 2.9199 |
| **Relative Risk (Column 1)** | 1.0896 | 1.0804 | 1.0988 |
| **Relative Risk (Column 2)** | 0.4025 | 0.3761 | 0.4308 |

|  |
| --- |
| ***Sample Size = 50599Frequency Missing = 2480248*** |

|  |
| --- |
| ***WARNING: 98% of the data are missing.*** |

| **Table of DEATH\_DISPAIR by SUICIDE\_IDEATION\_VFD** |
| --- |
| **DEATH\_DISPAIR** | **SUICIDE\_IDEATION\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 3571270.5885.2084.44 | 620512.2614.8074.71 | 4191782.84 |
| **1** | 658213.0175.8115.56 | 21004.1524.1925.29 | 868217.16 |
| **Total** | 4229483.59 | 830516.41 | 50599100.00 |
| **Frequency Missing = 2480248** |

|  |
| --- |
| ***Statistics for Table of DEATH\_DISPAIR by SUICIDE\_IDEATION\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 461.7362 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 424.8549 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 461.0524 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 461.7271 | <.0001 |
| **Phi Coefficient** |  | 0.0955 |  |
| **Contingency Coefficient** |  | 0.0951 |  |
| **Cramer's V** |  | 0.0955 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 35712 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 1.8363 | 1.7362 | 1.9421 |
| **Relative Risk (Column 1)** | 1.1238 | 1.1098 | 1.1380 |
| **Relative Risk (Column 2)** | 0.6120 | 0.5858 | 0.6394 |

|  |
| --- |
| ***Sample Size = 50599Frequency Missing = 2480248*** |

|  |
| --- |
| ***WARNING: 98% of the data are missing.*** |

| **Table of DEAD\_NDI9 by SUICIDE\_VFD** |
| --- |
| **DEAD\_NDI9(DEAD THRU MARCH 6, 2022)** | **SUICIDE\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 228176890.1692.0098.22 | 1984807.848.0095.53 | 248024898.00 |
| **1** | 413171.6381.661.78 | 92820.3718.344.47 | 505992.00 |
| **Total** | 232308591.79 | 2077628.21 | 2530847100.00 |

|  |
| --- |
| ***Statistics for Table of DEAD\_NDI9 by SUICIDE\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 7038.2529 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 5400.2389 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 7036.8805 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 7038.2501 | <.0001 |
| **Phi Coefficient** |  | 0.0527 |  |
| **Contingency Coefficient** |  | 0.0527 |  |
| **Cramer's V** |  | 0.0527 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 2281768 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 2.5827 | 2.5240 | 2.6427 |
| **Relative Risk (Column 1)** | 1.1267 | 1.1220 | 1.1313 |
| **Relative Risk (Column 2)** | 0.4362 | 0.4281 | 0.4445 |

|  |
| --- |
| ***Sample Size = 2530847*** |

| **Table of DEAD\_NDI9 by SUICIDE\_ATTEMPT\_VFD** |
| --- |
| **DEAD\_NDI9(DEAD THRU MARCH 6, 2022)** | **SUICIDE\_ATTEMPT\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 243331096.1598.1198.09 | 469381.851.8993.37 | 248024898.00 |
| **1** | 472671.8793.411.91 | 33320.136.596.63 | 505992.00 |
| **Total** | 248057798.01 | 502701.99 | 2530847100.00 |

|  |
| --- |
| ***Statistics for Table of DEAD\_NDI9 by SUICIDE\_ATTEMPT\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 5608.8717 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 3558.0090 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 5606.4615 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 5608.8695 | <.0001 |
| **Phi Coefficient** |  | 0.0471 |  |
| **Contingency Coefficient** |  | 0.0470 |  |
| **Cramer's V** |  | 0.0471 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 2433310 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 3.6544 | 3.5242 | 3.7895 |
| **Relative Risk (Column 1)** | 1.0502 | 1.0478 | 1.0527 |
| **Relative Risk (Column 2)** | 0.2874 | 0.2778 | 0.2973 |

|  |
| --- |
| ***Sample Size = 2530847*** |

| **Table of DEAD\_NDI9 by SUICIDE\_IDEATION\_VFD** |
| --- |
| **DEAD\_NDI9(DEAD THRU MARCH 6, 2022)** | **SUICIDE\_IDEATION\_VFD** |
| **FrequencyPercentRow PctCol Pct** | **0** | **1** | **Total** |
| **0** | 229680390.7592.6098.19 | 1834457.257.4095.67 | 248024898.00 |
| **1** | 422941.6783.591.81 | 83050.3316.414.33 | 505992.00 |
| **Total** | 233909792.42 | 1917507.58 | 2530847100.00 |

|  |
| --- |
| ***Statistics for Table of DEAD\_NDI9 by SUICIDE\_IDEATION\_VFD*** |

| **Statistic** | **DF** | **Value** | **Prob** |
| --- | --- | --- | --- |
| **Chi-Square** | 1 | 5757.7944 | <.0001 |
| **Likelihood Ratio Chi-Square** | 1 | 4455.3210 | <.0001 |
| **Continuity Adj. Chi-Square** | 1 | 5756.5067 | <.0001 |
| **Mantel-Haenszel Chi-Square** | 1 | 5757.7921 | <.0001 |
| **Phi Coefficient** |  | 0.0477 |  |
| **Contingency Coefficient** |  | 0.0476 |  |
| **Cramer's V** |  | 0.0477 |  |

| **Fisher's Exact Test** |
| --- |
| **Cell (1,1) Frequency (F)** | 2296803 |
| **Left-sided Pr <= F** | 1.0000 |
| **Right-sided Pr >= F** | <.0001 |
|  |  |
| **Table Probability (P)** | <.0001 |
| **Two-sided Pr <= P** | <.0001 |

| **Odds Ratio and Relative Risks** |
| --- |
| **Statistic** | **Value** | **95% Confidence Limits** |
| **Odds Ratio** | 2.4585 | 2.4002 | 2.5183 |
| **Relative Risk (Column 1)** | 1.1079 | 1.1036 | 1.1122 |
| **Relative Risk (Column 2)** | 0.4506 | 0.4416 | 0.4598 |

|  |
| --- |
| ***Sample Size = 2530847*** |