

MOVAC – Pendleton County Excess Death Analysis

Date: August 12, 2024

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Based on population numbers provided by [West Virginia Demographics](#), Pendleton County ranks fifty-third in the state with 6,029 total residents. MOVAC has performed numerous detailed analyses on Wood County excess death. Via that analysis, we confirmed that 2021 saw the highest levels of death experienced in recent history. Based on that analysis and the publication of the 2021 vital statistics by the WV DHHR, we are finally able to provide an analysis of this excess death phenomenon for each county in West Virginia.

Pendleton County is very small and thus the death numbers can be very volatile. However, even in this very small county, the 2020 death total set the record for deaths, when compared to the previous 10 years, with 125 deaths. Although total death declined to 113 in 2021, that year is still the second highest total in the 11-year span under analysis:

Year	Total WV Death	Percent Change
2011	21,870	
2012	21,651	-1.00%
2013	21,846	0.90%
2014	22,164	1.46%
2015	22,643	2.16%
2016	22,721	0.34%
2017	23,290	2.50%
2018	23,462	0.74%
2019	23,291	-0.73%
2020	26,108	12.09%
2021	29,402	26.24%

Year	Total Pendleton County Death	Percent Change
2011	104	
2012	103	-0.96%
2013	95	-7.77%
2014	87	-8.42%
2015	93	6.90%
2016	95	2.15%
2017	96	1.05%
2018	98	2.08%
2019	104	6.12%
2020	125	20.19%
2021	113	8.65%

Data source - https://dhhr.wv.gov/HSC/SS/Vital_Statistics/Pages/Vital_Statistics.aspx

Note – While each of the other years in the tables above are compared to the prior year, 2021 is compared to the pre-pandemic year of 2019. It makes no sense to compare 2021 to an already pandemic-effected elevated death total in 2020.

The age-ranged table that follows was created by compiling each year’s age-ranged data provided on the “Age at Death by County of Residence” table in the appendix section of each year’s [Vital Statistics Report published by DHHR from 2011 to 2020](#). The 2021 report no longer contains these detailed schedules. We contacted the DHHR for the 2021 details and were provided a spreadsheet containing the county level detail.

Age Ranges of Concern

The following age-ranged table shows the most alarming growth for Pendleton County.

(*)Note – For the table below, the two highest years in regards to total death are identified by the bold boxes. The percent change column is comparing totals for each year to the prior year for years 2011 through 2020. For the 2021 percent change calculation, the next highest death total is identified and used as the comparison year.

Age Range 45-54

Year	Total Death	Percent Change
2011	4	
2012	5	25.00%
2013	6	20.00%
2014	2	-66.67%
2015	2	0.00%
2016	4	100.00%
2017	3	-25.00%
2018	4	33.33%
2019	2	-50.00%
2020	5	150.00%
2021 *	8	33.33%

It is very difficult to come to any conclusions with a population so small. The detailed age-range data provided by DHHR omits any death counts in an age range if the total is less than five deaths. For this reason, many of the age ranges could not be properly analyzed. However, the 45-54 age range shown above set the record for death in Pendleton County in 2021.

If you are concerned about this alarming rise in total death in West Virginia (as documented by your state), please consider sharing this information with state leaders responsible for representing your population.

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Please note – After the election, your delegate or senator may change. After November 5, 2024, please refer to the new rosters as published on the legislature’s website –

House Roster - <https://www.wvlegislature.gov/house/roster.cfm>

Senate Roster - <https://www.wvlegislature.gov/Senate1/roster.cfm>