

Region 5 Data Profile

West Virginia Prevention Planning Resource

January 2023

Boone, Cabell, Clay, Kanawha, Lincoln, Logan, Mason, Mingo, Putnam and Wayne Counties

Data selected for inclusion in this profile are related to the social determinants of health as well as risk and protective factors related to behavioral health.

Healthy People 2020 defines social determinants of health as conditions in the environments in which people live, learn, work, play, and age that affect a wide range of health, functioning, and quality-of-life outcomes and risks. Resources that enhance quality of life can have a significant influence on population health outcomes. Examples of these resources include safe and affordable housing, access to education, public safety, availability of healthy foods, local emergency/health services, and environments free of life-threatening toxins. Healthy People 2020 highlights the importance of addressing social determinants of health by including “create social and physical environments that promote good health for all” as one of the four overarching goals for the decade (<https://www.cdc.gov/socialdeterminants/index.htm>).

Multiple contributing factors can affect an individual’s risk for behavioral health concerns. Risk factors increase the likelihood of someone developing negative behavioral health outcomes, while protective factors increase the likelihood of healthy outcomes. These factors exist in multiple contexts, such as in a society, community, relationship and individual and many are amenable to change (SAMHSA, 2019).

The assessment and planning resource categories included in this profile are demographics, economics, education, health and justice. When combined, these factors can begin to help communities understand the problems they are working to improve as well as the impact of the work that has already been done. The data included can also inform important planning, programming and policy decisions.

The information included in these profiles is not a complete picture of all the factors facing youth and families in West Virginia. However, it is the most up-to-date data available at the time of release for county and regional levels.



This project is funded by a Strategic Prevention Framework Partnerships for Success (PFS) grant received by Marshall University Research Corporation through the West Virginia Department of Health & Human Resources Bureau for Behavioral Health from the Substance Abuse and Mental Health Services Administration, Center for Substance Abuse Prevention. These profiles are a tool to enhance data-driven decision-making and services for the PFS project objective of, “WV prevention partners will obtain, understand, and use national, state, regional, and county-level data to inform the strategic prevention framework and evidence-based



Demographics

Total County Population

County	2018	2019	2020	2021
Boone	22817	22368	21809	21312
Cabell	95318	94339	94350	93418
Clay	8785	8709	8051	7892
Kanawha	185710	183279	180745	177952
Lincoln	21078	20850	20463	20126
Logan	33801	33154	32567	31909
Mason	26939	26820	25453	25157
Mingo	24741	24290	23568	23005
Putnam	56652	56610	57440	57260
Wayne	40708	40303	38982	38498

Total County Minority Percentage of the Population

County	2018	2019	2020	2021
Boone	2.1%	2.0%	2.1%	2.1%
Cabell	9.3%	9.4%	9.0%	9.0%
Clay	0.7%	0.6%	2.4%	2.4%
Kanawha	11.5%	11.5%	11.4%	11.4%
Lincoln	1.3%	1.7%	2.1%	2.1%
Logan	3.4%	3.3%	3.2%	3.2%
Mason	2.6%	2.7%	3.1%	3.1%
Mingo	4.2%	4.2%	3.5%	3.5%
Putnam	3.6%	3.6%	4.0%	4.0%
Wayne	2.2%	2.4%	2.5%	2.5%

Total County Population Under 18

County	2018	2019	2020	2021
Boone	4992	4815	4514	4412
Cabell	18915	18687	18776	18590
Clay	1987	1962	1771	1736
Kanawha	37561	36872	35968	35412
Lincoln	4736	4692	4543	4468
Logan	6989	6789	6741	6605
Mason	5610	5734	5269	5207
Mingo	5514	5421	5256	5130
Putnam	12855	12749	12579	12540
Wayne	8636	8420	7835	7738

2018 - %	2019 - %	2020 - %	2021 - %
21.9%	21.5%	20.7%	20.7%
19.8%	19.8%	19.9%	19.9%
22.6%	22.5%	22.0%	22.0%
20.2%	20.1%	19.9%	19.9%
22.5%	22.5%	22.2%	22.2%
20.7%	20.5%	20.7%	20.7%
20.8%	21.4%	20.7%	20.7%
22.3%	22.3%	22.3%	22.3%
22.7%	22.5%	21.9%	21.9%
21.2%	20.9%	20.1%	20.1%

Total County Population Over 18

County	2018	2019	2020	2021
Boone	17825	17553	17295	16900
Cabell	76403	75652	75574	74828
Clay	6798	6747	6280	6156
Kanawha	148149	146407	144777	142540
Lincoln	16342	16158	15920	15658
Logan	26812	26365	25826	25304
Mason	21329	21086	20184	19950
Mingo	19227	18869	18312	17875
Putnam	43797	43861	44861	44720
Wayne	32072	31883	31147	30760

Children in Kinship Care/Living with Grandparents

County	2018	2019	2020	2021
Boone	630	659	599	Not available
Cabell	953	1197	1241	Not available
Clay	165	282	293	Not available
Kanawha	2763	2624	2651	Not available
Lincoln	435	477	552	Not available
Logan	592	563	588	Not available
Mason	349	358	354	Not available
Mingo	586	634	572	Not available
Putnam	770	880	1011	Not available
Wayne	609	772	795	Not available

2018 - %	2019 - %	2020 - %	2021 - %
78.1%	78.5%	79.3%	79.3%
80.2%	80.2%	80.1%	80.1%
77.4%	77.5%	78.0%	78.0%
79.8%	79.9%	80.1%	80.1%
77.5%	77.5%	77.8%	77.8%
79.3%	79.5%	79.3%	79.3%
79.2%	78.6%	79.3%	79.3%
77.7%	77.7%	77.7%	77.7%
77.3%	77.5%	78.1%	78.1%
78.8%	79.1%	79.9%	79.9%

Children Enrolled in Foster Care Medicaid

County	2018	2019
Boone	339	428
Cabell	1290	1475
Clay	238	268
Kanawha	1926	2450
Lincoln	368	436
Logan	449	602
Mason	190	238
Mingo	529	530
Putnam	613	734
Wayne	595	650

Note: 2020 and 2021 data requested

Sources for all population data

2018: <https://data.census.gov/cedsci/table?q=DP-05&g=0400000US54%240500000&tid=ACSDP5Y2018.DP05>

2019: <https://data.census.gov/cedsci/table?q=DP-05&g=0400000US54%240500000&tid=ACSDP5Y2019.DP05>

2020: <https://www.census.gov/quickfacts/fact/table/WV/POP010220>

2021: <https://www.census.gov/quickfacts/fact/tale/WV/PST045221>

Sources for Children in Kinship Care/Living with Grandparents:

2018: <https://data.census.gov/cedsci/table?q=table%20B10002&g=0400000US54,54%240500000&tid=ACSDT5Y2018.B10002>

2019: <https://data.census.gov/cedsci/table?q=table%20B10002&g=0400000US54,54%240500000&tid=ACSDT5Y2019.B10002>

2020: <https://data.census.gov/cedsci/table?q=table%20B10002&g=0400000US54,54%240500000&tid=ACSDT5Y2020.B10002>

Source for Children Enrolled in Foster Care Medicaid: WV DHHR Data Request. 2020-2021 requested.

Economics

Percentage of Population Under 18 in Poverty

County	2018	2019	2020
Boone	35.6%	32.2%	23.5%
Cabell	26.6%	26.0%	25.4%
Clay	29.3%	35.2%	40.1%
Kanawha	25.9%	24.7%	24.2%
Lincoln	37.4%	36.1%	33.5%
Logan	29.4%	32.9%	37.4%
Mason	25.8%	23.7%	23.0%
Mingo	39.7%	39.2%	34.8%
Putnam	9.9%	11.9%	16.5%
Wayne	31.0%	31.5%	24.0%

Percentage of Population Over 18 in Poverty

County	2018	2019	2020
Boone	21.3%	20.7%	17.5%
Cabell	21.5%	21.4%	21.5%
Clay	26.5%	25.3%	24.9%
Kanawha	14.9%	15.3%	15.4%
Lincoln	21.5%	19.0%	18.4%
Logan	21.6%	23.5%	23.0%
Mason	15.2%	13.8%	11.8%
Mingo	25.6%	25.7%	25.4%
Putnam	8.9%	9.2%	9.2%
Wayne	20.0%	21.1%	18.6%

Median Household Income

County	2018	2019	2020
Boone	\$38,642.00	\$40,739.00	\$45,297.00
Cabell	\$38,321.00	\$40,028.00	\$41,472.00
Clay	\$35,875.00	\$35,024.00	\$35,154.00
Kanawha	\$45,426.00	\$46,639.00	\$47,122.00
Lincoln	\$37,679.00	\$42,345.00	\$42,064.00
Logan	\$38,123.00	\$36,168.00	\$36,250.00
Mason	\$40,347.00	\$46,078.00	\$51,820.00
Mingo	\$31,305.00	\$32,764.00	\$35,454.00
Putnam	\$59,626.00	\$60,097.00	\$63,954.00
Wayne	\$36,875.00	\$37,988.00	\$43,710.00

Mean Household Income

County	2018	2019	2020
Boone	\$52,007.00	\$52,513.00	\$56,380.00
Cabell	\$56,507.00	\$58,832.00	\$61,038.00
Clay	\$44,172.00	\$45,212.00	\$46,614.00
Kanawha	\$65,129.00	\$66,597.00	\$67,860.00
Lincoln	\$49,783.00	\$54,060.00	\$55,597.00
Logan	\$52,773.00	\$53,008.00	\$54,680.00
Mason	\$52,880.00	\$59,868.00	\$70,010.00
Mingo	\$44,297.00	\$47,066.00	\$46,013.00
Putnam	\$78,433.00	\$80,042.00	\$80,837.00
Wayne	\$51,853.00	\$53,315.00	\$59,772.00

Workforce Participation

County	2018	2019	2020
Boone	7383	7301	7613
Cabell	41130	40415	40767
Clay	2830	2779	2870
Kanawha	84938	83681	82904
Lincoln	7359	7550	7436
Logan	11936	11475	11672
Mason	9939	10459	10512
Mingo	8261	8282	7884
Putnam	26895	26588	26636
Wayne	15002	14234	14713

2018 - %	2019 - %	2020 - %
40.0%	40.3%	42.7%
52.6%	52.2%	53.2%
40.3%	39.9%	41.6%
55.7%	55.5%	55.6%
43.8%	45.3%	45.1%
43.2%	42.1%	43.6%
45.0%	47.9%	48.0%
41.5%	42.3%	41.1%
59.1%	58.4%	58.5%
45.2%	43.1%	44.7%

Unemployment Rate

County	2018	2019	2020	2021
Boone	6.0	5.5	10.3	6.1
Cabell	4.7	4.2	7.8	4.6
Clay	8.3	8.6	12.3	7.7
Kanawha	5.1	4.6	8.6	5.2
Lincoln	6.8	6.4	9.9	6.6
Logan	6.8	5.9	11.9	6.6
Mason	6.9	6.0	8.3	5.5
Mingo	7.5	6.8	14.0	9.0
Putnam	4.8	4.4	7.2	4.2
Wayne	5.9	5.4	8.2	5.1

Percent Owner Occupied

County	2016	2021
Boone	77.0%	76.6%
Cabell	61.0%	61.8%
Clay	83.0%	81.4%
Kanawha	71.0%	69.1%
Lincoln	-	77.8%
Logan	-	72.6%
Mason	77.0%	80.1%
Mingo	78.0%	73.5%
Putnam	85.0%	81.8%
Wayne	78.0%	73.5%

Note: Lincoln and Logan County 2016 data requested

Percent with Mortgage

2016	2021
39.0%	37.3%
52.0%	46.5%
38.0%	32.9%
54.0%	46.3%
-	35.8%
-	33.7%
49.0%	45.9%
37.0%	26.3%
58.0%	54.0%
43.0%	38.6%

Median Rent

2016	2021
\$519.00	\$646.00
\$638.00	\$748.00
\$403.00	\$495.00
\$671.00	\$747.00
-	\$618.00
-	\$662.00
\$517.00	\$630.00
\$518.00	\$574.00
\$703.00	\$831.00
\$569.00	\$662.00

High School Graduate or Higher, Percent of Persons Age 25 Years+

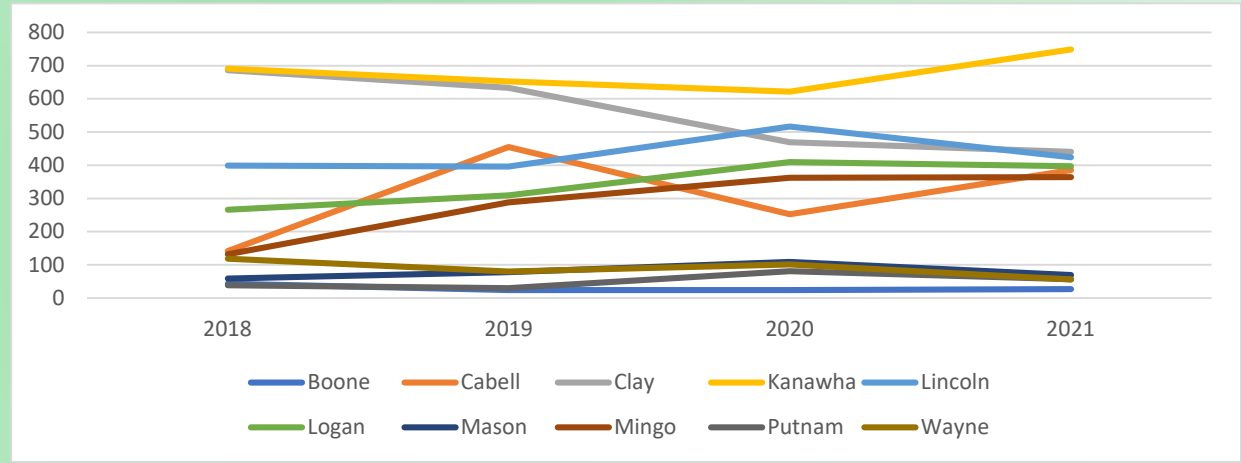
County	2018	2019	2020	2018 - %	2019 - %	2020 - %
Boone	12,918	12,746	13,046	79.7%	79.7%	83.4%
Cabell	55,939	55,455	55,100	88.0%	88.0%	88.2%
Clay	4,673	4,693	4,591	75.7%	77.3%	77.8%
Kanawha	118,114	117,545	117,214	88.1%	88.7%	89.3%
Lincoln	12,045	11,925	11,704	80.9%	80.9%	80.1%
Logan	19,573	19,206	18,909	80.2%	79.8%	80.1%
Mason	16,644	16,575	16,734	85.5%	86.0%	86.3%
Mingo	13,236	13,026	12,944	75.5%	75.5%	76.6%
Putnam	37,008	36,642	36,755	92.7%	91.7%	92.3%
Wayne	23,170	23,025	23,416	79.8%	79.7%	81.1%

Bachelor's Degree or Higher, Percent of Persons Age 25 Years+

County	2018	2019	2020	2018 - %	2019 - %	2020 - %
Boone	1,354	1,549	1,822	8.4%	9.7%	11.6%
Cabell	16,322	16,406	16,925	25.7%	26.0%	27.1%
Clay	586	560	607	9.5%	9.2%	10.3%
Kanawha	33,388	33,754	34,612	24.9%	25.5%	26.4%
Lincoln	1,296	1,329	1,133	8.7%	9.0%	7.8%
Logan	2,433	2,404	2,911	10.0%	10.0%	12.3%
Mason	2,412	2,780	3,304	12.4%	14.4%	17.0%
Mingo	1,666	1,707	1,689	9.5%	9.9%	10.0%
Putnam	10,654	10,406	10,472	26.7%	26.1%	26.3%
Wayne	4,386	4,361	5,054	15.1%	15.1%	17.5%

Children Experiencing Homelessness

County	2018	2019	2020	2021
Boone	44	24	24	27
Cabell	142	455	252	385
Clay	686	633	469	441
Kanawha	691	652	622	749
Lincoln	399	396	517	424
Logan	266	309	410	397
Mason	59	78	109	69
Mingo	132	288	362	365
Putnam	38	30	81	57
Wayne	119	80	101	56



Sources:

2018 Percentage of Population Under 18 and Over 18 in Poverty, Median Household Income, Mean Household Income, and Workforce Participation Raw Data and Percent:

<https://data.census.gov/cedsci/table?q=0400000US54,54%240500000&tid=ACSDP5Y2018.DP03>

2019 Percentage of Population Under 18 and Over 18 in Poverty, Median Household Income, Mean Household Income, and Workforce Participation Raw Data and Percent:

<https://data.census.gov/cedsci/table?q=0400000US54,54%240500000&tid=ACSDP5Y2019.DP03>

2020 Percentage of Population Under 18 and Over 18 in Poverty, Median Household Income, Mean Household Income, and Workforce Participation Raw Data and Percent:

<https://data.census.gov/cedsci/table?q=0400000US54,54%240500000&tid=ACSDP5Y2020.DP03>

2018 – 2021 Unemployment Rate: <http://lmi.workforcewv.org/table2annual.html>

2018: High School Graduate or Higher and Bachelor's Degree or Higher in Individuals Age 25+ Raw Data and Percent:

[https://data.census.gov/table?q=educational+data&g=0400000US54,54\\$0500000&tid=ACSST5Y2018.S1501](https://data.census.gov/table?q=educational+data&g=0400000US54,54$0500000&tid=ACSST5Y2018.S1501)

2019: High School Graduate or Higher and Bachelor's Degree or Higher in Individuals Age 25+ Raw Data and Percent:

[https://data.census.gov/table?q=educational+data&g=0400000US54,54\\$0500000&tid=ACSST5Y2019.S1501](https://data.census.gov/table?q=educational+data&g=0400000US54,54$0500000&tid=ACSST5Y2019.S1501)

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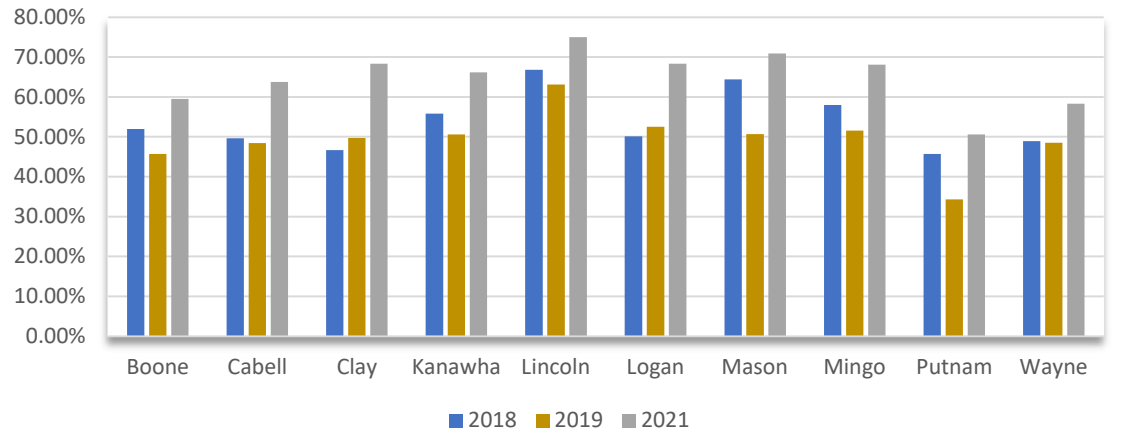
Children Experiencing Homelessness: WV Department of Education

All 2016, 2021 Owner Occupied, Mortgage, and Media Rent data: <http://foodlink.wvu.edu/nn-county-profiles-web-2/>

Education

Percentage of Students Not Proficient in Reading by Grade 4

County	2018	2019	2020	2021
Boone	52.0%	45.7%	Not available	59.5%
Cabell	49.6%	48.4%	Not available	63.8%
Clay	46.7%	49.7%	Not available	68.3%
Kanawha	55.8%	50.6%	Not available	66.2%
Lincoln	66.8%	63.1%	Not available	75.0%
Logan	50.1%	52.5%	Not available	68.3%
Mason	64.4%	50.7%	Not available	70.9%
Mingo	58.0%	51.6%	Not available	68.1%
Putnam	45.7%	34.3%	Not available	50.6%
Wayne	48.9%	48.5%	Not available	58.3%



Percentage of Students Not Proficient in Math by Grade 8

County	2018	2019	2020	2021
Boone	76.3%	73.0%	Not available	80.6%
Cabell	67.1%	67.7%	Not available	73.1%
Clay	72.4%	59.3%	Not available	79.0%
Kanawha	65.3%	59.3%	Not available	73.6%
Lincoln	82.2%	72.4%	Not available	80.8%
Logan	86.5%	76.8%	Not available	90.0%
Mason	78.5%	73.8%	Not available	88.0%
Mingo	63.5%	76.8%	Not available	79.4%
Putnam	46.8%	44.3%	Not available	58.0%
Wayne	69.1%	59.8%	Not available	77.6%

Percentage of Students Not Graduating on Time

County	2018	2019	2020	2021
Boone	12.0%	10.3%	8.2%	11.5%
Cabell	17.3%	11.6%	10.0%	11.0%
Clay	5.3%	12.4%	5.5%	3.8%
Kanawha	16.6%	13.9%	12.5%	13.7%
Lincoln	12.8%	9.6%	7.6%	14.8%
Logan	9.5%	9.5%	12.1%	15.2%
Mason	7.6%	6.8%	5.7%	5.3%
Mingo	2.8%	1.8%	5.8%	9.2%
Putnam	2.9%	3.3%	1.9%	2.9%
Wayne	11.8%	14.5%	15.0%	9.8%

Sources:

Percentage of Students Not Proficient in Reading by Grade 4 and Percentage of Students Not Proficient in Math by Grade 8:

<https://zoomwv.k12.wv.us/Dashboard/dashboard/7301>

Percentage of Students Not Graduating on Time:

<https://zoomwv.k12.wv.us/Dashboard/dashboard/2111>

Undergraduate Certificates Awarded

County	2018	2019	2020	2021
Boone	15	13	16	17
Cabell	244	292	350	40
Clay	4	2	2	0
Kanawha	108	77	87	17
Lincoln	34	24	33	12
Logan	44	60	55	61
Mason	27	26	29	4
Mingo	35	29	51	44
Putnam	37	40	43	5
Wayne	79	111	111	11

Baccalaureate Degrees Awarded

County	2018	2019	2020	2021
Boone	44	55	41	45
Cabell	657	604	681	598
Clay	15	14	10	15
Kanawha	605	621	587	533
Lincoln	29	38	29	36
Logan	63	66	52	56
Mason	66	82	79	65
Mingo	32	31	30	36
Putnam	226	235	256	239
Wayne	84	84	72	78

Associate Degrees Awarded

County	2018	2019	2020	2021
Boone	49	46	41	37
Cabell	197	203	187	183
Clay	12	7	10	8
Kanawha	248	241	216	214
Lincoln	35	28	37	24
Logan	132	118	108	125
Mason	36	35	24	21
Mingo	69	60	64	76
Putnam	71	79	78	63
Wayne	46	51	66	49

Master's Degrees Awarded

County	2018	2019	2020	2021
Boone	14	12	14	6
Cabell	247	274	302	325
Clay	6	8	5	5
Kanawha	160	150	147	120
Lincoln	17	10	12	10
Logan	14	12	15	7
Mason	17	15	7	10
Mingo	13	14	10	4
Putnam	59	65	55	57
Wayne	32	20	18	12

Doctorate-Professional Practice Degrees Awarded

County	2018	2019	2020	2021
Boone	3	0	3	3
Cabell	98	76	71	75
Clay	1	2	1	1
Kanawha	41	45	59	47
Lincoln	3	2	1	0
Logan	9	5	8	2
Mason	4	7	3	4
Mingo	1	3	2	0
Putnam	16	13	24	16
Wayne	10	10	6	5

Doctorate-Research/Scholarship Degrees Awarded

County	2018	2019	2020	2021
Boone	0	0	1	0
Cabell	4	9	8	8
Clay	0	0	0	0
Kanawha	2	6	1	4
Lincoln	1	0	2	0
Logan	0	1	0	0
Mason	0	1	1	0
Mingo	0	0	0	0
Putnam	2	2	1	3
Wayne	1	0	1	0

Health

Births and Deaths

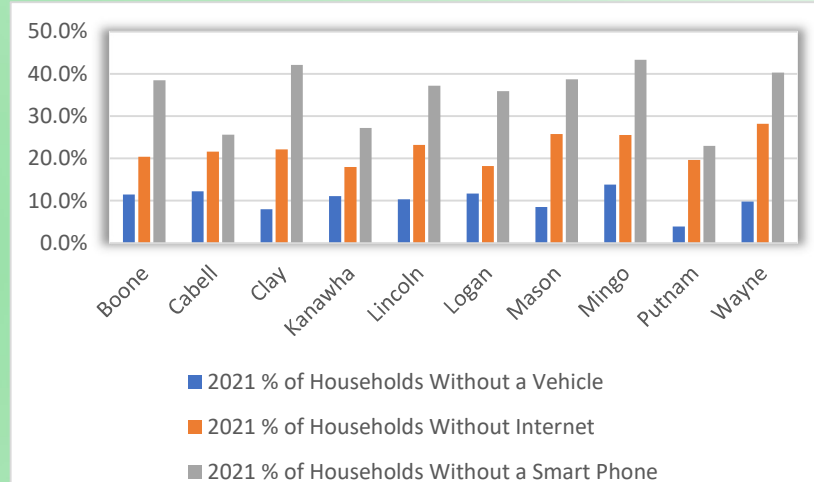
County	2018 Low Birth Weight (LBW) Births	2018 LBW % of Total Resident Births	2018 Total Births	2018 Teen Birth Rate/1000 births	2018 Age 0-19 Deaths	2018 Age 0-19 Death Rate/100,000 Population
Boone	15	7.5%	19	30.2	1	20
Cabell	104	10.3%	58	18.6	4	20
Clay	4	4.3%	12	49.8	1	50
Kanawha	189	10.2%	124	25.0	12	32
Lincoln	22	9.8%	18	33.0	4	85
Logan	30	8.9%	40	44.2	4	57
Mason	23	8.6%	25	36.6	1	17
Mingo	34	12.2%	29	44.9	0	0
Putnam	34	6.6%	21	12.1	2	15
Wayne	44	11.7%	33	28.3	1	12

Mental Distress and Deaths of Despair

County	% Frequent Mental Distress	Deaths of Despair 2010-2019 per 10,000 People	Total Deaths of Despair
Boone	22.0%	101	217
Cabell	19.0%	95	869
Clay	22.0%	49	42
Kanawha	18.0%	74	1318
Lincoln	20.0%	77	135
Logan	23.0%	82	192
Mason	16.0%	44	251
Mingo	22.0%	70	142
Putnam	21.0%	86	274
Wayne	21.0%	76	300

Transportation and Technology Accessibility

County	2021 % of Households Without a Vehicle	2021 % of Households Without Internet	2021 % of Households Without a Smart Phone
Boone	11.5%	20.4%	38.5%
Cabell	12.2%	21.6%	25.6%
Clay	8.0%	22.1%	42.1%
Kanawha	11.1%	18.0%	27.2%
Lincoln	10.3%	23.2%	37.2%
Logan	11.7%	18.2%	35.9%
Mason	8.5%	25.8%	38.7%
Mingo	13.8%	25.5%	43.3%
Putnam	3.9%	19.6%	23.0%
Wayne	9.8%	28.2%	40.3%



Population Under 18 Enrolled in Medicaid

County	2018	2019
Boone	3,502	3,377
Cabell	11,206	11,147
Clay	1,571	1,530
Kanawha	22,656	22,511
Lincoln	3,414	3,385
Logan	5,170	5,066
Mason	3,463	3,349
Mingo	4,560	4,583
Putnam	5,601	5,568
Wayne	5,809	5,782

2018 - %	2019 - %
70.2%	70.1%
59.2%	59.7%
79.1%	78.0%
60.3%	61.1%
72.1%	72.1%
74.0%	74.6%
61.7%	58.4%
82.7%	84.5%
43.6%	43.7%
67.3%	68.7%

Well Child Exams Covered by Medicaid

County	2018	2019
Boone	1963	1954
Cabell	6452	6555
Clay	1032	980
Kanawha	13559	13555
Lincoln	2061	2013
Logan	3081	2930
Mason	1537	1559
Mingo	2381	2137
Putnam	3216	3201
Wayne	3169	3088

Note: 2020 and 2021 data requested

Population Under 18 Without Health Insurance

County	2018	2019	2020
Boone	105	123	112
Cabell	463	526	377
Clay	0	0	0
Kanawha	1,118	841	886
Lincoln	90	155	117
Logan	234	379	401
Mason	557	392	312
Mingo	27	16	86
Putnam	281	362	399
Wayne	545	650	588

2018 -%	2019 -%	2020 -%
2.0%	2.5%	2.3%
2.3%	2.6%	1.9%
0.0%	0.0%	0.0%
2.8%	2.2%	2.3%
1.9%	3.2%	2.4%
3.2%	5.3%	5.7%
8.5%	6.2%	5.0%
0.5%	0.3%	1.6%
2.1%	2.7%	3.0%
6.0%	7.3%	6.7%

Population Under 65 Without Health Insurance

County	2018	2019	2020
Boone	1110	1139	944
Cabell	6320	6595	6461
Clay	378	293	301
Kanawha	10586	9578	9198
Lincoln	1502	1119	839
Logan	2171	1970	2038
Mason	1964	1674	1808
Mingo	1076	1079	1644
Putnam	2671	2837	2927
Wayne	2719	2405	1956

2018 -%	2019 -%	2020 -%
8.3%	8.7%	7.5%
11.1%	11.8%	11.8%
7.6%	6.1%	6.4%
9.7%	9.0%	8.8%
12.1%	9.2%	7.1%
11.0%	10.3%	11.0%
10.7%	9.3%	10.4%
7.3%	7.6%	12.0%
8.0%	8.6%	9.0%
11.6%	10.4%	8.6%

Population Under 65 With a Disability

County	2018	2019	2020	2018 -%	2019 -%	2020 -%
Boone	4206	3588	3315	22.6%	19.9%	19.0%
Cabell	10709	10153	10101	13.8%	13.3%	13.5%
Clay	1733	1767	1600	24.5%	25.4%	23.4%
Kanawha	19421	18369	18962	13.1%	12.6%	13.3%
Lincoln	3670	3099	2827	21.3%	18.3%	17.0%
Logan	5727	5489	5245	21.1%	20.9%	20.5%
Mason	3394	3048	3016	13.7%	12.5%	12.7%
Mingo	5016	4998	5234	24.6%	25.2%	27.2%
Putnam	3716	3480	3418	8.0%	7.5%	7.5%
Wayne	6076	6303	5946	18.6%	19.7%	18.9%

SNAP Enrollment Average Per Month

County	2016	2021	% - 2016	% - 2021
Boone	5781	5111	20.0%	22.9%
Cabell	19085	16370	20.0%	17.4%
Clay	3071	2595	33.0%	29.8%
Kanawha	33932	29063	18.0%	15.9%
Lincoln	-	5408	-	25.9%
Logan	-	8190	-	24.7%
Mason	5979	4874	22.0%	15.6%
Mingo	7863	7597	29.0%	31.3%
Putnam	6305	5740	11.0%	10.1%
Wayne	9457	8021	22.0%	19.9%

Note: Lincoln and Logan County 2016 data requested

WIC Average Monthly Cases

County	2016	2021
Boone	668	405
Cabell	2888	2072
Clay	685	284
Kanawha	4497	3223
Lincoln	-	360
Logan	-	712
Mason	672	511
Mingo	678	485
Putnam	899	580
Wayne	1072	649

Number of WIC Retailers in County

2016	2021
6	5
14	13
2	3
24	22
-	5
-	6
4	3
4	4
4	7
7	7

Students Eligible for Free and Reduced Meals

County	2016	2021	% - 2016	% - 2021
Boone	3218	3409	70.0%	95.2%
Cabell	8619	10088	62.0%	80.0%
Clay	1907	1774	100.0%	100.0%
Kanawha	17793	22019	62.0%	86.0%
Lincoln	-	3235	-	98.0%
Logan	-	5360	-	97.8%
Mason	2917	3199	67.0%	81.5%
Mingo	3931	4170	90.0%	100.0%
Putnam	3958	4322	40.0%	45.3%
Wayne	5161	5790	69.0%	84.9%

Note: Lincoln and Logan County 2016 data requested

Food Accessibility

County	2021 Number of Stores with Fresh Produce	2021 Total Number of Food Retailers
Boone	7	33
Cabell	17	98
Clay	4	14
Kanawha	37	223
Lincoln	5	24
Logan	9	54
Mason	6	32
Mingo	5	26
Putnam	9	57
Wayne	11	52

Sources:

2018 Births and Deaths: WV Health Statistics Center, Vital Statistics System

Population Under 18 Enrolled in Medicaid and Well Child Exams: WV DHHR Data Request

2018 Population Under 18 without Health Insurance and Population Under 65 without Insurance: <https://data.census.gov/cedsci/table?q=0400000US54,54%240500000&tid=ACSDP5Y2018.DP03>

2019 Population Under 18 without Health Insurance and Population Under 65 without Insurance: <https://data.census.gov/cedsci/table?q=0400000US54,54%240500000&tid=ACSDP5Y2019.DP03>

2020 Population Under 18 without Health Insurance and Population Under 65 without Insurance: <https://data.census.gov/cedsci/table?q=0400000US54,54%240500000&tid=ACSDP5Y2020.DP03>

2018 Population Under 65 with a Disability: <https://data.census.gov/cedsci/table?q=S1810&g=0400000US54,54%240500000&tid=ACSST5Y2018.S1810>

2019 Population Under 65 with a Disability: <https://data.census.gov/cedsci/table?q=S1810&g=0400000US54,54%240500000&tid=ACSST5Y2019.S1810>

2020 Population Under 65 with a Disability: <https://data.census.gov/cedsci/table?q=S1810&g=0400000US54,54%240500000&tid=ACSST5Y2020.S1810>

All 2016, 2021 Nutrition Data & Transportation & Technology:

<http://foodlink.wvu.edu/nn-county-profiles-web-2/>

Mental Distress & Deaths of Despair: WV Higher Education Policy Commission: <https://www.wvhepc.edu/inside-the-commission/offices-and-affiliates/health-sciences/behavioral-health/behavioral-health-initiative/data/>

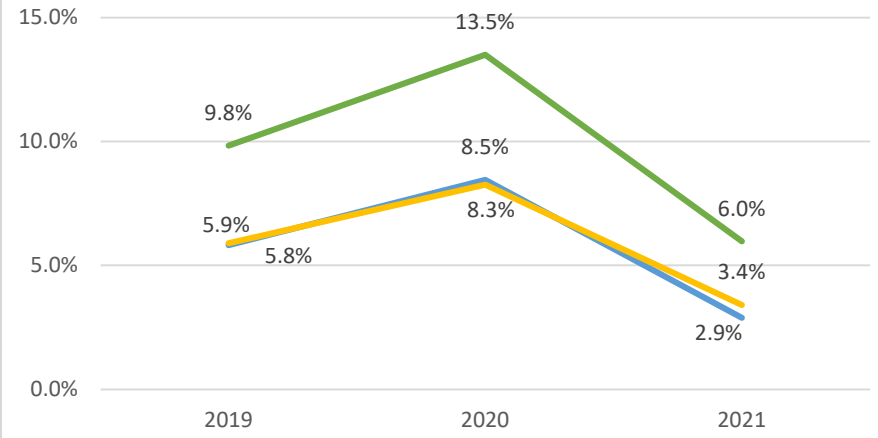
Substances

30-Day Use of Substances Reported by Middle & High School Students in Region 5

Percent of students during the past 30 DAYS that did the following on one or more days.	2019	2020	2021
at least one drink of alcohol?	9.8%	13.5%	6.0%
five or more drinks of alcohol in a row, that is, within a couple of hours?	5.8%	8.5%	2.9%
marijuana (pot, weed, grass, hash, bud)?	5.9%	8.3%	3.4%

Source: WV Department of Education 2019-2021 WV School Climate Survey,

*WV School Survey changed in 2022, so those new data cannot be comparable to previous years.
2022 numbers were 7.1% for alcohol, 4.8% for five or more drinks in a row and 4.6% for marijuana.



Risk of Harm Reported by Middle & High School Students in Region 5	2021	2021	2021	2021	2022	2022	2022	2022
How much do people risk harming themselves physically and in other ways when they do the following?	Great Risk or Harm	Moderate Risk or Harm	Slight Risk or Harm	No Risk or Harm	Great Risk or Harm	Moderate Risk or Harm	Slight Risk or Harm	No Risk or Harm
Drink alcohol occasionally	34.7%	21.8%	28.1%	14.8%	34.6%	21.1%	28.7%	15.2%
Have five or more drinks of an alcoholic beverage once or twice a week	44.2%	28.2%	16.2%	10.3%	44.9%	29.7%	15.6%	9.3%
Smoke marijuana occasionally	43.6%	21.3%	16.9%	17.1%	41.2%	22.0%	19.4%	16.8%
Use any other illegal drugs	75.0%	13.5%	2.1%	8.1%	72.9%	15.2%	3.0%	8.0%
Use a prescription drug without a doctor's order	66.9%	16.5%	5.7%	9.9%	63.3%	19.5%	7.3%	9.4%

Caregiver Disapproval of Substance Use Reported by Middle & High School Students in Region 5	2021	2021	2021	2021	2022	2022	2022	2022
How wrong do your parents or guardians feel it would be for you to...	Not wrong at all	A little bit wrong	Wrong	Very wrong	Not wrong at all	A little bit wrong	Wrong	Very wrong
have one or two drinks of an alcoholic beverage nearly every day?	1.7%	3.0%	10.3%	84.3%	2.1%	4.1%	10.9%	82.7%
smoke marijuana?	2.4%	3.8%	8.2%	84.3%	2.9%	5.0%	9.2%	82.4%
use any other illegal drugs?	1.4%	0.8%	3.9%	92.6%	1.6%	0.9%	4.8%	92.1%
use a prescription drug without a doctor's order?	2.8%	2.8%	6.9%	86.5%	3.3%	2.8%	8.9%	84.3%

Caregiver Communication About Substance Use Reported by Middle & High School Students in Region 5	2021	2021	2022	2022
During the past 12 months, have you...	No	Yes	No	Yes
talked with at least one of your parents or guardians about the dangers of alcohol, tobacco, or drug use?	41.6%	57.1%	39.6%	59.1%

Births with Neonatal Abstinence Syndrome

County	2018	2019	2020	2021
Boone	13	19	20	SUPPRESSED
Cabell	43	69	94	82
Clay	SUPPRESSED	SUPPRESSED	SUPPRESSED	SUPPRESSED
Kanawha	63	60	84	62
Lincoln	SUPPRESSED	18	15	13
Logan	18	17	36	17
Mason	11	12	SUPPRESSED	SUPPRESSED
Mingo	13	16	14	SUPPRESSED
Putnam	SUPPRESSED	17	14	16
Wayne	13	23	13	18

Births with Any Substance Exposure

2018	2019	2020	2021
41	42	42	28
111	111	136	123
SUPPRESSED	16	11	13
322	252	285	245
23	30	20	25
50	39	55	26
27	20	14	12
27	30	25	16
35	42	37	37
24	29	21	28

Total Prescriptions by Category 2021

County	Benzodiazepines	Buprenorphine	Naloxone	Opioids	Stimulants	Other	All Prescriptions County Total
Boone	672,035	243,889	336	1,447,404	142,272	1,644,005	4,149,941
Cabell	1,928,459	880,481	2,712	4,319,712	1,055,014	4,014,532	12,200,910
Clay	114,009	47,304	230	472,204	47,081	301,766	982,594
Kanawha	3,683,737	932,155	2,063	6,820,788	1,611,835	6,786,005	19,836,583
Lincoln	578,297	207,902	403	1,404,562	145,994	1,198,321	3,535,479
Logan	1,337,206	635,457	558	2,128,652	212,657	2,385,347	6,699,877
Mason	518,185	186,843	1,126	864,558	135,550	768,175	2,474,437
Mingo	694,102	308,336	368	1,005,009	66,788	1,306,193	3,380,796
Putnam	1,101,805	192,681	522	1,847,059	546,861	1,749,646	5,438,574
Wayne	456,652	200,569	410	1,096,522	169,828	1,054,955	2,978,936
Region Total	11,084,487	3,835,617	8,728	21,406,470	4,133,880	21,208,945	61,678,127

Total Prescriptions by Category 2018

County	Benzodiazepines	Buprenorphine	Naloxone	Opioids	Stimulants	Other	All Prescriptions County Total
Boone	1,279,147	244,485	127	1,987,821	234,909	2,149,387	5,895,876
Cabell	3,502,914	595,941	377	5,822,641	1,476,125	4,452,232	15,850,230
Clay	205,800	33,537	46	681,237	61,675	446,666	1,428,961
Kanawha	6,536,255	684,746	839	9,761,310	2,550,650	8,698,451	28,232,251
Lincoln	930,245	179,545	132	1,918,050	213,166	1,640,367	4,881,505
Logan	2,343,858	596,687	133	3,121,047	300,604	3,137,720	9,500,049
Mason	812,231	98,196	146	1,186,026	212,761	1,068,475	3,377,835
Mingo	1,077,212	208,762	84	1,338,360	77,210	1,836,415	4,538,043
Putnam	1,814,042	149,211	250	2,647,695	848,799	2,083,771	7,543,768
Wayne	812,262	170,845	75	1,508,861	235,509	1,214,417	3,941,969
Region Total	19,313,966	2,961,955	2,209	29,973,048	6,211,408	26,727,901	85,190,487

Sources:

All youth substance use data: WV School Climate Survey

Births with Neonatal Abstinence Syndrome: DHHR, Bureau for Public Health, Office of Maternal, Child and Family Health

All prescription drug data: WV PDMP <https://www.arcgis.com/apps/dashboards/4b314711d252496d941048cd4867ab85>

Justice

Child Abuse & Neglect Cases

County	2018	2019	2020	2021
Boone	86	177	144	97
Cabell	255	265	245	201
Clay	58	52	40	41
Kanawha	751	769	666	698
Lincoln	69	118	76	52
Logan	162	188	130	156
Mason	44	95	36	76
Mingo	108	96	44	75
Putnam	65	82	103	109
Wayne	85	93	90	92

Delinquency Cases

2018	2019	2020	2021
93	75	25	28
255	317	210	279
4	0	1	0
34	40	33	38
26	16	7	17
53	43	23	43
60	13	8	30
20	15	8	3
30	26	33	31
36	23	13	18

Status Offense Cases

2018	2019	2020	2021
104	180	27	59
163	221	62	75
2	2	1	0
10	15	4	25
48	28	18	17
11	1	2	19
11	41	1	33
13	7	1	5
104	82	55	92
43	53	19	27

Adoption Cases

County	2018	2019	2020	2021
Boone	33	50	67	51
Cabell	119	128	123	124
Clay	23	24	20	36
Kanawha	231	281	175	301
Lincoln	44	50	51	29
Logan	37	54	50	65
Mason	40	41	14	34
Mingo	56	52	50	40
Putnam	53	66	61	62
Wayne	75	86	46	63

Guardianship Cases

2018	2019	2020	2021
13	17	10	11
56	62	36	65
7	5	4	11
101	130	96	106
9	18	12	18
15	15	17	13
11	7	3	13
5	17	8	9
32	20	27	33
28	20	24	29

Mental Health Cases

2018	2019	2020	2021
132	89	84	65
1176	1213	1038	1035
23	20	10	13
899	832	519	593
89	83	73	64
102	114	76	61
79	72	30	75
46	63	46	39
92	91	108	95
101	86	97	74

Felony Cases

County	2018	2019	2020	2021
Boone	2	0	58	41
Cabell	487	420	255	370
Clay	43	34	32	43
Kanawha	659	648	320	404
Lincoln	154	138	88	68
Logan	154	146	151	264
Mason	101	85	62	70
Mingo	90	113	81	171
Putnam	160	180	124	161
Wayne	290	218	144	163

Misdemeanor Cases

2018	2019	2020	2021
82	59	24	3
64	126	25	18
1	0	0	2
174	177	107	115
9	8	4	15
8	15	14	16
6	9	1	12
3	1	1	6
9	15	6	9
25	13	10	26

Arrests for Driving Under the Influence

County	2018	2019	2020
Boone	24	21	25
Cabell	242	185	139
Clay	10	4	9
Kanawha	313	461	306
Lincoln	18	14	19
Logan	136	83	35
Mason	126	86	13
Mingo	75	37	34
Putnam	107	139	72
Wayne	81	59	41

Arrests for Drunkenness

2018	2019	2020
0	3	1
5	10	0
0	0	0
262	398	137
0	1	1
13	27	17
3	1	0
1	5	1
0	2	0
15	17	14

Arrests for Drug Equipment

2018	2019	2020
0	0	0
258	243	181
0	0	0
92	65	62
1	0	0
1	3	1
0	0	0
1	0	0
0	0	0
7	1	1

Arrests for Drugs/Narcotics

2018	2019	2020
70	95	110
949	1011	778
28	17	26
1864	2074	1779
69	49	64
418	461	388
104	102	94
46	46	60
170	171	110
155	148	144

Sources:

2018 Annual Statistics Report on Circuit, Family, and Magistrate Courts: <http://www.courtswv.gov/public-resources/press/Publications/index.html>

2019 Annual Statistics Report on Circuit, Family, and Magistrate Courts: <http://www.courtswv.gov/public-resources/press/Publications/index.html>

2020 Annual Statistics Report on Circuit, Family, and Magistrate Courts: <http://www.courtswv.gov/public-resources/press/Publications/index.html>

2021 Annual Statistics Report on Circuit, Family, and Magistrate Courts: <http://www.courtswv.gov/public-resources/press/Publications/index.html>

2018-2020 Arrest Data: West Virginia State Police data request

Data Sources



Census Data Center and Tables

<https://data.census.gov/cedsci/>

Census Bureau QuickFacts Table

<https://www.census.gov/quickfacts/fact/table/US/PST045221>



Workforce West Virginia Data Center

<http://lmi.workforcewv.org/default.html>



WV Department of Education Zoom Dashboard

<https://zoomwv.k12.wv.us/Dashboard/dashboard/28116>



Data and Publication Center

<https://www.wvhepc.edu/resources/data-and-publication-center/>



West Virginia Supreme Court Publications

<http://www.courtswv.gov/public-resources/press/Publications/index.html>



**U.S. Department of
Health and Human Services**
Centers for Disease
Control and Prevention

Centers for Disease Control and Prevent: Places Local Data for Better Health

<https://experience.arcgis.com/experience/22c7182a162d45788dd52a2362f8ed65>

WEST VIRGINIA
BOARD OF PHARMACY

WV Board of Pharmacy: <https://www.wvbop.com/article.asp?id=33>

WV Board of Pharmacy Dashboard: <https://www.arcgis.com/apps/dashboards/4b314711d252496d941048cd4867ab85>