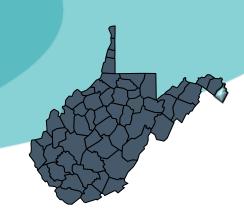
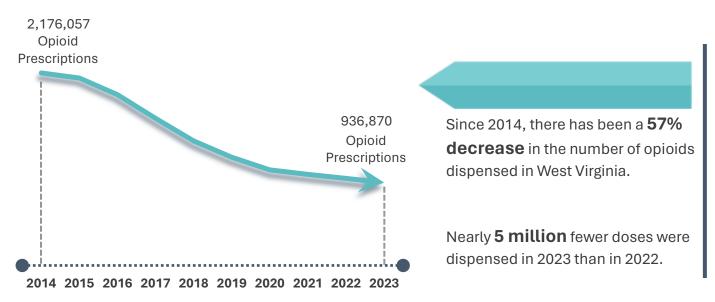
## West Virginia Board of Pharmacy Prescription Opioid Indicators Report

## Jefferson County 2023



Within the West Virginia Department of Health (DH) Bureau for Public Health, the West Virginia Violence and Injury Prevention Program (WV VIPP), in collaboration with the West Virginia Board of Pharmacy, under the direction of the Centers for Disease Control and Prevention (CDC), continues to work to address prescription drug misuse, diversion, and overdose within the state of West Virginia. Prescription drug overdose continues to be a major issue in West Virginia. Preliminary data from DH's Heath Statistics Center shows that in 2022, more than 1,400 people died in association with drug misuse (including prescription and illicit drugs) with a rate of 86.1 per 100,000 population. This is over two and a half times the national average. To help combat this epidemic, CDC provided specific opioid prescribing indicators to identify high-risk areas within the state to allow for intervention and community education.



Source: West Virginia Controlled Substance Monitoring Program

#### Indicator 1: Number and rate of opioid analgesics per 1,000 state residents

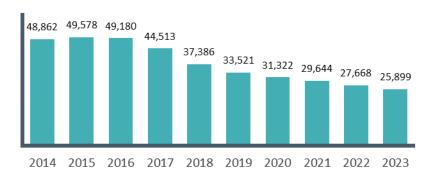
This indicator includes all opioid prescriptions that are classified as Schedule II, III, IV, or V. The figures below show the total number of opioid prescriptions for Jefferson County and the rate per 1,000 population compared to the state. Population estimates were obtained from US Census data.

Figure 1

Number of Opioid

Analgesics Dispensed,

Jefferson County, 2014-2023





# Figure 2 Rate of Opioid Analgesics per 1,000 Population in Jefferson County and West Virginia, 2014-2023

## What does this mean?

This indicator is important because it provides information about prescription opioid use for each county. This data will help determine areas where high prescribing/dispensing are occurring around the state and allow for education on responsible opioid prescribing. High rates of opioid dispensing mean there are large quantities of opioids that are out in the community. Positively, there was an overall decrease in both the rate and number of opioids being prescribed in Jefferson County and in West Virginia from 2014-2023.

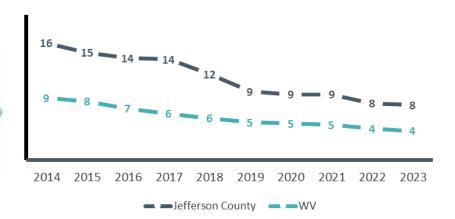
## Indicator 2: Percent of patients receiving more than an average daily dose of 90 morphine milligram equivalents (MME)

This indicator shows the total average daily dose of MMEs that a patient is taking. It includes all opioid prescriptions that are classified as Schedule II, III, IV, or V. MMEs are used as a measure to describe the potency of an opioid. Calculating MMEs is important to determine which patients may be at risk for an overdose. The figure below shows the percentage of patients with greater than an average daily dose of 90 MMEs in Jefferson County compared to the state during 2014-2023.

\*Note that the MME conversion factors for fentanyl, hydromorphone, methadone, and tramadol were updated in the 2022 Opioid Prescribing Guidelines in November 2022.

Figure 3

Percent of Patients Receiving More than an Average Daily Dose of 90 MME, Jefferson County and WV, 2014-2023



## What does this mean?

This indicator is important because it provides information for prescribers about how much morphine equivalent drug the patient is receiving. MMEs help determine the amount of morphine an opioid dose is equal to when prescribed, often used as a gauge of the misuse and overdose potential of the amount of opioid that is being given at a particular time. It is also a useful tool to identify high-burden areas in the state, which is important for public health surveillance at the county level. From 2014-2023, Jefferson County's percentage of patients receiving more than an average daily dose of 90 MMEs is higher than the state average but has decreased over this time.

## Indicator 3: Rate of multiple provider episodes for prescription opioids (5 or more prescribers and 5 or more pharmacies in a 6-month period) per 100,000 residents

This indicator shows the rate of patients who went to five or more prescribers and five or more pharmacies within a six-month period, or multiple provider episode (MPE). The rate is calculated per 100,000 population. It includes all opioid prescriptions that are classified as Schedule II, III, IV, or V.



#### Figure 4

Rate of Multiple Provider Episodes (MPE) for Prescription Opioids per 100,000 Population, Jefferson County and WV, 2014-2023

#### What does this mean?

This indicator is important because it provides valuable information on prescription filling behaviors. Patients who receive prescriptions from more than five doctors and who fill at more than five pharmacies are at greater risk of drug overdose. This indicator helps determine patients who may have drug-seeking habits (i.e., "doctor shopping"). From 2014-2023, West Virginia and Jefferson County had a considerable decrease in the rate of patients who qualified as having an MPE.

## Indicator 4: Percent of patients prescribed long-acting/extended-release opioids who were opioid-naïve

This indicator represents the percentage of patients with no prescribed opioid prescriptions in the previous 45 days\* who were prescribed at least one long acting/extended release (LA/ER) opioid, among all patients with LA/ER opioid prescriptions. It includes all opioid prescriptions that are classified as Schedule II, III, IV, or V.

\*Note that CDC changed the definition of "opioid-naïve" from 60 days to 45 days in 2017.

Figure 5

Percent of Opioid-Naive
Patients among Patients
Prescribed LA/ER Opioids,
Jefferson County, 2014-2023

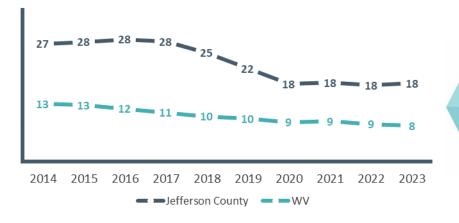


## What does this mean?

This indicator is important to understand because it provides information about individuals who are not accustomed to opioid medications, which may potentially increase the risk of opioid dependence, misuse, or overdose. CDC opioid prescribing guidelines recommend using immediate release (IR) opioids before taking long acting or extended-release opioids. From 2014-2023, Jefferson County had an overall decrease in patients who were opioid-naïve and prescribed LA/ER opioids.

## Indicator 5: Percent of patient prescription days with overlapping opioid prescriptions

This indicator shows the percentage of days in which more than one prescribed opioid prescription during the same period was dispensed, among all prescription days. It includes all opioid prescriptions that are classified as Schedule II, III, IV, or V.



#### Figure 6

Percent of Patient Prescribed Days Overlap Between Opioid Analgesics, Jefferson County and WV, 2014-2023

#### What does this mean?

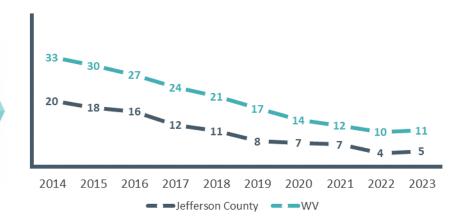
This indicator represents patients who may potentially be using their opioid prescriptions not as prescribed or may show areas where drug diversion is occurring. Using multiple opioid prescriptions during the same period increases the risk for drug dependency and overdose. It is important to understand this because a considerable number of drug overdose deaths include more than one opioid. From 2014-2023, Jefferson County had a higher percentage of prescription overlap compared to the state average. Additionally, there has been a steady decrease at both the county and state level since 2014.

## Indicator 6: Percent of patient prescription days with overlapping opioid and benzodiazepine prescriptions

This indicator represents the percentage of patients who had an opioid and a benzodiazepine (i.e., Alprazolam, Lorazepam, Diazepam) prescription on the same day among all opioid prescription days. It includes all opioid prescriptions that are classified as Schedule II, III, IV, or V and benzodiazepines.

Figure 7

Percent of Patient Prescribed Opioid Days that Overlap with Benzodiazepine Prescriptions, Jefferson County and WV, 2014-2023



#### What does this mean?

This indicator is important because it shows areas in the state where patients are using both opioids and benzodiazepine drugs at the same time. Taking an opioid with a benzodiazepine increases the risk for drug overdose and death, as both classes of medication depress the central nervous system. From 2014-2023, Jefferson County had a lower percentage of days where there was an overlapping opioid and benzodiazepine prescription than the state average. Additionally, there has been a steady decrease at both the county and state level since 2014.

## **County Rankings by Indicator**

BARBOUR  26  17  15  40  22  39  BERKELEY  44  5  44  5  41  20  BOONE  2  50  15  25  52  9  BRAXTON  34  15  15  34  10  33  BROOKE  42  27  15  1  1  5  34  10  33  BROOKE  42  27  15  1  5  46  27  15  1  5  46  27  CABELL  10  42  14  7  35  5  46  27  CLAV  5  30  15  48  20  42  20  42  DODORIDGE  53  11  15  17  8  52  RAYETTE  15  37  15  36  37  38  SILMER  52  28  15  44  21  51  SGRANT  35  SGRANT  36  SGRANT  37  39  15  SGRANT  35  SGRANT  36  SGRANT  37  39  15  SGRANT  30  SGRANT  35  SGRANT  36  SGRANT  37  39  15  SGRANT  30  SGRANT  36  SGRANT  37  39  15  SGRANT  30  SGRANT  30  SGRANT  31  SGRANT  35  SGRANT  36  SGRANT  37  39  15  SGRANT  30  SGRANT							
BERKELEY  A4	Patient County	Indicator 1	Indicator 2	Indicator 3	Indicator 4	Indicator 5	Indicator 6
BOONE 2 2 50 15 25 52 9 9 8BAXTON 34 115 15 34 10 33 8BROOKE 42 27 15 1 6 33 4 10 33 8BROOKE 42 27 15 1 6 33 4 10 33 8BROOKE 42 27 15 1 6 33 5 5 CARELL 10 42 14 7 35 5 5 46 27 CLAY 5 30 15 48 20 42 DODORIDGE 53 11 15 17 8 52 FAYETTE 15 37 15 36 37 38 GILMER 52 28 15 44 21 51 51 6 GRANT 35 34 15 21 9 36 GREENBRIER 14 10 8 44 27 30 HARDYSHIRE 30 9 15 52 3 18 FANCOCK 37 29 15 3 3 5 3 18 FANCOCK 37 29 15 3 3 5 5 3 18 FANCOCK 37 29 15 3 3 5 5 14 FARRISON 11 26 12 14 31 25 FAXESTON 28 55 6 25 32 23 EFFERSON 46 3 15 37 4 44 44 FARRISON 11 6 52 13 12 14 31 25 FAXESTON 28 55 6 25 32 23 EFFERSON 46 3 15 49 18 47 LINCOLN 3 40 15 18 8 47 LINCOLN 3 6 FARRISON 1 1 45 7 30 51 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	BARBOUR	26	17	15	40		39
BRANTON BROOKE  42 27 15 16 33 BROOKE  42 27 15 16 33 CABELL  10 42 14 7 35 5 5 CALHOUN 17 46 15 5 48 20 42 CLAY 5 30 15 48 20 42 CLAY 5 36 GRENDRIDGE 53 11 15 17 8 52 CLAY 15 16 37 38 GLIMER 52 28 15 44 21 51 63 GRENTIR 35 34 15 21 9 36 GRENTIR 35 34 15 21 9 36 GRENTIR 35 34 15 21 9 36 GRENTIR 36 GRENTIR 37 38 HANCOCK 37 29 15 3 5 3 15 3 4 15 27 30 HARRISON 11 26 12 14 31 25 31 32 33 15 34 15 34 15 25 37 44 44 44 44 44 44 44 44 44 44 44 44 44	BERKELEY		_				
BROOKE 42 27 15 1 6 33 CABELL 10 42 14 7 35 5 5 CALHOUN 17 46 15 5 46 27 CLAY 5 30 15 48 20 42 DODDRIDGE 53 11 15 17 8 52 FAYETTE 15 37 15 36 37 38 GILMER 52 28 15 44 21 51 GRANT 35 34 15 21 9 36 GREENBRIER 14 10 8 44 27 30 HAMPSHIRE 30 9 15 52 3 18 HARICOCK 37 29 15 3 5 3 18 HARRISON 11 26 12 14 31 25 HARRISON 12 26 12 14 31 25 HARRISON 16 52 13 15 37 4 44 KANAWHA 16 52 13 12 39 25 LEWIS 14 33 15 49 18 47 LUNCOLN 3 40 15 18 38 6 LOGAN 1 45 7 30 51 MARION 36 36 11 43 42 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 3 3 22 47 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 33 22 47 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 33 22 47 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 33 22 47 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 33 22 47 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 33 22 47 7 MARON 21 51 34 22 34 21 MASON 21 51 3 22 47 7 MARONALL 18 24 15 22 34 21 MASON 21 51 34 22 34 21 MASON 21 51 51 3 22 47 7 MARONALL 18 24 15 22 34 21 MASON 21 51 51 3 22 47 7 MARONALL 18 24 15 22 34 21 MASON 21 51 51 3 22 47 7 MARONALL 35 51 3 15 14 15 12 54 11 13 39 MERCER 33 19 15 18 25 23 MINGO 9 47 15 18 25 23 MINGO 9 47 15 12 54 11 13 3 PLEASANIS 49 22 15 10 52 46 POCAHONINS 38 2 15 51 26 30 PRESTON 45 7 9 27 17 48 PULTNAM 31 43 15 34 32 17 RALEIGH 32 39 10 30 42 20 RANDOLPH 25 12 5 14 49 50 RANDOLPH 25 12 5 14 49 50 REMERCER 40 18 15 55 28 18 RONNE 20 53 15 9 28 44 WAYNE 50 38 15 30 36 36 34 WEBSTER 40 18 35 15 30 40 15	BOONE	2	50	15	25	52	9
CABELL 10 42 14 7 35 5 CALHOUN 17 46 15 5 46 27 CLAY 5 30 15 48 20 42 DODDRIDGE 53 11 15 17 8 52 AYETTE 15 37 15 36 37 38 GILMER 52 28 15 44 21 51 GREENBIER 14 10 8 44 27 30 HAMDSHIRE 30 9 15 52 3 18 HANCOCK 37 29 15 3 5 53 HARRY 48 15 53 15 14 HARRYO 48 48 15 53 15 14 HARRYON 11 26 12 14 31 25 JACKSON 28 55 6 25 32 23 JEFFERSON 46 3 15 37 4 KANAWHA 16 52 13 12 39 25 LEWIS 24 33 15 18 49 LINCOLN 3 40 15 18 38 6 LOGAN 1 45 7 30 51 2 LOGAN 1 45 7 30 51 2 MARSHALL 18 24 15 12 24 34 22 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 3 32 22 37 MINEGO 9 47 15 18 25 34 21 MINERAL 39 25 15 13 32 22 37 MINEGO 9 47 15 18 25 23 MINERAL 39 25 15 14 39 MINERAL 39 25 15 15 14 39 MINERAL 39 25 15 15 14 39 MINERAL 39 25 15 15 14 42 31 22 39 MINERAL 39 25 15 15 12 24 39 MINERAL 39 25 15 15 27 7 MCDOWELL 42 4 15 44 24 39 MINERAL 39 25 15 15 27 7 MCOOWELL 41 8 15 12 22 34 21 MONONOSALIA 55 13 15 14 15 12 39 MINERAL 39 25 15 15 27 7 MCOOWELL 41 8 15 15 18 25 23 MINERAL 39 25 15 15 27 7 MCOOWELL 41 8 15 15 18 25 23 MINERAL 39 25 15 15 27 7 MCOOWELL 41 8 15 15 18 25 23 MINERAL 39 25 15 15 27 7 MCOOWELL 41 8 15 15 18 25 23 MINERAL 39 25 15 15 27 7 MCOOWELL 41 8 15 15 18 25 23 MINERAL 39 25 15 15 27 7 MCOOWELL 41 8 15 15 18 25 23 MINERAL 39 25 15 15 27 7 MCOOWELL 41 8 15 15 16 50 27 MCOOWELL 41 8 15 15 16 50 24 66 MCONONIS 45 7 9 27 17 MCOOWELL 41 8 15 55 28 18 MCOOL 41 8 55 51 31 55 30 30 36 36 31 MCOOL 41 8 55 51 31 55 30 30 36 30 36 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 00 40 55 MCOOL 43 35 51 51 50 0	BRAXTON						
CALHOUN  CLAY  S  30  15  46  27  CLAY  S  30  15  48  20  42  DODDRIDGE  53  11  15  17  8  52  RAYETTE  15  37  15  36  37  38  GILMER  52  28  15  44  21  51  53  6RANT  35  34  15  21  9  36  GREENBRIER  14  10  8  44  27  30  HAMPSHIRE  30  9  15  52  3  18  HANICOCK  37  29  15  3  53  15  14  HARRISON  11  26  12  14  31  25  16  16  17  18  17  18  52  31  18  18  18  18  19  15  15  21  14  15  15  21  14  15  15  21  14  16  16  17  18  18  17  18  18  18  19  16  17  18  18  18  19  10  10  10  10  10  10  10  10  10							
DATE	CABELL						
DODDRIDGE         53         11         15         17         8         52           FAYETTE         15         37         15         36         37         38           GILMER         52         28         15         44         21         51           GRANT         35         34         15         21         9         36           GRENBRIER         14         10         8         44         27         30           HAMPSHIRE         30         9         15         52         3         18           HAMPSON         48         48         15         53         15         14           HARRISON         11         26         12         14         31         25           JEFFERSON         46         3         15         49         18         47           LIEWIS         24         33							
FAYETTE 15 37 15 36 37 38 [SILMER] 52 28 15 44 21 51 [SILMER] 52 28 15 44 21 51 9 36 [SILMER] 52 35 34 15 21 9 36 [SILMER] 44 10 8 44 27 30 36 [SILMER] 44 10 8 44 27 30 31 18 [SILMER] 52 3 18 3 5 5 53 18 [SILMER] 52 3 18 [SILMER] 53 15 5 3 15 [SILMER] 53 15 [SILMER] 54 [SILMER] 55							
GILMER  52							
GRANT 35 34 15 21 9 36 GREENBRIER 14 10 8 44 27 30 HAMPSHIRE 30 9 15 52 3 18 HANCOCK 37 29 15 3 5 15 14 HARDY 48 48 48 15 53 15 14 HARRISON 11 26 12 14 31 25 JACKSON 28 55 6 25 32 23 JEFFERSON 46 3 15 37 4 44 KANAWHA 16 52 13 12 39 25 LEWIS 24 33 15 49 18 47 LINCOLN 3 40 15 18 38 6 LOGAN 1 45 7 30 51 2 MARION 36 36 11 43 42 7 30 51 2 MARION 36 36 11 43 42 7 30 51 2 MARSON 21 51 3 22 34 7 7 30 51 2 MASSON 21 51 3 22 34 7 7 30 51 2 MASSON 21 51 3 3 22 47 7 7 MCDOWELL 18 24 15 22 34 21 39 25 15 37 MINGO 9 47 15 18 18 25 23 31 31 32 31 32 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 33 31 31							
GREENBRIER  14  10  8  44  27  30  HAMPSHIRE  30  9  15  52  3  18  HANCOCK  37  29  15  3  5  53  HARDY  48  48  15  53  15  14  431  25  JACKSON  28  55  6  25  32  23  JEFFERSON  46  3  15  37  44  44  44  48  ANAWHA  16  52  13  12  39  25  LEWIS  LEWIS  LUKOLIN  3  40  15  18  38  6  LOGAN  1  45  7  30  51  2  MARION  36  36  11  43  42  7  MARION  36  36  11  43  42  7  MARION  36  36  11  43  42  7  MARDOWELL  22  4  15  42  41  42  439  MERCER  33  19  15  18  22  34  MINEOR  MINEO  9  47  15  12  54  MONONGALIA  55  13  15  16  17  18  18  17  18  18  19  15  18  25  23  MINROL  MONONGALIA  55  13  15  16  17  18  17  18  18  19  15  18  15  17  18  17  18  18  19  15  18  25  23  MINROL  MONONGALIA  55  13  15  16  17  17  18  17  17  18  17  18  18  19  15  18  15  17  18  17  18  18  18  18  19  15  18  15  17  18  18  18  18  19  19  19  19  19  19							
HAMPSHIRE HANCOCK 37 29 15 3 5 3 18 HARDV 48 48 48 15 53 15 14 HARRISON 11 26 12 14 31 125 132 12 32 13 14 14 15 15 37 4 44 44 44 15 16 52 13 15 37 4 44 44 44 44 16 52 13 15 18 18 38 6 10 10 10 10 10 11 10 10 10 10 10 10 10							
HANCOCK 37							
HARDY							
HARRISON 11 26 12 14 31 25 JACKSON 28 55 6 25 32 23 JEFFERSON 46 3 15 37 4 44 KANAWHA 16 52 13 12 39 25 LEWIS 24 33 15 49 18 47 LINCOLN 3 40 15 18 38 6 LOGAN 1 45 7 30 51 2 MARION 36 36 11 43 42 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 3 22 47 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 3 22 47 7 MINERAL 39 25 15 49 28 38 19 15 18 25 MINERAL 39 25 15 27 7 MINGO 9 47 15 12 54 1 MONROCE 54 20 15 6 50 27 MORGAN 29 1 15 6 50 27 MORGAN 29 1 15 6 6 50 27 MORGAN 41 8 15 27 7 12 11 PENDLETON 19 6 1 41 11 37 PENDLETON 19 6 1 41 11 39 PILEASANTS 49 22 15 10 52 46 POCAHONTAS 38 2 15 51 26 30 PRESTON 45 7 9 27 17 48 PUTNAM 31 43 15 8 55 48 ROANE 20 53 15 9 28 44 SUMMERS 12 23 15 50 RANDOLPH 25 12 5 48 ROANE 20 53 15 9 28 44 SUMMERS 12 23 15 50 RANDOLPH 25 12 5 48 SUMMERS 12 23 15 50 RANDOLPH 25 12 5 48 SUMMERS 12 23 15 50 RANDOLPH 25 12 5 44 SUMMERS 12 23 15 50 RANDOLPH 25 12 5 44 SUMMERS 12 23 15 55 RANDOLPH 25 12 5 8 8 55 8 8 8 ROANE 20 53 15 9 28 8 44 SUMMERS 12 23 15 55 18 18 18 55 TAYLOR 27 41 15 55 28 18 SUMMERS 12 23 15 55 18 18 18 55 TAYLOR 27 41 15 55 28 18 SUMMERS 12 23 15 55 28 18 SUMMERS 14 55 30 36 3 3 UPSHUR 51 21 15 54 14 54 WAYNE 50 38 15 30 36 3 3 WETZEL 23 44 15 10 47 21 WIRT 7 54 15 30 40 15							
JACKSON   28							
JEFFERSON   46							
KANAWHA 16 52 13 12 39 25  LEWIS 24 33 15 49 18 47  LINCOLN 3 40 15 18 38 6  LOGAN 1 45 7 30 51 2  MARION 36 36 11 43 42 7  MARSHALL 18 24 15 22 34 21  MASON 21 51 3 22 47 7  MCDOWELL 22 4 15 24 39  MERCER 33 19 15 18 25 23  MINERAL 39 25 15 27 7  MINGO 9 47 15 12 54 1  MONONGALIA 55 13 15 14 15 12  MONONGAIA 55 13 15 14 15 12  MONONGAN 29 1 15 6 50 27  MORAGAN 29 1 15 47 1 37  NICHOLAS 6 32 2 22 22 22 15  OHIO 41 8 15 27 12 11  PENDLETON 19 6 1 41 11 3  PLEASANTS 49 22 15 10 52 46  PUTNAM 31 43 15 34 32 17  RALEIGH 32 39 10 30 42 20  RANDOLPH 25 12 5 12 5 48  SUMMERS 12 39 10 30 42 20  RANDOLPH 25 12 5 12 5 48  SUMMERS 12 23 15 50 88  MINERS 12 23 15 9 27 17 48  SUMMERS 12 23 15 9 27 17 48  SUMMERS 12 23 15 9 28 13  TAYLOR 27 41 15 5 5 28 18  TAYLOR 27 41 15 5 5 28 18  TAYLOR 27 41 15 55 28 18  TAYLOR 27 41 15 55 28 18  TAYLOR 27 41 15 15 15 15 15 15 15  TYLER 47 31 15 15 14 15 15  TYLER 47 31 15 15 18 18  TYLER 47 31 15 15 30 36 36 3  WEBSTER 4 16 15 38 13 39  WETZEL 23 44 15 15 2 40 32  WOOD 43 35 15 30 40 155							
LEWIS 24 33 15 49 18 47  LINCOLN 3 40 15 18 38 6  LOGAN 1 45 7 30 51 2  MARION 36 36 11 43 42 7  MARSHALL 18 24 15 22 34 21  MASON 21 51 3 22 47 7  MCDOWELL 22 4 15 44 24 39  MERCER 33 19 15 18 25 23  MINERAL 39 25 15 7 7 27  MINGO 9 47 15 12 54 1  MONONGALIA 55 13 15 14 15 12  MONONGALIA 55 13 15 14 15 12  MONROBE 54 20 15 6 50 27  MICHOLAS 6 32 2 22 22 21  MICHOLAS 6 32 2 22 22 21  DOHIO 41 8 15 27 12 11  PENDLETON 19 6 1 41 11 3  PLEASANTS 49 22 15 10 52 46  POCCAHONTAS 38 2 15 51 26 30  PRESTON 45 7 9 27 17 48  PUTNAM 31 43 15 8 34 32 17  RALEIGH 32 39 10 30 42 20  RANDOLPH 25 12 5 12 5 48  SUMMERS 12 23 15 9 28 14  SUMMERS 12 23 15 9 28 14  SUMMERS 12 23 15 9 28 14  SUMMERS 12 23 15 9 28 18  TAYLOR 27 41 15 55 28 18  TYLER 47 31 15 3 49 28 13  TAYLOR 27 41 15 55 28 18  TYLER 47 31 15 3 49 38 55  TYLER 47 31 15 34 39 28 39 10 30 42 20  RANDOLPH 25 12 23 15 9 28 18  TYLER 47 31 15 34 49 35 55 28 18  TYLER 47 31 15 34 49 35 55 28 18  TYLER 47 31 15 34 39 28 39 10 30 30 32 30 30 30 30 30 30 30 30 30 30 30 30 30							
LINCOLN 3 40 15 18 38 6 LOGAN 1 45 7 30 51 2 MARION 36 36 11 43 42 7 MARION 36 36 11 43 42 7 MARSHALL 18 24 15 22 34 21 MASON 21 51 3 22 47 7 MCDOWELL 22 4 15 44 24 39 MERCER 33 19 15 18 25 23 MINERAL 39 25 15 27 7 27 MINGO 9 47 15 12 54 1 MONONGALIA 55 13 15 14 15 12 MONONGALIA 55 13 15 14 15 12 MONROE 54 20 15 6 50 27 MICHOLAS 6 32 2 22 22 15 OHIO 41 8 15 27 12 11 PENDLETON 19 6 1 41 11 3 PLEASANTS 49 22 15 10 52 46 POCAHONTAS 38 2 15 51 26 30 PRESTON 45 7 9 27 17 48 PUTNAM 31 43 15 34 32 17 RALEIGH 32 39 10 30 42 20 RANDOLPH 25 12 5 14 49 50 RITCHIE 13 49 15 8 55 14 49 50 RITCHIE 13 49 15 8 55 14 49 50 RITCHIE 13 49 15 8 55 14 49 50 RITCHIE 13 49 15 8 55 14 49 50 RITCHIE 13 49 15 8 55 14 49 50 RITCHIE 13 49 15 8 55 28 18 ROANE 20 53 15 9 28 44 SUMMERS 12 23 15 15 15 18 18 18 55 TYLER 47 31 15 15 18 18 18 55 TYLER 47 31 15 15 34 42 33 UPSHUR 51 21 15 55 28 18 TUCKER 40 18 15 30 36 3 WEBSTER 4 16 15 38 15 30 30 WEBSTER 4 16 15 38 13 39 WETZEL 23 44 15 10 47 21 WOOD 43 35 15 9 40 32 WOOD 43 35 15 9 40 32 WOOD 43 355 15 30 40 15							
LOGAN							
MARION         36         36         11         43         42         7           MARSHALL         18         24         15         22         34         21           MASON         21         51         3         22         47         7           MCDOWELL         22         4         15         44         24         39           MERCER         33         19         15         18         25         23           MINERAL         39         25         15         27         7         27           MINGO         9         47         15         12         54         1           MONORGALIA         55         13         15         6         50         27           MONGAN         29         1         15         6         50         27           MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         22         22         22         15           OHIO         41         8         15         27         12         11         19         6         1         41					_		
MARSHALL         18         24         15         22         34         21           MASON         21         51         3         22         47         7           MCDOWELL         22         4         15         44         24         39           MERCER         33         19         15         18         25         23           MINERAL         39         25         15         27         7         27           MINGO         9         47         15         12         54         1           MONONGALIA         55         13         15         14         15         12           MONROE         54         20         15         6         50         27           MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         2         22         22         15           OHIO         41         8         15         27         12         11           PENDLETON         19         6         1         41         11         3           PLEASANTS         49         22 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
MASON         21         51         3         22         47         7           MCDOWELL         22         4         15         44         24         39           MERCER         33         19         15         18         25         23           MINERAL         39         25         15         27         7         27           MINERAL         39         25         15         27         7         27           MINERO         9         47         15         12         54         1           MONOGALIA         55         13         15         14         15         12           MONRGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         2         22         22         15           OHIO         41         8         15         27         12         11         9         6         1         41         11         3         3         12         11         9         14         11         3         3         12         11         9         14         11         13         3							-
MCDOWELL         22         4         15         44         24         39           MERCER         33         19         15         18         25         23           MINERAL         39         25         15         27         7         27           MINGO         9         47         15         12         54         1           MONORGALIA         55         13         15         14         15         12           MONROE         54         20         15         6         50         27           MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         22         22         22         15           OHIO         41         8         15         27         12         11         19         6         1         41         11         3         11         3         11         3         11         3         11         3         11         3         11         3         11         3         11         3         11         3         11         3         11         3         11							
MERCER         33         19         15         18         25         23           MINERAL         39         25         15         27         7         27           MINGO         9         47         15         12         54         1           MONONGE         54         20         15         6         50         27           MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         22         22         15           MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         22         22         12         11           POHIOLAS         6         32         2         2         22         15         10         12         11         11         37         11         13         37         11         13         13         13         13         13         14         11         13         37         11         13         14         11         11         37         11         14         11         11         11<							
MINERAL         39         25         15         27         7         27           MINGO         9         47         15         12         54         1           MONONGALIA         55         13         15         14         15         12           MONROE         54         20         15         6         50         27           MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         22         22         22         15           OHIO         41         8         15         27         12         11           PENDLETON         19         6         1         41         11         3           PLEASANTS         49         22         15         10         52         46           POCAHONTAS         38         2         15         51         26         30           PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           RALEIGH         32         39							
MINGO 9 47 15 12 54 1  MONONGALIA 55 13 15 14 15 12  MONROE 54 20 15 6 50 27  MORGAN 29 1 15 47 1 37  NICHOLAS 6 32 2 22 22 15  OHIO 41 8 15 27 12 11  PENDLETON 19 6 1 41 11 3  PLEASANTS 49 22 15 10 52 46  POCAHONTAS 38 2 15 51 26 30  PRESTON 45 7 9 27 17 48  PUTNAM 31 43 15 34 32 17  RALEIGH 32 39 10 30 42 20  RANDOLPH 25 12 5 14 49 50  RITCHIE 13 49 15 8 55 48  ROANE 20 53 15 9 28 18  TYLER 47 31 15 54 14 54  WAYNE 50 38 15 30 36 3  WEBSTER 4 16 15 38 13 39  WETZEL 23 44 15 10 47 21  WIRT 7 54 15 2 40 32  WOOD 43 35 15 9 40 32  WOOD 43 35 15 9 40 32  WOOD 43 35 15 10 47 21  WIRT 7 54 15 2 40 32  WOOD 43 35 15 9 40 32  WOOD 43 35 15 9 40 32  WOOD 43 35 15 15 30 40 15							
MONONGALIA         55         13         15         14         15         12           MONROE         54         20         15         6         50         27           MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         22         22         15           OHIO         41         8         15         27         12         11           PENDLETON         19         6         1         41         11         3           PLEASANTS         49         22         15         10         52         46           POCAHONTAS         38         2         15         51         26         30           PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           RALEIGH         32         39         10         30         42         20           RANDOLPH         25         12         5         14         49         50           RITCHIE         13         49         <							
MONROE         54         20         15         6         50         27           MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         22         22         15           OHIO         41         8         15         27         12         11           PENDLETON         19         6         1         41         11         3           PLEASANTS         49         22         15         10         52         46           POCAHONTAS         38         2         15         51         26         30           PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           RALEIGH         32         39         10         30         42         20           RANDOLPH         25         12         5         14         49         50           RITCHIE         13         49         15         8         55         48           ROANE         20         53         15<							
MORGAN         29         1         15         47         1         37           NICHOLAS         6         32         2         22         22         15           OHIO         41         8         15         27         12         11           PENDLETON         19         6         1         41         11         3           PLEASANTS         49         22         15         10         52         46           POCAHONTAS         38         2         15         51         26         30           PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           RALEIGH         32         39         10         30         42         20           RANDOLPH         25         12         5         14         49         50           RITCHIE         13         49         15         8         55         48           ROANE         20         53         15         9         28         13           TAYLOR         27         41         15<							
NICHOLAS  6  32  2  22  15  OHIO  41  8  15  27  12  11  PENDLETON  19  6  1  41  11  3  PLEASANTS  49  22  15  10  52  46  POCAHONTAS  38  2  15  51  26  30  PRESTON  45  7  9  27  17  48  PUTNAM  31  43  15  34  32  17  RALEIGH  32  39  10  30  42  20  RANDOLPH  25  12  5  14  49  50  RITCHIE  13  49  15  8  55  48  ROANE  20  53  15  9  28  44  SUMMERS  12  23  15  49  28  13  TAYLOR  27  41  15  55  28  18  TUCKER  40  18  15  31  15  34  28  15  30  30  36  3  WEBSTER  4  16  15  38  15  30  40  15  30  40  15  47  21  WIRT  7  54  15  2  40  32  WOOD  43  35  15  9  40  32  40  35  40  15  40  32  40  35  40  15  40  36  37  40  37  40  40  40  40  40  40  40  40  40  4							
OHIO         41         8         15         27         12         11           PENDLETON         19         6         1         41         11         3           PLEASANTS         49         22         15         10         52         46           POCAHONTAS         38         2         15         51         26         30           PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           PUTNAM         31         43         15         34         32         20           RALEIGH         32         39         10         30         42         20           RANDOLPH         25         12         5         14         49         50           RITCHIE         13         49 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
PENDLETON         19         6         1         41         11         3           PLEASANTS         49         22         15         10         52         46           POCAHONTAS         38         2         15         51         26         30           PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           RALEIGH         32         39         10         30         42         20           RANDOLPH         25         12         5         14         49         50           RITCHIE         13         49         15         8         55         48           ROANE         20         53         15         9         28         44           SUMMERS         12         23         15         49         28         13           TAYLOR         27         41         15         55         28         18           TUCKER         40         18         15         18         18         55           TYLER         47         31 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
PLEASANTS         49         22         15         10         52         46           POCAHONTAS         38         2         15         51         26         30           PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           RALEIGH         32         39         10         30         42         20           RANDOLPH         25         12         5         14         49         50           RITCHIE         13         49         15         8         55         48           ROANE         20         53         15         9         28         44           SUMMERS         12         23         15         49         28         13           TAYLOR         27         41         15         55         28         18           TUCKER         40         18         15         18         18         55           TYLER         47         31         15         3         42         33           UPSHUR         51         21 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
POCAHONTAS         38         2         15         51         26         30           PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           RALEIGH         32         39         10         30         42         20           RANDOLPH         25         12         5         14         49         50           RITCHIE         13         49         15         8         55         48           ROANE         20         53         15         9         28         44           SUMMERS         12         23         15         49         28         13           TAYLOR         27         41         15         55         28         18           TUCKER         40         18         15         18         18         55           TYLER         47         31         15         3         42         33           UPSHUR         51         21         15         54         14         54           WAYNE         50         38         15<			-				
PRESTON         45         7         9         27         17         48           PUTNAM         31         43         15         34         32         17           RALEIGH         32         39         10         30         42         20           RANDOLPH         25         12         5         14         49         50           RITCHIE         13         49         15         8         55         48           ROANE         20         53         15         9         28         44           SUMMERS         12         23         15         49         28         13           TAYLOR         27         41         15         55         28         18           TUCKER         40         18         15         18         18         55           TYLER         47         31         15         3         42         33           UPSHUR         51         21         15         54         14         54           WAYNE         50         38         15         30         36         3           WETZEL         23         44         15							
PUTNAM       31       43       15       34       32       17         RALEIGH       32       39       10       30       42       20         RANDOLPH       25       12       5       14       49       50         RITCHIE       13       49       15       8       55       48         ROANE       20       53       15       9       28       44         SUMMERS       12       23       15       49       28       13         TAYLOR       27       41       15       55       28       18         TUCKER       40       18       15       18       18       55         TYLER       47       31       15       3       42       33         UPSHUR       51       21       15       54       14       54         WAYNE       50       38       15       30       36       3         WETZEL       23       44       15       10       47       21         WIRT       7       54       15       2       40       32         WOOD       43       35       15       30							
RALEIGH       32       39       10       30       42       20         RANDOLPH       25       12       5       14       49       50         RITCHIE       13       49       15       8       55       48         ROANE       20       53       15       9       28       44         SUMMERS       12       23       15       49       28       13         TAYLOR       27       41       15       55       28       18         TUCKER       40       18       15       18       18       55         TYLER       47       31       15       3       42       33         UPSHUR       51       21       15       54       14       54         WAYNE       50       38       15       30       36       3         WEBSTER       4       16       15       38       13       39         WETZEL       23       44       15       10       47       21         WIRT       7       54       15       2       40       32         WOOD       43       35       15       30							
RANDOLPH       25       12       5       14       49       50         RITCHIE       13       49       15       8       55       48         ROANE       20       53       15       9       28       44         SUMMERS       12       23       15       49       28       13         TAYLOR       27       41       15       55       28       18         TUCKER       40       18       15       18       18       55         TYLER       47       31       15       3       42       33         UPSHUR       51       21       15       54       14       54         WAYNE       50       38       15       30       36       3         WEBSTER       4       16       15       38       13       39         WETZEL       23       44       15       10       47       21         WIRT       7       54       15       2       40       32         WOOD       43       35       15       30       40       15							
RITCHIE 13 49 15 8 55 48  ROANE 20 53 15 9 28 44  SUMMERS 12 23 15 49 28 13  TAYLOR 27 41 15 55 28 18  TUCKER 40 18 15 18 18 55  TYLER 47 31 15 3 42 33  UPSHUR 51 21 15 54 14 54  WAYNE 50 38 15 30 36 3  WEBSTER 4 16 15 38 13 39  WETZEL 23 44 15 10 47 21  WIRT 7 54 15 2 40 32  WOOD 43 35 15 30 40 15							
ROANE       20       53       15       9       28       44         SUMMERS       12       23       15       49       28       13         TAYLOR       27       41       15       55       28       18         TUCKER       40       18       15       18       18       55         TYLER       47       31       15       3       42       33         UPSHUR       51       21       15       54       14       54         WAYNE       50       38       15       30       36       3         WEBSTER       4       16       15       38       13       39         WETZEL       23       44       15       10       47       21         WIRT       7       54       15       2       40       32         WOOD       43       35       15       30       40       15							
SUMMERS     12     23     15     49     28     13       TAYLOR     27     41     15     55     28     18       TUCKER     40     18     15     18     18     55       TYLER     47     31     15     3     42     33       UPSHUR     51     21     15     54     14     54       WAYNE     50     38     15     30     36     3       WEBSTER     4     16     15     38     13     39       WETZEL     23     44     15     10     47     21       WIRT     7     54     15     2     40     32       WOOD     43     35     15     30     40     15							
TAYLOR     27     41     15     55     28     18       TUCKER     40     18     15     18     18     55       TYLER     47     31     15     3     42     33       UPSHUR     51     21     15     54     14     54       WAYNE     50     38     15     30     36     3       WEBSTER     4     16     15     38     13     39       WETZEL     23     44     15     10     47     21       WIRT     7     54     15     2     40     32       WOOD     43     35     15     30     40     15							
TUCKER     40     18     15     18     18     55       TYLER     47     31     15     3     42     33       UPSHUR     51     21     15     54     14     54       WAYNE     50     38     15     30     36     3       WEBSTER     4     16     15     38     13     39       WETZEL     23     44     15     10     47     21       WIRT     7     54     15     2     40     32       WOOD     43     35     15     30     40     15							
TYLER     47     31     15     3     42     33       UPSHUR     51     21     15     54     14     54       WAYNE     50     38     15     30     36     3       WEBSTER     4     16     15     38     13     39       WETZEL     23     44     15     10     47     21       WIRT     7     54     15     2     40     32       WOOD     43     35     15     30     40     15							
UPSHUR         51         21         15         54         14         54           WAYNE         50         38         15         30         36         3           WEBSTER         4         16         15         38         13         39           WETZEL         23         44         15         10         47         21           WIRT         7         54         15         2         40         32           WOOD         43         35         15         30         40         15							
WAYNE     50     38     15     30     36     3       WEBSTER     4     16     15     38     13     39       WETZEL     23     44     15     10     47     21       WIRT     7     54     15     2     40     32       WOOD     43     35     15     30     40     15							
WEBSTER     4     16     15     38     13     39       WETZEL     23     44     15     10     47     21       WIRT     7     54     15     2     40     32       WOOD     43     35     15     30     40     15							
WETZEL     23     44     15     10     47     21       WIRT     7     54     15     2     40     32       WOOD     43     35     15     30     40     15							
WIRT     7     54     15     2     40     32       WOOD     43     35     15     30     40     15							
WOOD 43 35 15 30 40 15							
	WYOMING	8	14	15	38	45	10

<sup>\*</sup>Each county is ranked from 1 to 55, where a rank of 1 is assigned to the county with the highest (worst) rate or percentage and a 55 to the county with the lowest (best) rate or percentage. Counties with a ".5" in the rank had an equivalent rank as another county and the average rank was returned.

Percentage of Jefferson County residents with a controlled substance prescription

20%

Percentage of West Virginia residents with a controlled substance prescription

23.2%

Percentage of Jefferson County residents with an opioid prescription

12.7%

Percentage of West Virginia residents with an opioid prescription

14.3%

Percentage of Jefferson County residents with a benzodiazepine prescription

5%

Percentage of West Virginia residents with a benzodiazepine prescription

6.4%

To access the individual 2023 County Profile Reports, please follow the link below: https://dhhr.wv.gov/vip/county-reports/Pages/default.aspx

Also, check out the interactive county profile dashboard <u>here</u>.

#### **Contact Information:**

Mike Goff, Board of Pharmacy Executive Director

Phone: (304) 558-8411

Email: Michael.L.Goff@wv.gov

Brandon Williams, CSMP Epidemiologist

Phone: (304) 414-0633

Email: Brandon.K.Williams@wv.gov

Nathan Wood, CSMP Epidemiologist

Phone: (304) 414-0789

Email: Nathan.G.Wood@wv.gov





