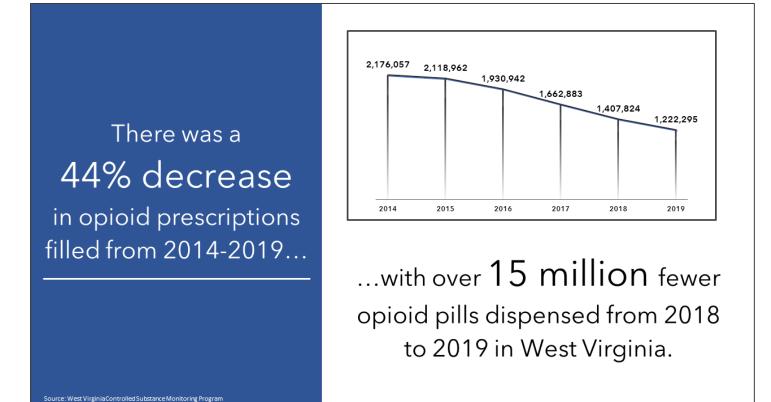
West Virginia Board of Pharmacy Prescription Opioid Indicators Report Cabell County - 2019



The West Virginia Violence and Injury Prevention Program (WV VIPP), in collaboration with the West Virginia Board of Pharmacy and the West Virginia University Injury Control Research Center (ICRC), under the direction of the Centers for Disease Control and Prevention (CDC), continue 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 the West Virginia Heath Statistics Center shows that in 2018, over 900 people died in association with drug misuse (including prescription and illicit drugs) with a rate of 52.2 per 100,000 population. This is nearly three times the national average. To help combat this epidemic, CDC provided specific indicators to identify high-risk areas within the state to allow for intervention and community education.



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

This indicator includes all opioid prescriptions that are classified as either Schedule II, III, IV, or V. The figures below show the total number of opioid prescriptions for Cabell County and the rate per 1,000 population compared to the state. Census data was used to obtain demographic information and population sized.



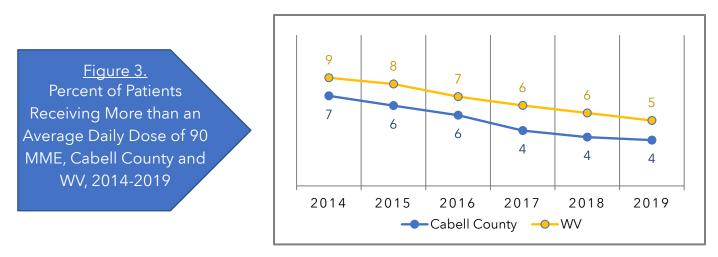
Source: West Virginia Controlled Substance Monitoring Program

### What Does This Mean?

This indicator is important because it provides information about prescription opioid use for each county. These 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 large quantities of opioids that are out in the community. Cabell County had slightly higher rates of opioids being prescribed compared to the state from 2014-2019, however, there was an overall decrease in the rate during this time.

# 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 either 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 percent of patients with greater than an average daily dose of 90 MMEs in Cabell County compared to the state during 2014-2019.



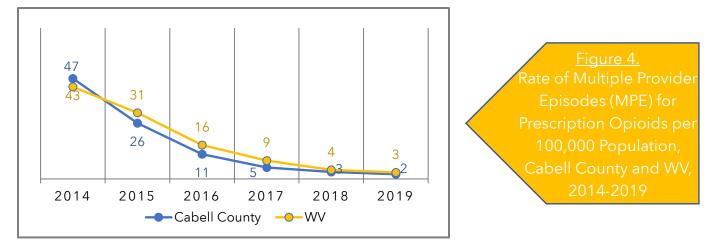
Source: West Virginia Controlled Substance Monitoring Program

#### 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 abuse 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 2014-2019, Cabell County's percent of patients receiving more than an average daily dose of 90 MMEs was lower than the state and decreased during 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 100,00 residents.

This indicator shows the rate of patients who went to 5 or more prescribers and 5 or more pharmacies within a 6-month period, or multiple provider episode (MPE). The rate is calculated per 100,000 population. It includes all opioid prescriptions that are classified as either Schedule II, III, IV, or V.



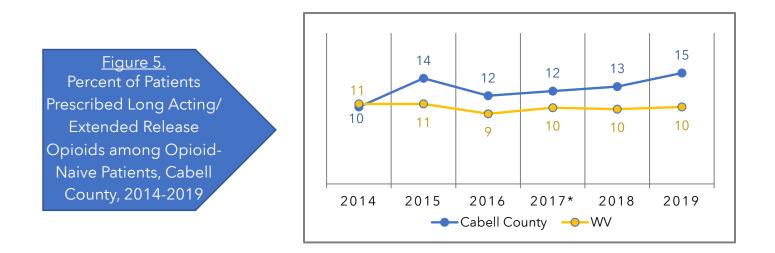
Source: West Virginia Controlled Substance Monitoring Program

#### What Does This Mean?

This indicator is important because 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 2014-2019, Cabell County had lower rates compared to the state in patients who qualified as having an MPE apart from 2014 where it was slightly higher.

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

This indicator represents the percent 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 either Schedule II, III, IV, or V.



Source: West Virginia Controlled Substance Monitoring Program

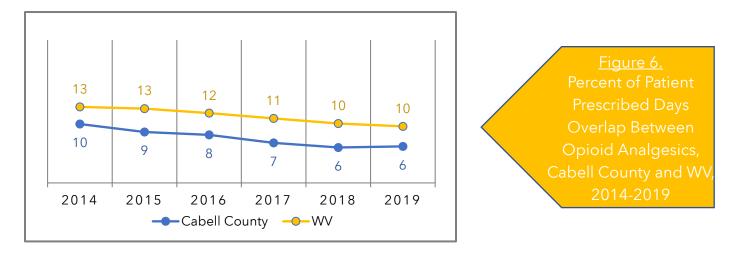
#### What Does This Mean?

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 LA/ER. From 2015-2019, Cabell County had more patients who were opioid-naïve compared to the state average and there was an overall increase during this time.

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

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

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



Source: West Virginia Controlled Substance Monitoring Program

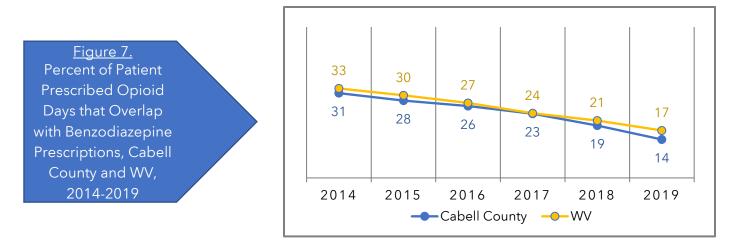
### What Does This Mean?

This indicator represents the 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 time-period increased 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. During 2014-2019, Cabell County had a lower percent of prescription overlap compared to the state average and decreased over this time period.

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

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



Source: West Virginia Controlled Substance Monitoring Program

#### 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 2014-2019, Cabell County had a slightly lower percent of days where there was an overlapping opioid and benzodiazepine prescription than the state average and decreased over this time period.

MARSHALL     22     9     38.5     5     32.5     13       MASON     29     45     11     10     50     35       MCDOWELL     7     16     38.5     18     26     18.5       MERCER     23     19     18     23     24     23.5       MINEQO     20     47     38.5     34     5.5     14.5       MINGO     20     47     38.5     6     55     1       MONONGALIA     55     12     21     19     16     38       MORGAN     26     1     38.5     20.5     13     11       MORGAN     26     1     38.5     24     26       OHIO     35     7     38.5     54.5     5.5     21.5       PENDLETON     36     5     38.5     54.5     5.5     21.5       PEASANTS     33     41     38.5     36.5     37     2.5       PRESTON     38	County Rankings By Indicator							
BARBOUR     34     26     38.5     42     42     32       BERKELEY     37     2     19     40.5     2     48       BOONE     2     48     2     36.5     51     3       BROKE     25     17     38.5     17     11     14.5       CABELL     10     44     16     9     36     18.5       CAJHOUN     46     38     38.5     22     5.5     47       CLAY     5     32     38.5     14.5     42     41       CLAY     5     32     38.5     11     14.5     7       CLAY     5     37     38.5     11     14.5     7       GILMER     50     20     38.5     21     30.5     6       GRANT     39     51     38.5     247     8     12       HAMPSHIRE     13     31     20     51.5     20     5       JACKSON     44     13	Patient County	Indicator 1	Indicator 2	Indicator 3	Indicator 4	Indicator 5	Indicator 6	
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BRAYTON     43     24     38.5     40.5     18     26       BROOKE     25     17     38.5     17     11     14.5       CABELL     10     44     16     9     36     18.5       CALHOUN     46     38     38.5     22     52.5     47       CLAY     5     32     38.5     27     10     46       DODDRIOCE     54     10     38.5     27     10     46       GIMMER     50     20     38.5     31     30.5     6       GRANT     39     51     38.5     21     14.5     7       HAMESOKCK     11     14     38.5     28.5     4     44.5       HANCOK     49     31     6     43     7     33.5       JACKSON     45     53     38.5     31     38     35.5       JACKSON     44     4     13     31     3     51.5       JACKSON	BERKELEY	37	2	19	40.5	2	48	
BRAYTON     43     24     38.5     40.5     18     26       BROOKE     25     17     38.5     17     11     14.5       CABELL     10     44     16     9     36     18.5       CALHOUN     46     38     38.5     22     52.5     47       CLAY     5     32     38.5     27     10     46       DODDRIOCE     54     10     38.5     27     10     46       GIMMER     50     20     38.5     31     30.5     6       GRANT     39     51     38.5     21     14.5     7       HAMESOKCK     11     14     38.5     28.5     4     44.5       HANCOK     49     31     6     43     7     33.5       JACKSON     45     53     38.5     31     38     35.5       JACKSON     44     4     13     31     3     51.5       JACKSON	BOONE	2	48	2	36.5	51	3	
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HARCOCK     11     14     38.5     47     8     12       HARDY     49     31     6     43     7     33.5       HARDSON     14     13     20     51.5     20     5       JACKSON     45     53     38.5     31     38     39.5       JEFFERSON     44     4     13     31     3     51.5     20     5       KANAWHA     18     50     14     24     43.5     37     31.5     12     21     38.5     49     14.5     29.5     11     10.5     29.5     11     10.5     29.5     11     10.5     10.5     16     14     43.5     4     4     20GAN     1     43.6     11     10     50     35     16     16     18.5     18     26     18.5     14     16     38.5     13     11     10     50.5     14.5     14.5     14.5     14.5     14.5     14.5     14.5     14.5<		-						
HARDY     49     31     6     43     7     33.5       HARRISON     14     13     20     51.5     20     5       JACKSON     445     53     38.5     31     38     39.5       JEFFERSON     44     4     13     31     32     51.5       JEWIS     12     21     38.5     49     14.5     29.5       LINCOLN     4     34     8     53     34     4       LOGAN     1     43     4     45     49     2       MARSHALL     22     9     38.5     5     32.5     13       MARSHALL     22     9     38.5     18     26     18.5       MARSHALL     22     9     38.5     18     26     18.5       MARSHALL     22     9     38.5     18     26     18.5       MARCON     29     45     11     10     50     18.5       MARDONO     20			-					
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KANAWHA     18     50     14     24     43.5     37       LEWIS     12     21     38.5     49     14.5     29.5       LINCOLN     4     34     8     53     34     4       LOGAN     1     43     4     45     49     2       MARION     31     36     12     7     30.5     16       MARSIAL     22     9     38.5     5     32.5     13       MASCON     29     45     11     10     50     35       MCDOWELL     7     16     38.5     18     26     18.5       MERCER     23     19     18     23     24     23.5       MINGO     20     47     38.5     6     55     1       MONROE     51     6     38.5     20.5     13     11       MORGAN     26     1     38.5     3     17     21.5       PENDETON     36     5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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LINCOLN     4     34     8     53     34     4       LOGAN     1     43     4     45     49     2       MARION     31     36     12     7     30.5     16       MARSON     22     9     38.5     5     32.5     13       MASON     29     45     11     10     50     35       MCDOWELL     7     16     38.5     18     26     18.5       MINERAL     40     18     38.5     34     5.5     14.5       MINERAL     40     18     38.5     26.5     13     11       MONOGE     20     47     38.5     26.5     13     11       MONRGA     26     1     38.5     20.5     13     11       MORGAN     26     1     38.5     34     17     21.5       PICASANTS     33     41     38.5     54.5     5.5     21.5       PIEASANTS     33								
LOGAN     1     43     4     45     49     2       MARION     31     36     12     7     30.5     16       MARSHALL     22     9     38.5     5     32.5     13       MASON     29     45     11     10     50     35       MCDOWELL     7     16     38.5     18     26     18.5       MERCER     23     19     18     23     24     23.5       MINGO     20     47     38.5     6     55     1       MONNOKALIA     55     12     21     19     16     38       MORGAN     26     1     38.5     44     1     49       NICHOLAS     8     35     10     54.5     24     26       OHIO     35     7     38.5     3     17     21.5       PENDLETON     36     5     38.5     50     12     18.5       PULASANTS     33     4					49	14.5	29.5	
MARION     31     36     12     7     30.5     16       MARSHALL     22     9     38.5     5     32.5     13       MASON     29     45     11     10     50     35       MCDOWELL     7     16     38.5     18     26     18.5       MERCER     23     19     18     23     24     23.5       MINERAL     40     18     38.5     34     5.5     14.5       MINGO     20     47     38.5     6     55     1       MONONGALIA     55     12     21     19     16     38       MONNOE     51     6     38.5     20.5     13     11       MORGAN     26     1     38.5     344     1     49       NICHOLAS     8     35     10     54.5     24     26       OHIO     35     7     38.5     36.5     39     51.5       PIEASANTS     33	LINCOLN	4		8				
MARSHALL     22     9     38.5     5     32.5     13       MASON     29     45     11     10     50     35       MCDOWELL     7     16     38.5     18     26     18.5       MERCER     23     19     18     23     24     23.5       MINEQO     20     47     38.5     34     5.5     14.5       MINGO     20     47     38.5     6     55     1       MONONGALIA     55     12     21     19     16     38       MORGAN     26     1     38.5     20.5     13     11       MORGAN     26     1     38.5     24     26       OHIO     35     7     38.5     54.5     5.5     21.5       PENDLETON     36     5     38.5     54.5     5.5     21.5       PEASANTS     33     41     38.5     36.5     37     2.5       PRESTON     38	LOGAN	1	43	4	45	49	2	
MASON     29     45     11     10     50     35       MCDOWELL     7     16     38.5     18     26     18.5       MERCER     23     19     18     23     24     23.5       MINERAL     40     18     38.5     34     5.5     14.5       MINGO     20     47     38.5     6     55     1       MONOGALIA     55     12     21     19     16     38       MONROE     51     6     38.5     20.5     13     11       MORGAN     26     1     38.5     44     1     49       NICHOLAS     8     35     10     54.5     24     26       OHIO     35     7     38.5     3     17     21.5       PLEASANTS     33     41     38.5     54.5     5.5     21.5       PCAHONTAS     42     111     38.5     16     19     39.5       PCAHONTAS     42	MARION	31	36	12	7	30.5	16	
MCDOWELL     7     16     38.5     18     26     18.5       MERCER     23     19     18     23     24     23.5       MINERAL     40     18     38.5     34     5.5     14.5       MINGO     20     47     38.5     6     55     1       MONONGALIA     55     12     21     19     16     38       MONROE     51     6     38.5     20.5     13     11       MORGAN     26     1     38.5     44     1     49       NICHOLAS     8     35     10     54.5     24     26       OHIO     35     7     38.5     36.5     39     51.5       PENDLETON     36     5     38.5     54.5     5.5     21.5       PEASANTS     33     41     38.5     36.5     39     51.5       POCAHONTAS     42     11     38.5     16     19     39.5       PRESTON	MARSHALL	22	9	38.5	5	32.5	13	
MERCER     23     19     18     23     24     23.5       MINERAL     40     18     38.5     34     5.5     14.5       MINGO     20     47     38.5     6     55     1       MONONGALIA     55     12     21     19     16     38       MONROE     51     6     38.5     20.5     13     11       MORGAN     26     1     38.5     44     1     49       NICHOLAS     8     35     10     54.5     24     26       OHIO     35     7     38.5     3     17     21.5       PENDLETON     36     5     38.5     54.5     5.5     21.5       POCAHONTAS     42     11     38.5     36.5     39     51.5       POCAHONTAS     42     11     38.5     16     19     39.5       PRESTON     38     8     38.5     50     12     45     28       R	MASON	29	45	11	10	50	35	
MINERAL401838.5345.514.5MINGO204738.56551MONONGALIA551221191638MONROE51638.520.51311MORGAN26138.544149NICHOLAS8351054.52426OHIO35738.531721.5PENDLETON36538.554.55.521.5PEASANTS334138.536.53951.5PCCAHONTAS421138.5161939.5PRESTON38838.5501218.5PUTNAM284617264118.5RALIGH303038.5124528RANDOLPH242338.5352742RITCHIE16493847.536.5SUMMERS92538.5482223.5TAYLOR272738.514.52850TYLER484238.5332154WAYNE523938.5332154WAYNE523938.5332154WAYNE523938.538358WEBSTER322151.5943 </td <td>MCDOWELL</td> <td>7</td> <td>16</td> <td>38.5</td> <td>18</td> <td>26</td> <td>18.5</td>	MCDOWELL	7	16	38.5	18	26	18.5	
MINGO     20     47     38.5     6     55     1       MONONGALIA     55     12     21     19     16     38       MONROE     51     6     38.5     20.5     13     11       MORGAN     26     1     38.5     20.5     13     11       MORGAN     26     1     38.5     20.5     13     11       MORGAN     26     1     38.5     24.4     1     49       NICHOLAS     8     35     10     54.5     24     26       OHIO     35     7     38.5     3     17     21.5       PENDLETON     36     5     38.5     54.5     5.5     21.5       POCAHONTAS     42     11     38.5     16     19     39.5       PRESTON     38     8     38.5     50     12     18.5       PUTNAM     28     46     17     26     41     18.5       RALEIGH     30	MERCER	23	19	18	23	24	23.5	
MONONGALIA551221191638MONROE51638.520.51311MORGAN26138.520.51311MORGAN26138.544149NICHOLAS8351054.52426OHIO35738.531721.5PENDLETON36538.554.55.521.5PLEASANTS334138.536.53951.5POCAHONTAS421138.5161939.5PRESTON38838.5501218.5PUTNAM284617264118.5RALEIGH303038.5124528RANDOLPH242338.5352742RITCHIE16493847.536SUMMERS92538.5482223.5TAYLOR272738.514.528TAYLOR532938.514.528VAYNE5333114629.5UPSHUR53365482235.5UPSHUR532938.514.528WAYNE523938.514.52850TYLER484238.514.55435WEBSTER3	MINERAL	40	18	38.5	34	5.5	14.5	
MONROE51638.520.51311MORGAN26138.544149NICHOLAS8351054.52426OHIO35738.531721.5PENDLETON36538.554.55.521.5PLEASANTS334138.536.53951.5PCAHONTAS421138.5161939.5PCAHONTAS421138.5501218.5PCAHONTAS421138.5501218.5PUTNAM284617264118.5RALEIGH303038.5352742RITCHIE16493847.536.5SUMMERS92538.54643.510TUCKER473338.514.52850TYLER484238.5332154WAYNE5238.5332154WAYNE5238.5332154WAYNE5238.538.51.4643.510TUCKER473338.514.52850WAYNE523938.5332154WAYNE523938.538358WETZEL195438.52252.59<	MINGO	20	47	38.5	6	55	1	
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MORGAN26138.544149NICHOLAS8351054.52426OHIO35738.531721.5PENDLETON36538.554.55.521.5PLEASANTS334138.536.53951.5POCAHONTAS421138.5161939.5POCAHONTAS421138.5501218.5POCAHONTAS421138.5501218.5PUTNAM284617264118.5RALEIGH303038.5124528RANDOLPH242338.5352742RITCHIE16493847.536ROANE17525482223.5TAYLOR272738.54643.510TUCKER484238.514.52850TYLER484238.514.52850VAYNE523938.5332154WAYNE523938.538358WETZEL195438.5252.59WIRT215538.5395455WOOD32409134044.5	MONROE	51	6	38.5	20.5	13	11	
NICHOLAS     8     35     10     54.5     24     26       OHIO     35     7     38.5     3     17     21.5       PENDLETON     36     5     38.5     54.5     5.5     21.5       PLEASANTS     33     41     38.5     36.5     39     51.5       PCAHONTAS     42     11     38.5     16     19     39.5       PRESTON     38     8     38.5     50     12     18.5       PUTNAM     28     46     17     26     41     18.5       RALEGH     30     30     38.5     12     45     28       RANDOLPH     24     23     38.5     12     45     28       RANDOLPH     24     23     38.5     46     42.2     23.5       SUMMERS     9     25     38.5     46     43.5     10       TUCKER     47     33     38.5     14.5     28     50       UPSHUR								
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WAYNE     52     39     38.5     38     35     8       WEBSTER     3     22     1     51.5     9     43       WETZEL     19     54     38.5     2     52.5     9       WIRT     21     55     38.5     39     54     55       WOOD     32     40     9     13     40     44.5								
WEBSTER     3     22     1     51.5     9     43       WETZEL     19     54     38.5     2     52.5     9       WIRT     21     55     38.5     39     54     55       WOOD     32     40     9     13     40     44.5								
WETZEL     19     54     38.5     2     52.5     9       WIRT     21     55     38.5     39     54     55       WOOD     32     40     9     13     40     44.5	WAYNE							
WIRT215538.5395455WOOD32409134044.5	WEBSTER	3	22	1	51.5	9		
WOOD 32 40 9 13 40 44.5	WETZEL	19	54	38.5	2	52.5	9	
WOOD 32 40 9 13 40 44.5	WIRT	21	55	38.5	39	54	55	
	WOOD	32		9		40		
	WYOMING		28	7		47.5	31	

\*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 the same rank as another county and the average rank was returned. Percent of Cabell County with a controlled substance prescription

32%

Percent of Cabell County with an opioid prescription



Percent of Cabell County with a benzodiazepine prescription

Source: West Virginia Controlled Substance Monitoring Program

For more information regarding this county profile or the West Virginia Controlled Substance Monitoring Program (CSMP), please see contact information below.

#### **Contact Information:**

Mike Goff, Board of Pharmacy Executive Director Phone: (304) 558-8411 E-mail: <u>Michael.L.Goff@wv.gov</u>

Nathan Wood, CSMP Epidemiologist Phone: (304) 414-0789 E-mail: <u>Nathan.G.Wood@wv.gov</u> Tim Dotson, CSMP Epidemiologist Phone: (304) 414-0537 E-mail: <u>Timothy.S.Dotson@wv.gov</u>



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