

**West Virginia  
Office of Emergency Medical Services  
2023**

**Annual Report 2023**

**West Virginia**

West Virginia Office of Emergency Medical Services  
Annual Report 2023



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The following report is filed in accordance with West Virginia Code §16-4C-6b.

All individuals listed were in the office at the time of report distribution.

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## **Introduction**

The following report is filed in accordance with West Virginia Code §16-4C-6b, by the Acting Commissioner of the West Virginia Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), and the Director of the Office of Emergency Medical Services (OEMS). In addition to the statutorily mandated fiscal and licensure reporting requirements, additional data is included to provide a better overview of the activities of OEMS. OEMS appreciates the Governor and legislature's continued support and leadership on these incredibly important issues.

## **Director's Message**

On behalf of the employees of OEMS, I am pleased to present this year's annual report. Recently much has been written about the difficulties that Emergency Medical Services (EMS) personnel face from the exposure to pathogens to the current workforce shortage. However, I would like to take this opportunity to focus on recent positive developments.

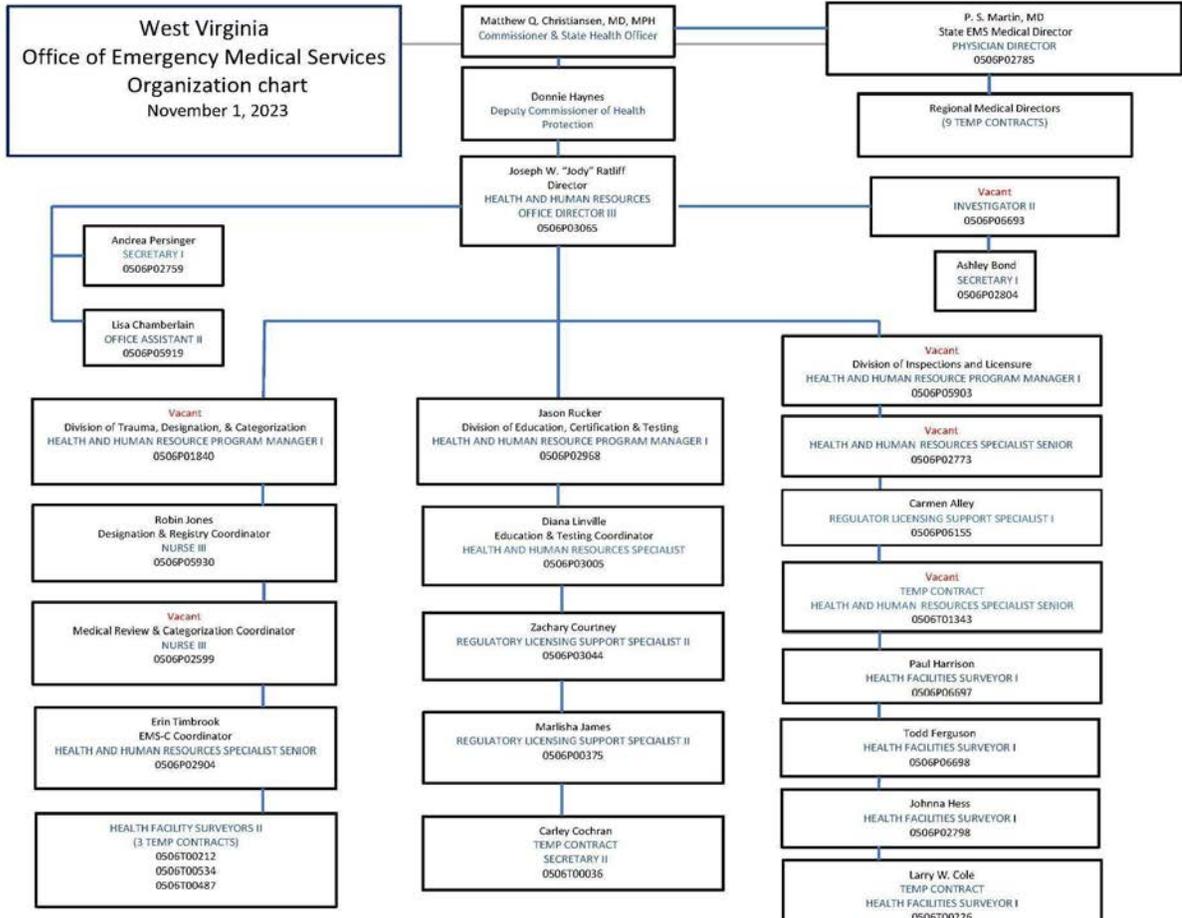
At the direction of the Governor, OEMS assisted in the development of Emergency Medical Technician (EMT) empirical classes that are now available free of charge to state residents. Additionally, five training vehicles have been purchased and placed into service to aid in the initial training and the re-certification of EMTs, paramedics, and flight nurses throughout West Virginia. Finally, OEMS continues to work with many other agencies throughout the state to initiative efficiency and help reduce the statewide burden on the EMS system.

Best Regards,

Joseph W. Ratliff, Director

# Office of Emergency Medical Services (OEMS) Team

Figure 1 WVOE



MS Org Chart

In the interest of brevity, the financial report has been condensed to the balance sheet produced below. The balance sheet encompasses the previous six years.

Total Expenses for OEMS 2016-2022								
Sum of Posting Amount	Column Labels							
Row Labels	2016	2017	2018	2019	2020	2021	2022	Grand Total
<b>EMS Services</b>	<b>61,882.98</b>	<b>21,000.00</b>	<b>3,263.27</b>					<b>86,146.25</b>
Subrecipient	61,882.98	21,000.00	3,263.27					86,146.25
<b>General Revenue</b>						<b>160,900.00</b>	<b>(160,900.00)</b>	<b>-</b>
Contracts						160,900.00	(160,900.00)	-
<b>General Revenue</b>					<b>712,942.00</b>	<b>712,942.00</b>	<b>712,942.00</b>	<b>2,138,826.00</b>
Contracts					712,942.00	712,942.00	712,942.00	2,138,826.00
<b>General Revenue (State Trauma &amp; Emergency Care)</b>	<b>1,741,059.97</b>	<b>1,915,847.20</b>	<b>1,902,231.85</b>	<b>1,955,652.86</b>	<b>1,980,951.98</b>	<b>1,980,909.26</b>	<b>1,829,516.38</b>	<b>13,306,169.50</b>
Contracts	13,470.56	156,296.94	18,606.03	6,557.77	11,765.51	34,865.30	34,889.57	276,451.68
Maintenance							1,832.00	1,832.00
Misc.	3,696.01	4,480.27	5,351.47	4,286.35	3,445.22	4,708.48	7,313.92	33,281.72
Personnel/Fringes	302,669.22	320,352.53	489,065.89	644,208.08	406,754.01	501,283.21	408,012.19	3,072,345.13
Rent	9,438.64	10,159.72	73,992.84	9,493.02	10,492.97	33,626.74	66,672.19	213,876.12
Subrecipient	1,369,091.00	1,390,406.00	1,250,414.00	1,250,000.00	1,500,637.75	1,350,426.00	1,244,602.00	9,355,576.75
Supplies	9,637.89	10,593.68	19,608.90	11,485.89	17,221.72	17,355.05	19,559.54	105,462.67
Travel	13,311.29	13,454.54	23,820.98	18,332.00	19,720.80	9,483.54	13,833.39	111,956.54
Utilities	2,609.97	3,647.14	3,553.63	4,971.72	2,223.90	14,695.07	14,835.20	46,536.63
Other	17,135.39	6,456.38	17,818.11	6,318.03	8,690.10	14,465.87	17,968.38	88,850.26
<b>General State Funding</b>		<b>121,701.18</b>	<b>28,888.89</b>		<b>451,582.98</b>	<b>1,028,763.00</b>	<b>173,961.47</b>	<b>1,804,897.52</b>
Contracts			28,888.89		398,603.98	112,100.00	(111,273.50)	428,319.37
Personnel/Fringes		198.20					(0.00)	198.20
Subrecipient		121,502.98				916,663.00	283,338.00	1,321,503.98
Supplies					52,979.00			52,979.00
Travel							206.50	206.50
Utilities							1,690.47	1,690.47
<b>Special Revenue</b>	<b>107,588.57</b>	<b>(62,993.17)</b>	<b>83,119.04</b>	<b>34,651.00</b>		<b>20.88</b>		<b>162,386.32</b>
Contracts	173.29							173.29
Misc.	15.00		70,871.00					70,886.00
Personnel/Fringes	107,047.07		510.80					107,557.87
Supplies						20.88		20.88
Travel		76.41	707.24					783.65
Utilities		149.29		34,651.00				34,800.29
Other	353.21	(63,218.87)	11,030.00					(51,835.66)
<b>Special Revenue Funds (Licensure Fees)</b>	<b>319,881.70</b>	<b>490,641.99</b>	<b>379,387.15</b>	<b>364,945.49</b>	<b>92,801.15</b>	<b>301,613.84</b>	<b>364,084.99</b>	<b>2,313,356.31</b>
Contracts	(38,170.58)	40,744.77	27,189.50	17,870.13	279.77	537.78	294.49	48,745.86
Maintenance	964.46	481.00	481.00			693.00		2,619.46
Misc.	2,646.43	2,467.00	2,526.09	2,539.51	2,336.51	4,226.13	2,391.45	19,133.12
Personnel/Fringes	319,652.81	333,698.36	311,209.18	330,235.43	81,092.11	277,848.76	342,919.86	1,996,656.51
Rent	1,423.02	1,428.06	1,503.49	1,432.27	1,585.03	1,671.87	1,615.71	10,659.45
Subrecipient		89,845.55	12,864.75			9,500.00		112,210.30
Supplies	4,540.78	3,863.93	2,840.37	1,250.70	958.77	5,273.89	980.73	19,709.17
Travel	27,050.19	15,866.77	19,465.78	11,326.70	6,393.54	1,417.02	15,437.31	96,957.31
Utilities	223.60	228.80	200.16	210.73	155.42	440.92	144.78	1,604.41
Other	1,550.99	2,017.75	1,106.83	80.02		4.47	300.66	5,060.72
<b>Special Revenue Funds (Tower Lease)</b>	<b>169,065.92</b>	<b>121,986.71</b>	<b>136,308.08</b>					<b>427,360.71</b>
Misc.		0.64	118,157.69					118,158.33
Rent	130,043.15	105,803.96	16,000.00					251,847.11
Supplies		1,023.43						1,023.43
Travel		415.50						415.50
Utilities	1,887.04	649.78	2,150.39					4,687.21
Other	37,135.73	14,093.40	-					51,229.13
<b>State Appropriated Funds for EMS</b>	<b>1,336,672.33</b>	<b>1,380,193.03</b>	<b>3,632.70</b>					<b>2,720,498.06</b>
Contracts	3,133.34	33,194.32	-					36,327.66
Misc.	6,578.93	5,037.20						11,616.13
Personnel/Fringes	527,314.14	943,789.84	-					1,471,103.98
Subrecipient	500,000.00	75,000.00						575,000.00
Supplies	8,902.52	38,078.67	833.98					47,815.17
Travel	51,966.96	45,089.41	314.05					97,370.42
Utilities	133,296.41	171,840.93	2,380.36					307,517.70
Other	105,480.03	68,162.66	104.31					173,747.00
<b>State Funding - Personnel</b>	<b>222,366.91</b>	<b>171,880.51</b>					<b>88,280.01</b>	<b>482,527.43</b>
Personnel/Fringes	222,366.91	171,880.51					88,280.01	482,527.43
<b>State Re-Appropriated Funds for EMS</b>	<b>939,403.16</b>	<b>434,770.97</b>	<b>835,197.67</b>	<b>878,636.17</b>	<b>1,209,855.55</b>	<b>1,700,480.79</b>	<b>1,537,982.62</b>	<b>7,536,326.93</b>
Contracts	319,427.78	75,255.98	138,910.06	203,255.31	452,645.11	13,617.07	591,871.91	1,794,983.22
Maintenance	61.39				132.00			193.39
Misc.	3,426.96	3,480.28	3,337.03	3,408.12	4,713.89	3,138.17	3,370.66	24,875.11
Personnel/Fringes	362,660.40	91,178.46	553,490.61	491,304.41	576,991.45	526,079.40	234,346.66	2,836,051.39
Rent	29,476.46	29,570.03	32,509.40	43,161.77	61,521.41	64,787.26	(16,489.09)	244,517.24
Subrecipient	127,448.00	148,623.00	81,756.00	145,557.00	-	7,972.60	349,869.40	861,226.00
Supplies	6,847.01	2,818.59	2,251.40	4,538.68	68,757.60	(42,429.67)	321,530.91	364,314.52
Travel	22,334.47	17,225.70	10,984.49	8,152.50	22,609.93	2,401.04	9,577.20	93,285.33
Utilities	43,383.37	58,681.33	(4,191.79)	(30,318.56)	3,405.95	8,005.05	8,080.36	87,045.71
Other	24,337.32	7,937.60	16,150.47	9,576.94	19,078.21	1,116,929.87	35,824.61	1,229,835.02
<b>Grand Total</b>	<b>4,897,921.54</b>	<b>4,595,028.42</b>	<b>3,372,028.65</b>	<b>3,233,885.52</b>	<b>4,448,133.66</b>	<b>5,885,629.77</b>	<b>4,545,867.47</b>	<b>30,978,495.03</b>

Total expenses for OEMS 2016-2022

The following table is the current balance sheet as it pertains to WVOEMS as of 12-15-2023.

BFY EY2023										
Fund	Unit	Appr	Budget	Encumbered	Accrued Exp	Expenses	Projected PS thru 6/30/23	PS (Vacancies) Thru 6/30/23	Exp Thru 06/30/23	Projected Balance
0407	2922	38300	\$ -							\$ -
0407	2981	38300	\$1,650,358.00	\$670,467.10		\$352,472.02	\$381,584.00	\$87,463.38	\$ -	\$158,371.50
0407	3779	38300	\$61,542.00			\$291.67		\$ -		\$61,250.33
0407	2922	91800	\$534,542.00	\$494.28	\$841.73	\$128,841.95	\$83,119.52			\$321,244.52
0407	2981	91800	\$488,568.00	\$10,831.09	\$4,846.92	\$107,360.49	\$114,723.68			\$250,805.82
0407	3698	91800	\$913,340.00	\$542,210.97		\$328,633.72				\$42,495.31
0407	3779	91800	\$ -							\$ -
5205	2922	09900	\$24,581.00	\$ -	\$12,516.18	\$ -	-\$14,468.16			\$2,403.34
5205	2981	09900	\$429,472.00	\$247.14	\$127.66	\$176,545.89	\$225,867.04	\$36,513.23		\$9,828.96

Figure 2 Current DHHR Balance Sheet Pertinent to WVOEMS

## Services Provided

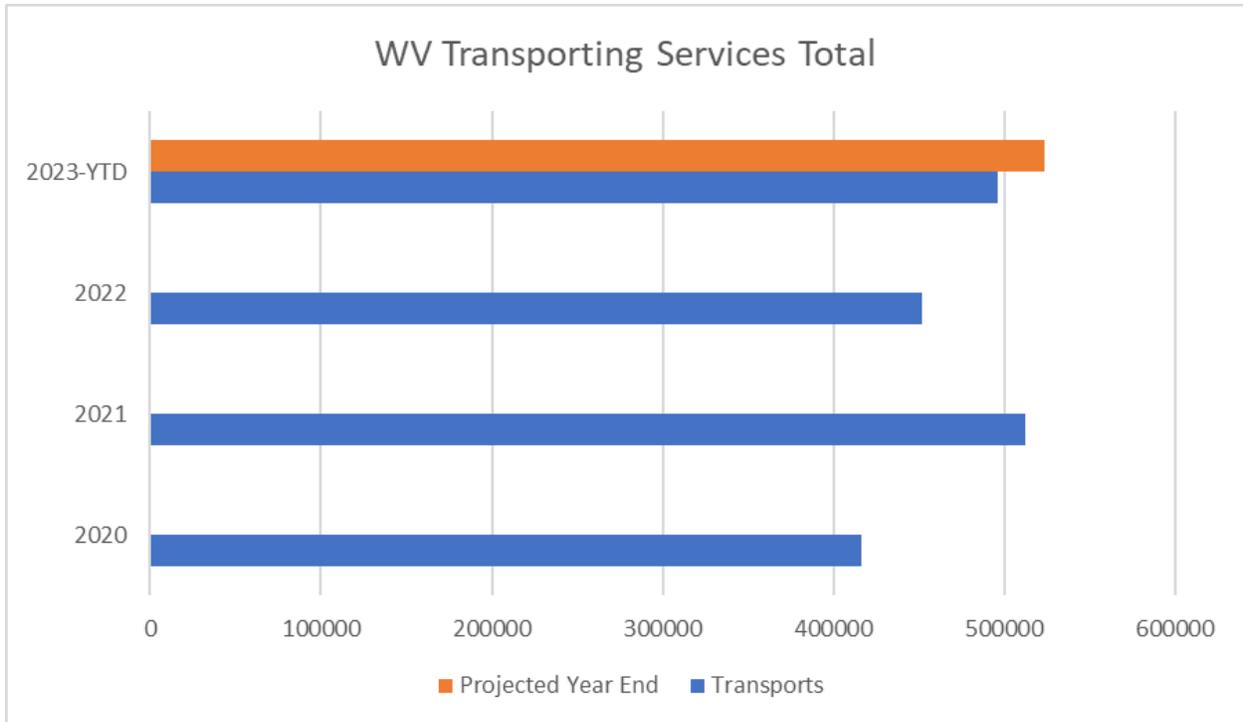


Figure 3 Graph of Historic Total Transports

Ambulance service is provided to each of the 55 counties in West Virginia without regard to the county's individual economic standing or population. The table below shows the statewide distribution of EMS responses by county for 2023.

County	Responses	County	Responses
Barbour	2,274	Mineral	5,683
Berkeley	21,681	Mingo	5,593
Boone	7,044	Monongalia	21,253
Braxton	3,838	Monroe	1,893
Brooke	5,039	Morgan	3,030
Cabell	39,071	Nicholas	8,404
Calhoun	822	Ohio	10,859
Clay	1,355	Pendleton	931
Doddridge	942	Pleasants	972
Fayette	14,472	Pocahontas	1,725
Gilmer	1,004	Preston	4,691
Grant	2,217	Putnam	10,307
Greenbrier	10,540	Raleigh	38,132
Hampshire	4,896	Randolph	6,949
Hancock	3,505	Ritchie	1,693
Hardy	1,885	Roane	2,677
Harrison	23,769	Summers	283
Jackson	6,429	Taylor	2,768
Jefferson	3,777	Tucker	1,045
Kanawha	74,657	Tyler	1,403
Lewis	4,074	Upshur	5,350
Lincoln	2,481	Wayne	6,547
Logan	17,410	Webster	2,324
Marion	13,614	Wetzel	3,590
Marshall	3,119	Wirt	569
Mason	3,991	Wood	22,568
McDowell	5,497	Wyoming	6,457
Mercer	26,709	(blank)	12,172

Figure 4 Table of 2023 YTD Transports by County in WV

West Virginia ambulance services also provide much-needed patient care and transport services to the surrounding area. Transport to contiguous states accounted for more than 28,000 responses in 2023. Additionally, 45.4% or 12,484 of the aforementioned responses were dispatched as emergency responses out-of-state.

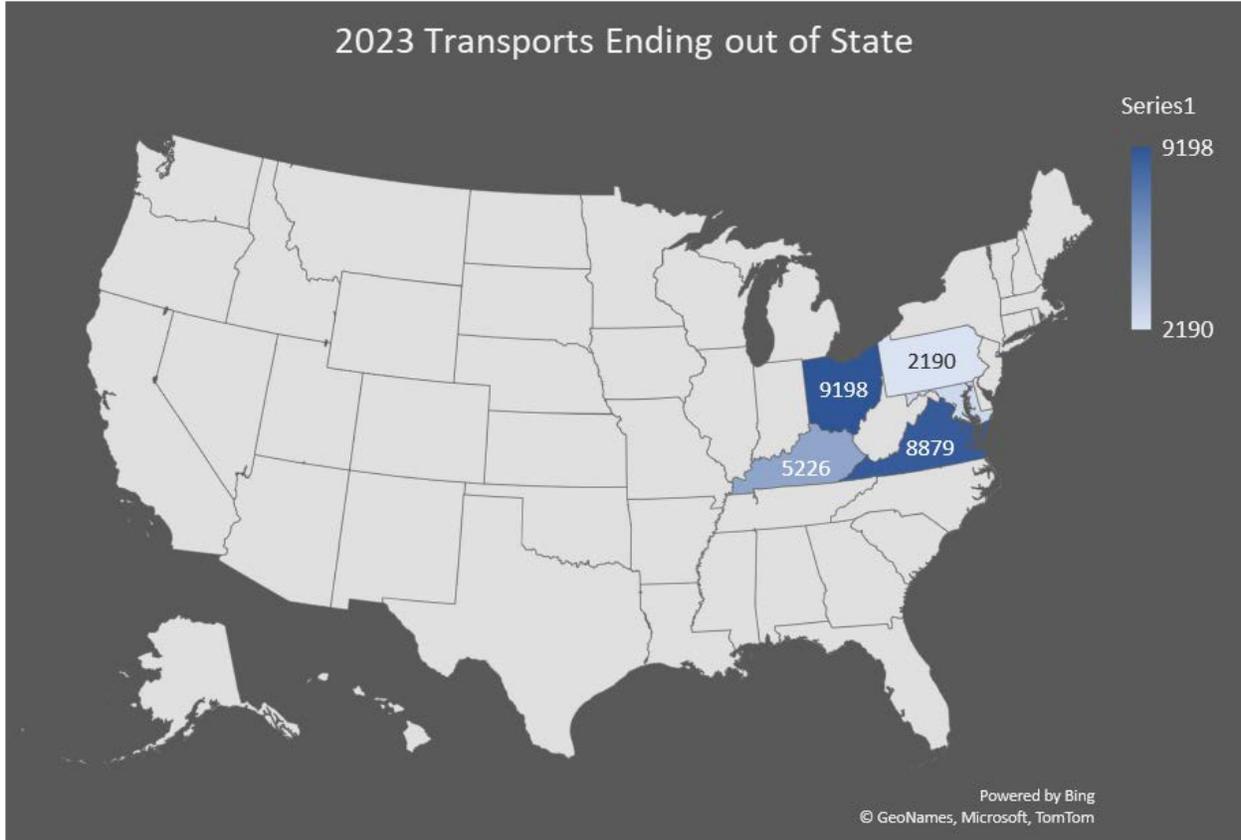


Figure 5 Map denoting Total Transports from WV to Contiguous States

Number of EMS Responses by Month

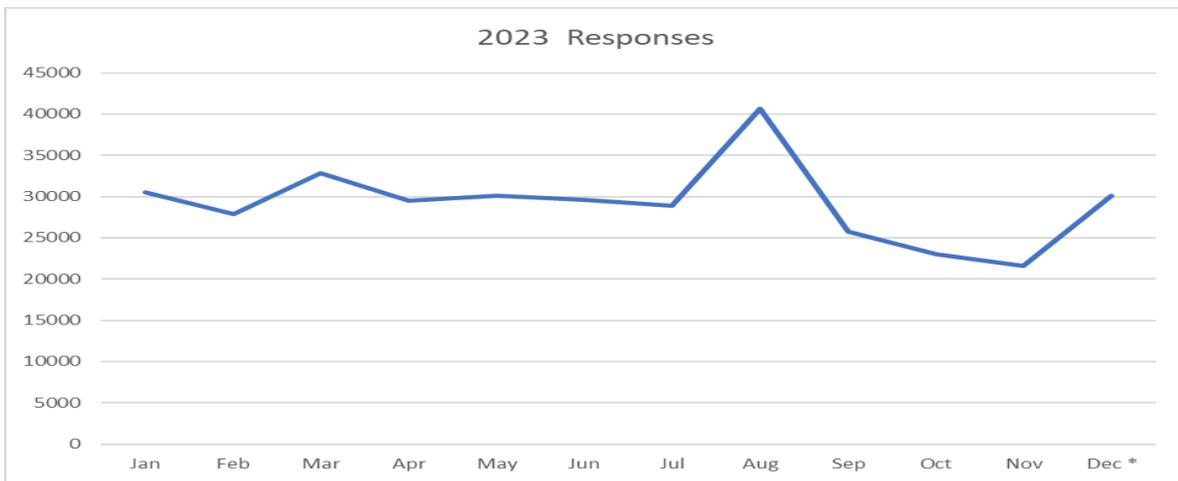


Figure 6 Chart of Total Responses by Month for 2023  
\*December projected based on MTD total

## Licensed Personnel

The following table shows the breakdown of initial provider certifications by certification level for the last five years.

<b><u>2023</u></b>	<b>Advanced Emergency Medical Technician</b>	<b>Emergency Medical Responder</b>	<b>Emergency Medical Technician</b>	<b>EMVO</b>	<b>Paramedic</b>	<b><u>Grand Total</u></b>
<b>Jan</b>		<b>1</b>	<b>74</b>	21	<b>28</b>	<b>124</b>
<b>Feb</b>			<b>59</b>	50	<b>38</b>	<b>147</b>
<b>Mar</b>	<b>1</b>		<b>39</b>	35	<b>25</b>	<b>100</b>
<b>Apr</b>	<b>2</b>	<b>3</b>	<b>20</b>	17	<b>4</b>	<b>46</b>
<b>May</b>	<b>2</b>	<b>1</b>	<b>17</b>	29	<b>9</b>	<b>58</b>
<b>Jun</b>	<b>21</b>	<b>4</b>	<b>29</b>	34	<b>6</b>	<b>94</b>
<b>Jul</b>	<b>3</b>	<b>1</b>	<b>22</b>	22	<b>12</b>	<b>60</b>
<b>Aug</b>	<b>4</b>	<b>1</b>	<b>18</b>	32	<b>27</b>	<b>82</b>
<b>Sep</b>	<b>1</b>		<b>23</b>	30	<b>7</b>	<b>61</b>
<b>Oct</b>	<b>5</b>	<b>1</b>	<b>9</b>	38	<b>15</b>	<b>68</b>
<b>Nov</b>	<b>2</b>	<b>10</b>	<b>14</b>	16	<b>9</b>	<b>51</b>
<b>Dec</b>	<b>1</b>		<b>3</b>	13	<b>30</b>	<b>47</b>
<b>Grand Tot</b>	<b>42</b>	<b>22</b>	<b>327</b>	337	<b>210</b>	<b>938</b>

Figure 7 Table of Initial Certifications Granted by Month and Certification Level

<b>Initial Certification by Level and Year</b>						
	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
EMVO	4			55	368	337
EMR	13	22	7	40	23	22
EMT	99	262	349	310	293	327
AEMT	29	44	56	51	13	42
Medic	82	100	75	86	118	210

Figure 8 Historic Certifications by Level

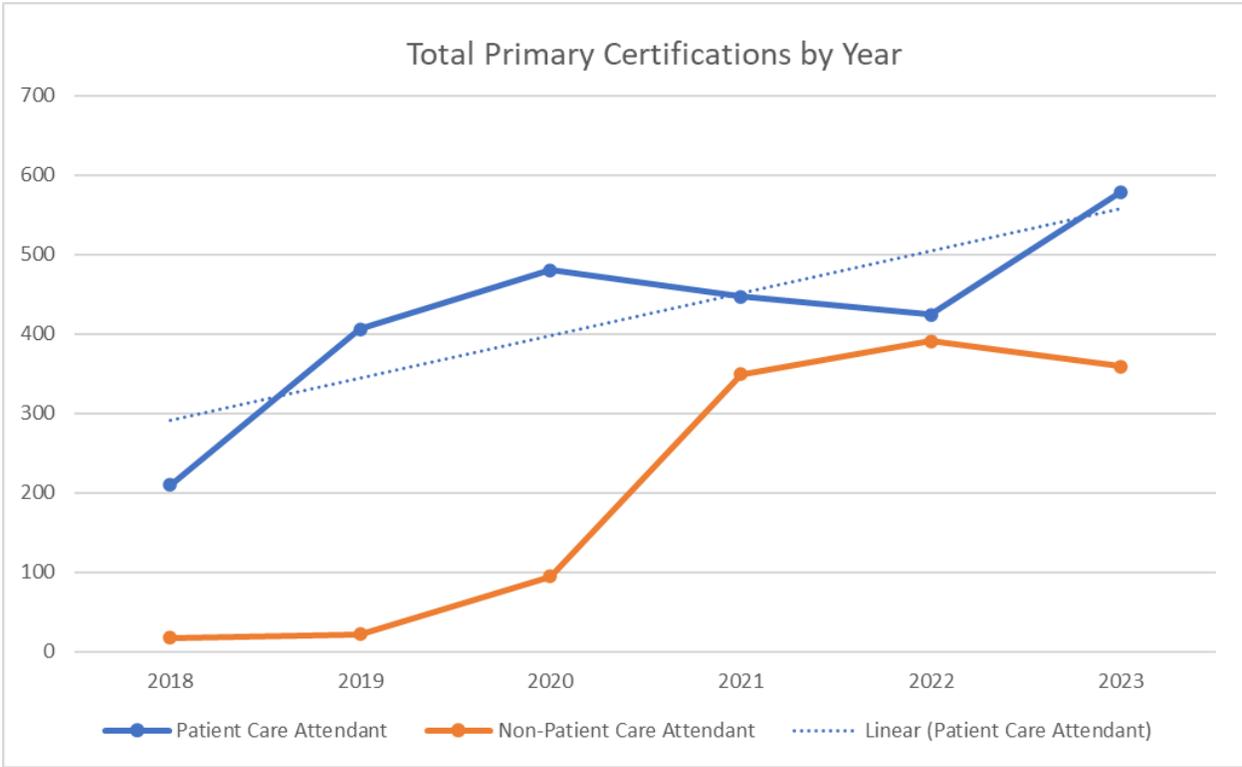


Figure 9 Total Initial Certifications by Year Segregated by Patient Care Ability

## Vehicles

912 vehicles in West Virginia are licensed and inspected to allow for patient transport. The breakdown of vehicles by transport type is outlined in the graph below.

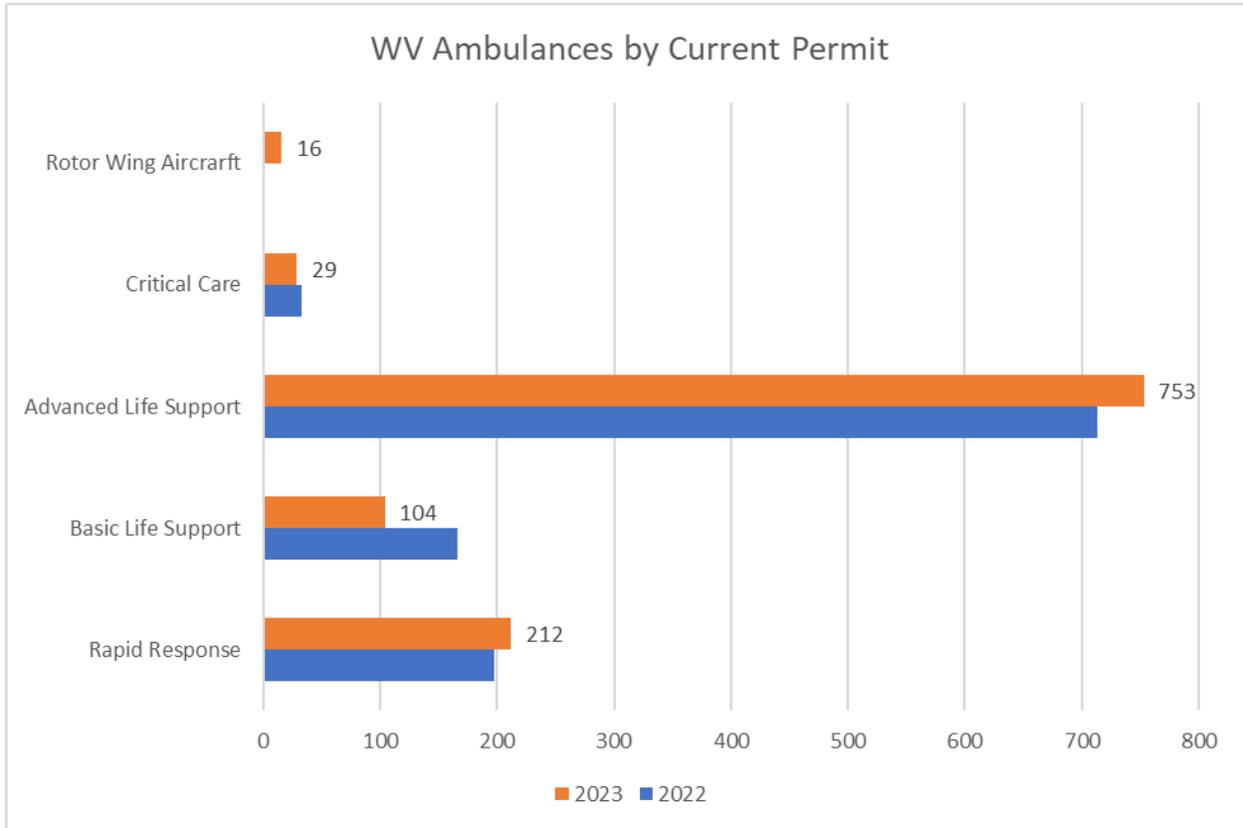


Figure 10 Chart of WVOEMS Permitted Vehicles with Classifications

The map below shows the distribution of vehicles throughout the state.

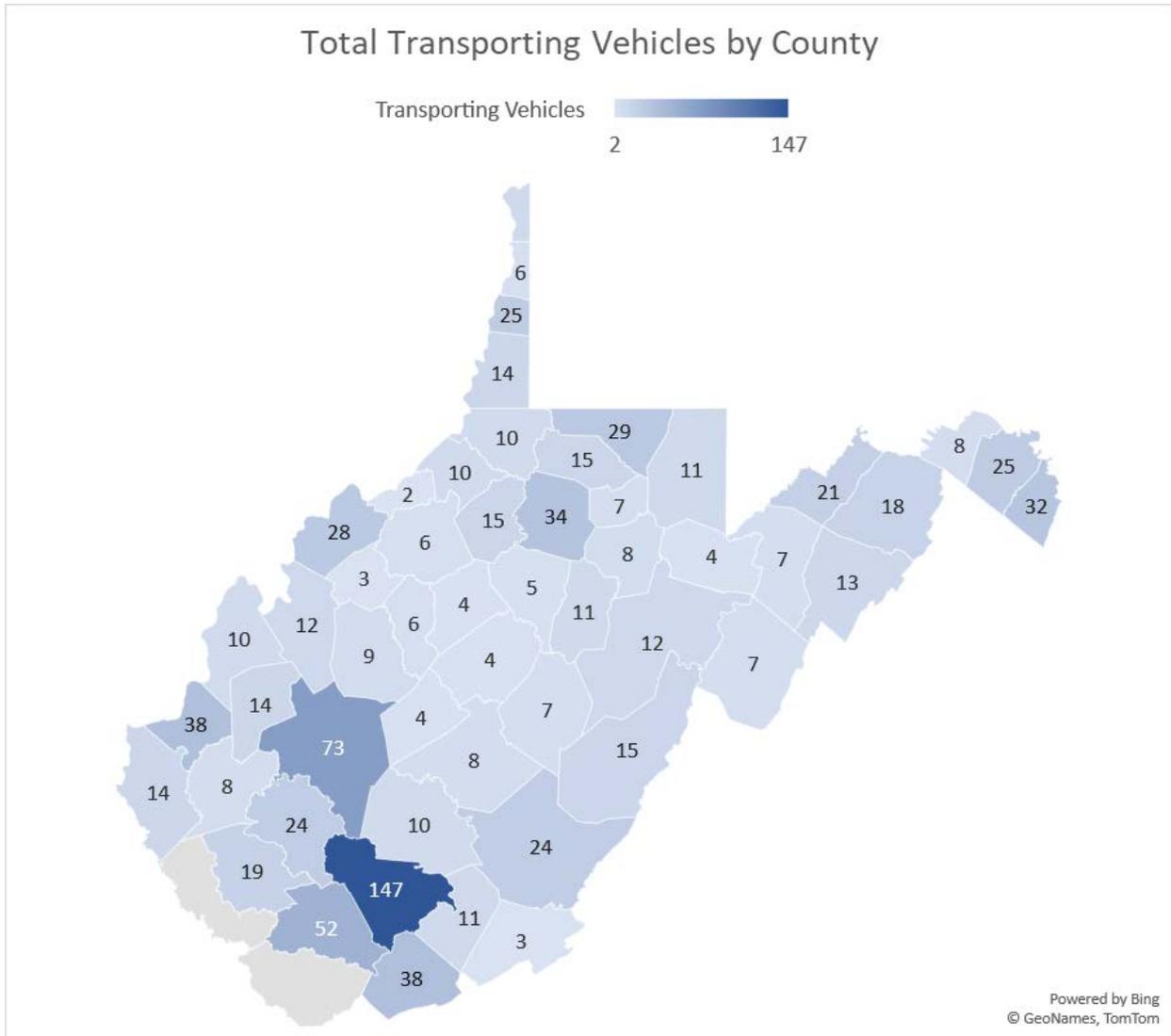


Figure 11 WV Map of EMS Vehicle Distribution by County

## Disciplinary Actions

West Virginia Code §16-4C-9(a) authorizes, upon written complaint, disciplinary action against licensed EMS providers. The chart below shows the total number of disciplinary actions against EMS personnel that were appealed during the last five years.

WVOEMS receives a wide variety of alleged complaints annually. Fortunately, many of these claims were unfounded and likely the result of the high stress environment in which EMS works. However, each received complaint is scrutinized and investigated to the greatest extent possible to preserve the integrity of the EMS profession and its professionals.

The chart below reflects the status of investigations following receipt of a written complaint against a licensed provider. All persons involved in these alleged complaints are considered innocent until otherwise adjudicated.

2023 CYTD	Denied	Letter of Reprimand	Monitoring	PI Review	Probation	Revoked	Surrendered in Lieu of Disciplinary	Unfounded, No Action Taken	Withdrawn	Grand Total
Alleged Criminal Conduct		2	3		1	1		6		13
Alleged Drug/Alcohol Abuse			2				2			4
Alleged Failure to Meet Certification Requirements			2	2	1			1		6
Alleged Failure to Meet License Requirements		3	2					1		6
Alleged Failure to Meet Patient Care Standards		2	3	12		1		20	2	40
Initial Background		1	1					1	1	4
<b><i>Grand Total</i></b>		<b><u>8</u></b>	<b><u>13</u></b>	<b><u>14</u></b>	<b><u>2</u></b>	<b><u>2</u></b>	<b><u>2</u></b>	<b><u>29</u></b>	<b><u>3</u></b>	<b><u>73</u></b>
2023 CYTD	Denied	Letter of Reprimand	Monitoring	PI Review	Probation	Revoked	Surrendered in Lieu of Disciplinary	Unfounded, No Action Taken	Withdrawn	Grand Total
Alleged Criminal Conduct		2	3		1	1		6		13
Alleged Drug/Alcohol Abuse			2				2			4
Alleged Failure to Meet Certification Requirements			2	2	1			1		6
Alleged Failure to Meet License Requirements		3	2					1		6

Alleged Failure to Meet Patient Care Standards	2	3	12		1		20	2	40
Initial Background	1	1					1	1	4
<b><u>Grand Total</u></b>	<b><u>8</u></b>	<b><u>13</u></b>	<b><u>14</u></b>	<b><u>2</u></b>	<b><u>2</u></b>	<b><u>2</u></b>	<b><u>29</u></b>	<b><u>3</u></b>	<b><u>73</u></b>

Following extensive investigations and with the assistance of counsel, each case is reviewed and outcomes are determined based upon severity of harm or potential of harm to citizens. Prior history as well as actions before and after the event are also examined. Outcomes are then scrutinized to assure fairness and equity for the involved individuals as part of the regulatory responsibilities of the office.

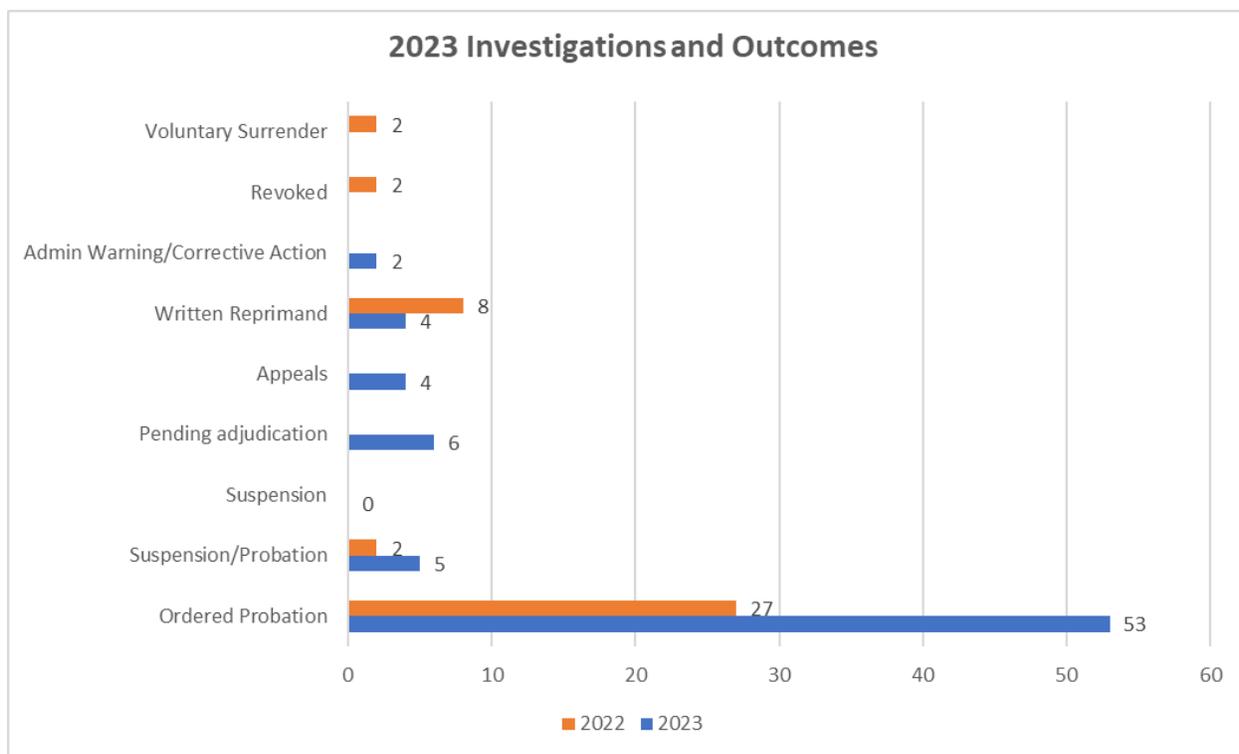


Figure 13 Table of 2023 infractions and outcomes

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