EMS Workforce Dashboard – Data Unit

Introduction

The goal of the EMS Workforce Dashboard is to provide information to analyze the status of the workforce in EMS. This dashboard is based on the Emergency Medical Technicians (EMT), Paramedics, and Public Safety Telecommunicators (PST) licenses. This information is combined with EPCR reports to determine active licenses in the EMS field. The information presented in the dashboard covers the last six years.

Index Links

Definitions:

The main concepts covered in the dashboard are:

- **Type of License**: Refers to the three types included in this dashboard: Emergency Medical Technicians (**EMT**), Paramedics (**PMD**), and Public Safety Telecommunicators (**PST**) licenses.

- **License Status**: It distinguishes between Active, Expired, or New.

  - o **Active**: Refers to licenses that are currently active.

  - o **Expired**: Includes licenses that have expired at any point and are no longer active.

- New: Represents licenses that became active in the selected period.

- **County**: List of counties in Florida.

- **Active in EMS**: Element that distinguishes if licenses are active or not in EPCR reports using the data elements eCrew.01 Crew Member ID and eCrew.02 Crew Member Level.

- **Calls Volume**: Number of events where eResponse.05 Type of Service Requested equal 2205001 Emergency Response (Primary Response Area) / 9-1-1 scene response.

- **Population**: Number of residents. Information obtained from Florida Health Charts:

  - "The foundation for FLHealthCHARTS.gov population estimates is the Florida Legislature, Office of Economic and Demographic Research (EDR) midyear population estimates (July 1). Using these data from EDR, FLHealthCHARTS.gov updates population estimates for the current year plus 5 future years. The update occurs in late November – December, based on the availability of the EDR data. Provisional Population estimates are updated annually. Once the final data is posted, it does not change. If there are no values for the field selected, it will not be displayed".

Elements of the Dashboard

The dashboard contains one table, twelve charts, and five filter options.

Filter Options:

- **Year:** Allows the user to select a specific year.

- **Type of License**: Enables the user to visualize information for specific licenses: EMT, PMD, and PST.

- **License Status**: Allows filtering licenses for Active, Expired, or New.

- **County**: List of counties that can be used to filter the information.

- **Active in EMS**: Allows the user to filter information and view licenses active or not in EPCR reports during the selected period. "Yes" for present in EPCR reports and "No" for non-present in EPCR reports. This parameter links the license of the EMT, PMD, or PST to the EPCR reports to determine it.
- **Definitions**: The list included in this guide.

Active in Field (EMS) Licenses

Three KPI charts indicate the total number of licenses Active in EMS and with a License Status = Active in 2024. Other filters won't affect these charts.
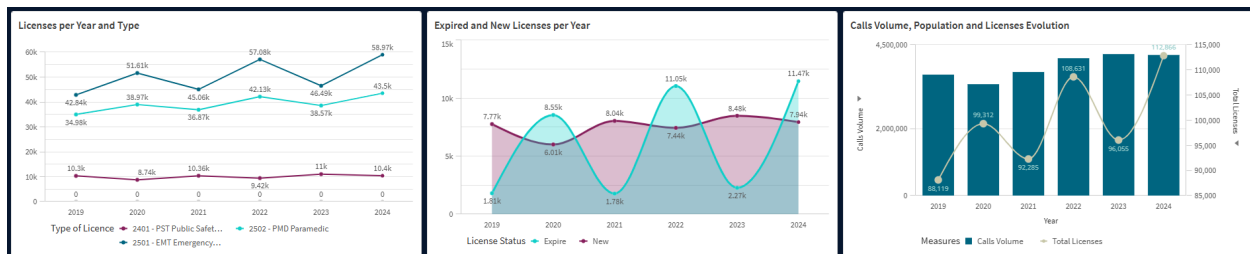
Active in Field EMTs 2024	Active in Field PMDs 2024	Active PSTs 2024
15.27k	23.84k	8.92k

Historical Information Charts per Licenses

These three charts show:

1. The evolution in the number of licenses for EMTs, PMDs, and PSTs per year.
2. The number of new and expired licenses per year.
3. The relationship between the number of licenses and the total number of 911 calls and population.
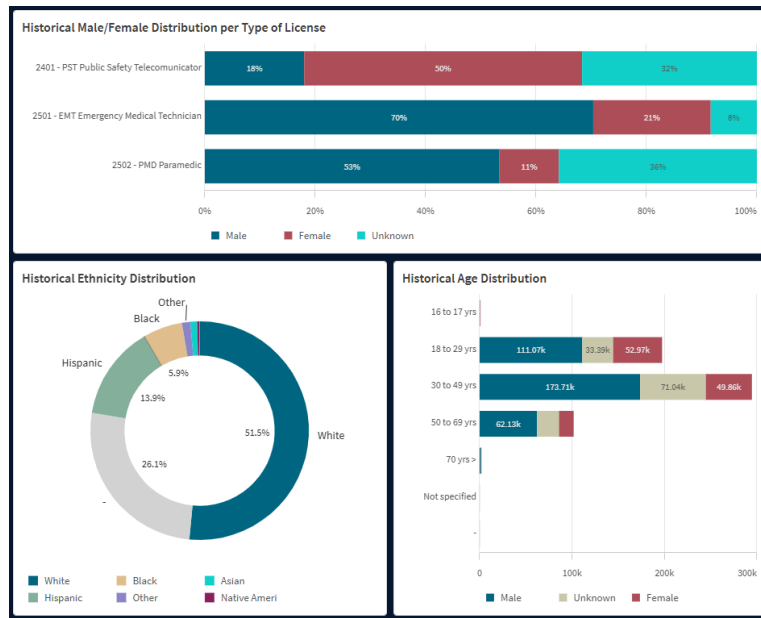
Clicking any element of the dashboard filters the information based on it. Consider the License Status filter when you analyze the information. You'll need to specify if you want to see only active, expired, or new licenses displayed.
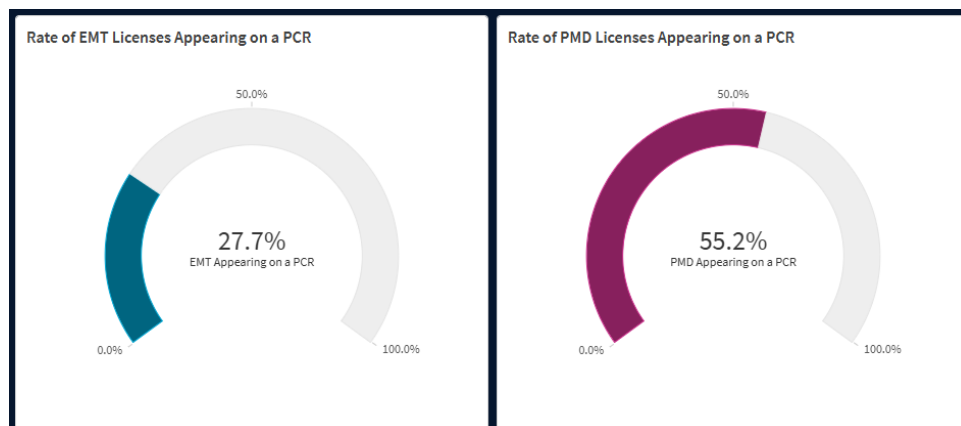
Demographics

Three charts are included in this section to show historical distribution for age, sex, and ethnicity.

Historical Male/Female Distribution per Type of License

License	Male	Female	Unknown
2401 - PST Public Safety Telecomunicator	18%	50%	32%
2501 - EMT Emergency Medical Technician	70%	21%	8%
2502 - PMD Paramedic	53%	11%	36%

Historical Ethnicity Distribution

- White: 51.5%
- Hispanic: 13.9%
- Black: 5.9%
- (gray): 26.1%
- Other
- Black

Legend: White, Black, Asian, Hispanic, Other, Native Ameri

Historical Age Distribution

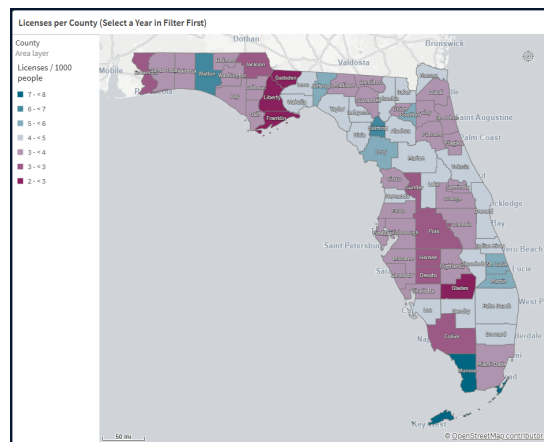| Age	Male	Unknown	Female
16 to 17 yrs			
18 to 29 yrs	111.07k	33.39k	52.97k
30 to 49 yrs	173.71k	71.04k	49.86k
50 to 69 yrs	62.13k		
70 yrs >			
Not specified			

Licenses on Electronic Patient Care Reports (EPCRs)

These two charts show the percentages of EMTs and PMDs that can be found in EPCRs. Consider the different filters when you analyze the information.

Rate of EMT Licenses Appearing on a PCR

27.7%
EMT Appearing on a PCR

Rate of PMD Licenses Appearing on a PCR

55.2%
PMD Appearing on a PCR

Licenses per County- Map and Table

A chart and a table compare the number of licenses in each county and how that compares to the population and number of 911 events in each county. Measures of Licenses per thousand people and Licenses per thousand events can be visualized in the table and the tooltip of the map. **Important note**: For visualizing the map and table correctly, you must select a Year in the filters.

Active EMT and PMD Licenses per County (Select a Year in Filter First)

County	Total Licenses	Population	Calls Volume	Licenses / 1000 People	Licenses / 1000 Events
Totals	112,866	22,993,039	4,198,379	4.91	26.88
Alachua	1,608	294,957	74,927	5.45	21.46
Baker	187	28,516	3,943	6.56	47.43
Bay	870	188,515	31,419	4.62	27.69
Bradford	183	27,020	5,555	6.77	32.94
Brevard	3,332	646,120	116,869	5.16	28.51
Broward	9,876	2,005,015	199,273	4.93	49.56
Calhoun	51	13,907	1,856	3.67	27.48
Charlotte	885	204,888	33,788	4.32	26.19
Citrus	599	162,088	30,041	3.70	19.94
Clay	1,173	233,113	41,833	5.03	28.04
Collier	1,453	405,532	73,550	3.58	19.76
Columbia	349	73,152	10,392	4.77	33.58
Desoto	99	35,194	4,485	2.81	22.07
Dixie	78	17,279	3,716	4.51	20.99

Qlik Chart Float Menu (Available only to Florida DOH Users)

When you position the cursor over the top right corner of any table or graph in Qlik, you'll see the float menu. This allows you to:

- **Icon (i)**: Display information about the dimensions and measures used to create the table or graph.

- **Two arrows:** Display the table or chart in full screen.

- **Three dots:** Access additional options, including:

- **View Data:** Display the information of the visualization in a table. To return to the actual visualization, click the three dots and select "view chart."

- **Share:** Copy the chart to display it as a link (this option might be unavailable for certain dashboards).

- **Storytelling Snapshots:** Create presentations using Qlik visualizations. This feature is available only for presentations in Qlik.

- **Download as:** Download the table or chart as an image, PDF, or Excel file with the data contained in the chart.