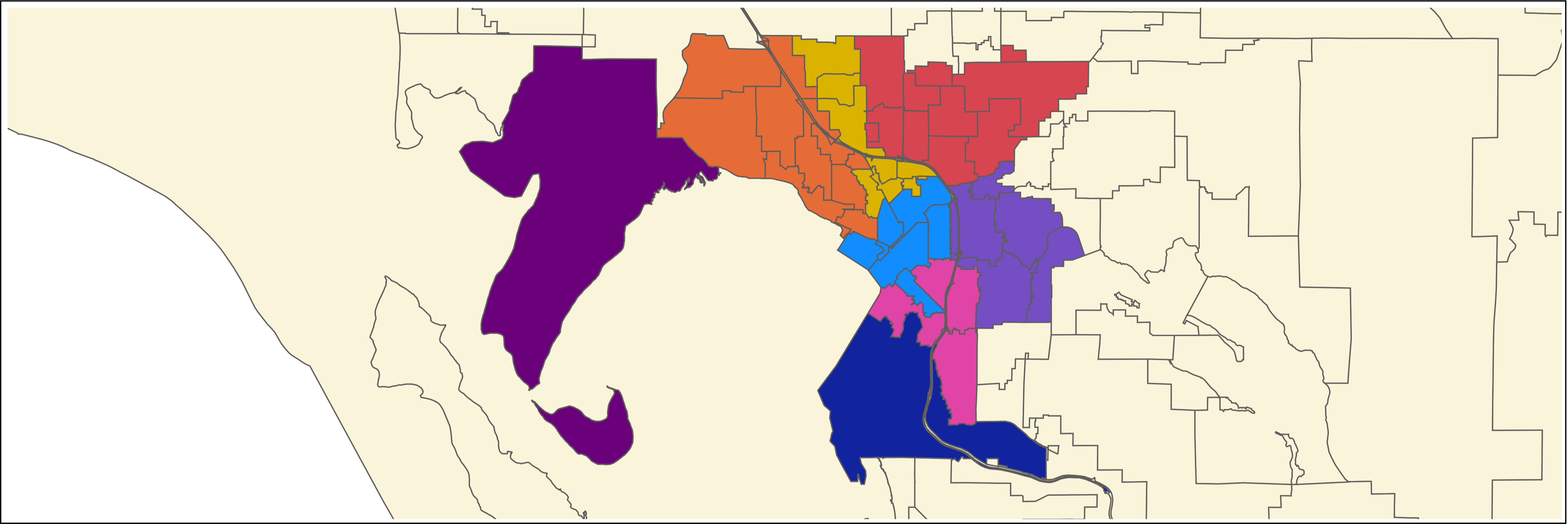




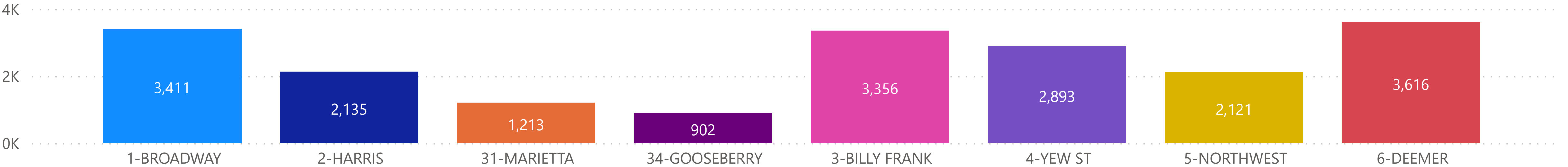
Bellingham Fire Department Annual Report 2021

First Due Coverage Area

The Bellingham Fire Department primary coverage area for engine companies includes Bellingham city limits, Marietta, and the Lummi Reservation. Paramedic units respond throughout Whatcom County providing advanced life support.



Calls by First Due Area



Call Volume in 2021

Total Calls and Year Over Year Change Compared To Previous Years



2021 Total Calls

23,403

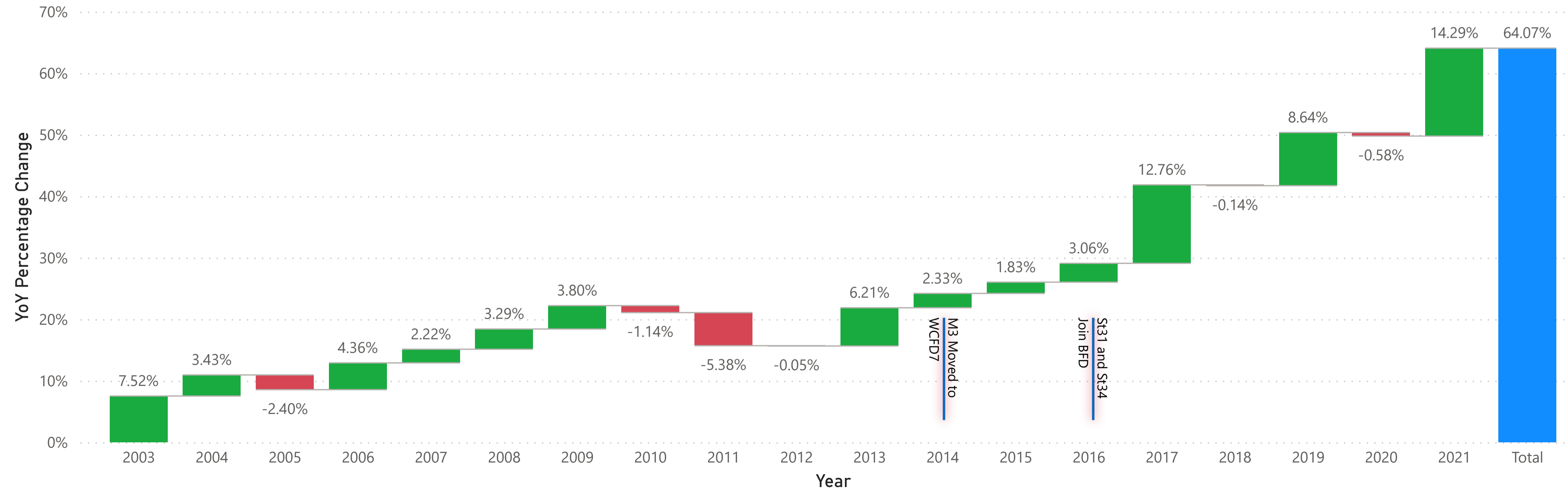


14.29%

Percentage Change in Calls from Last Year

YoY Call Volume Change

● Increase ● Decrease ● Total

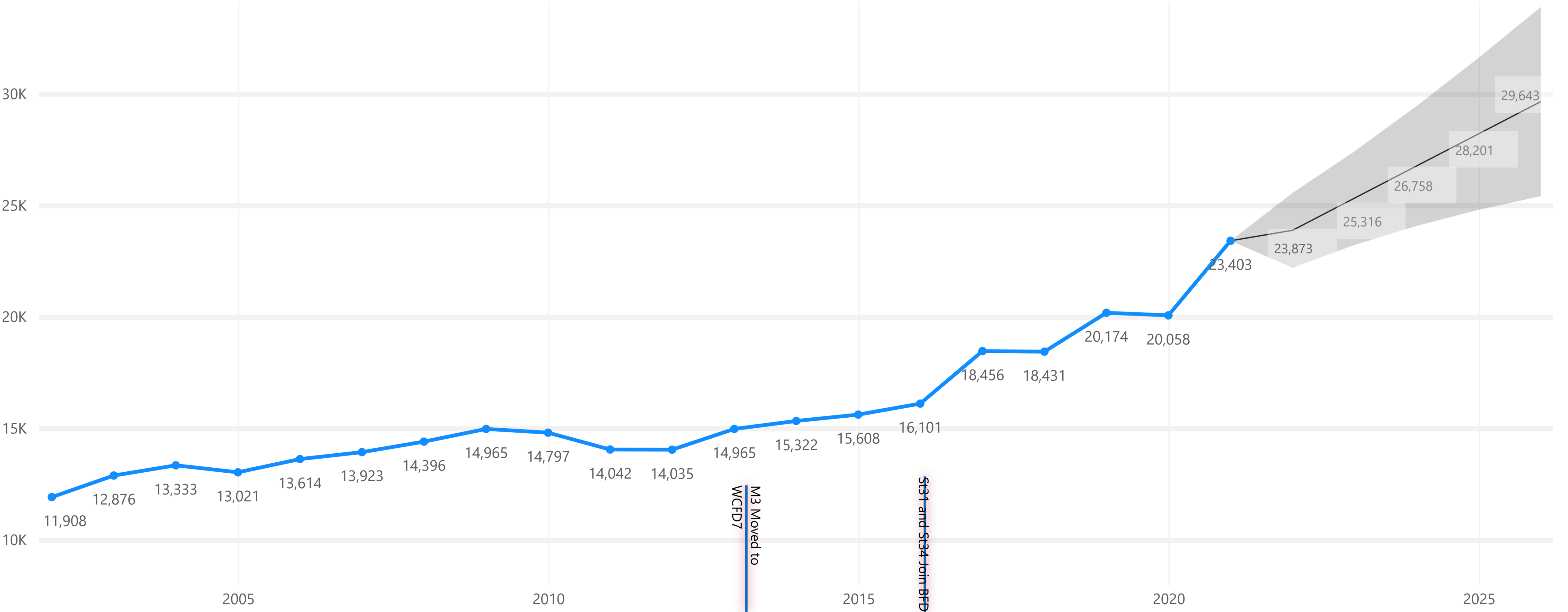


Call Volume in 2021



Call Volume by year with a 5 year projection. The graph below represents the dispatches of all types from 2002 to through 2021. It includes a forecast for call volume with a 95% confidence interval.

Call Volume by Year with Projection



Call Volume in 2021

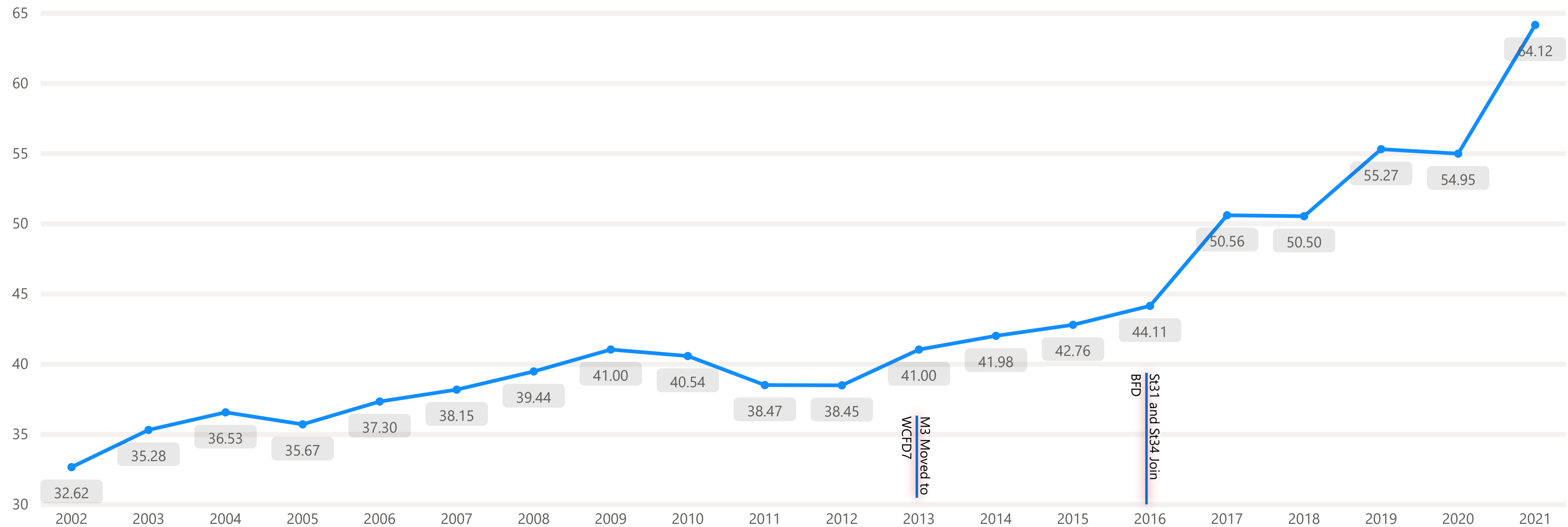
The average number of calls received per day by year



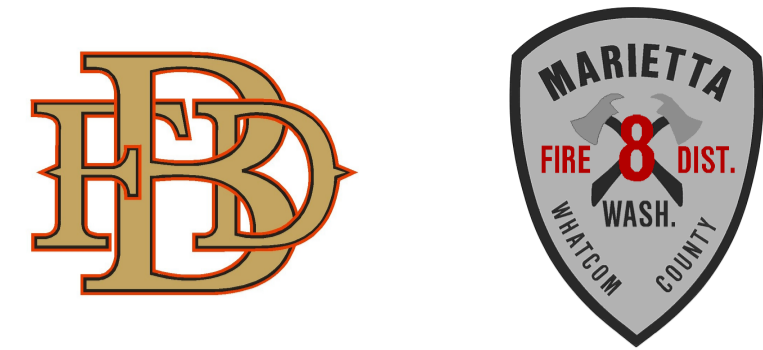
2021 Average Calls Per Day

64.12

Calls Per day by Year



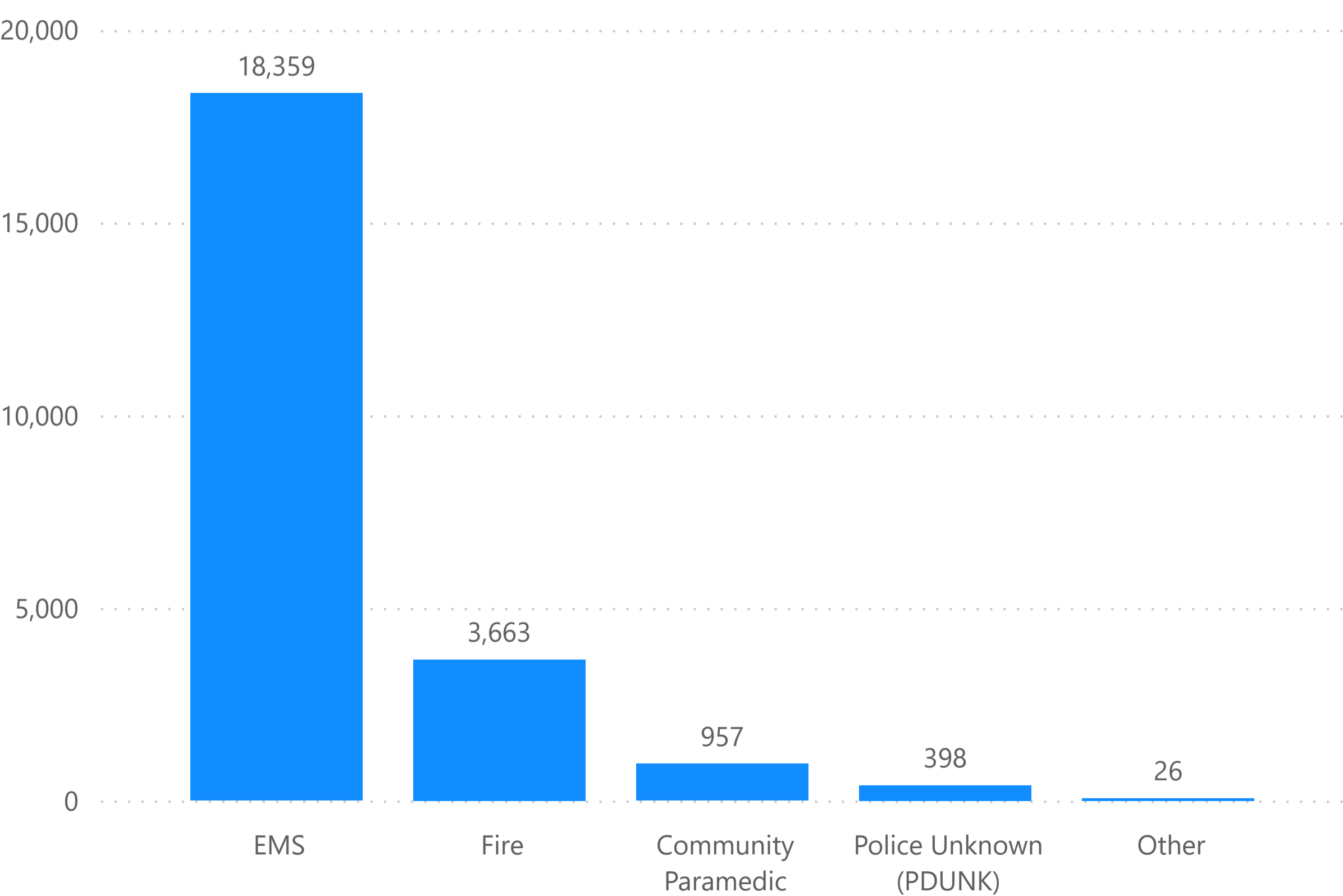
Call Volume in 2021



Calls by Category

Calls for service are answered at the 911 center. They are triaged and dispatched into three broad categories: Fire (non-EMS), EMS, and Community Paramedic. These are called Dispatch Categories. As a call progresses and is finalized the final call type may change into one of hundreds of different final call types.

Call Volume by Dispatch Category



Final Call Type

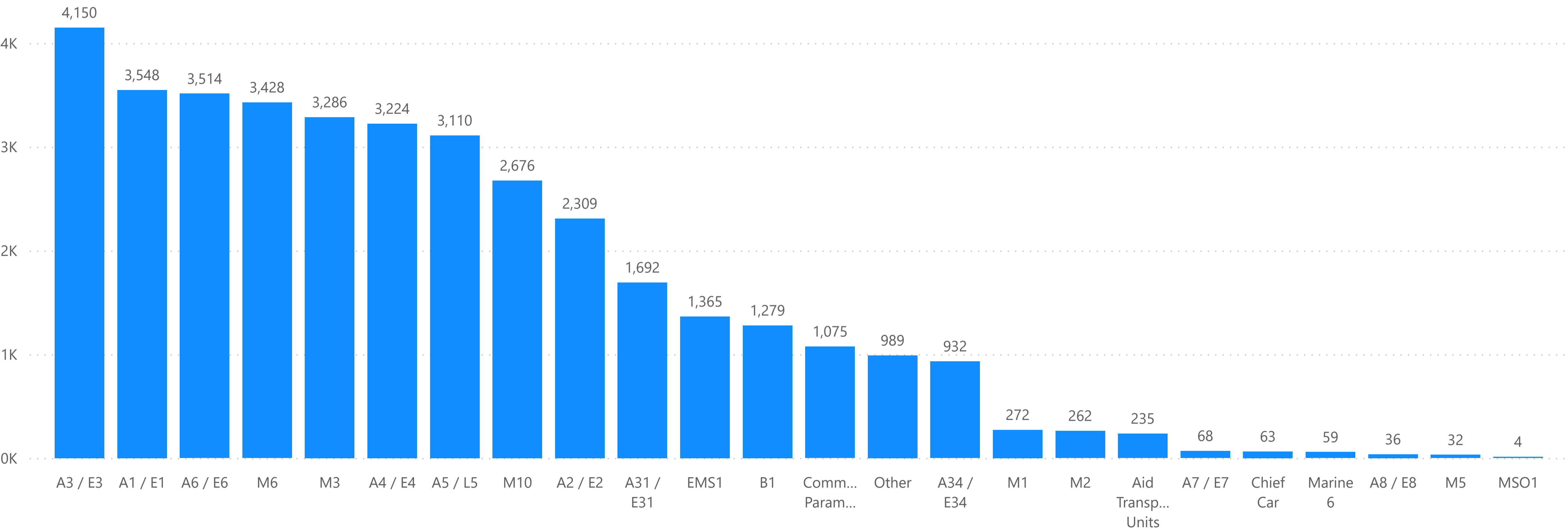
Call Type	# of Incidents	Percentage of Calls
Rescue & Emergency Medical Service Incident	16,560	70.76%
Good Intent Call	3,480	14.87%
False Alarm & False Call	1,080	4.61%
Service Call	917	3.92%
Fire	658	2.81%
No Type Specified	437	1.87%
Hazardous Condition (No Fire)	190	0.81%
Special Incident Type	67	0.29%
Overpressure Rupture, Explosion, Overheat (No Fire)	10	0.04%
Severe Weather & Natural Disaster	4	0.02%
	0	0.00%

Call Volume in 2021

Calls by Apparatus Company



Call Volume by Apparatus Company



Fractile Times for Critical Calls



Fractile is a measurement used in emergency services to describe the percentage of time a specific metric is met. These are measured against critical EMS/Fire calls. A 90% fractile time means that 90% of incidents are below the stated time.

Critical calls are defined as calls with an 'Echo' or 'Delta' level response. These calls are triaged as requiring the highest priority response.

The times below are calculated for geographic areas in Bellingham Fire Departments primary jurisdiction

Turnout Time is the amount of time between an apparatus being dispatched to an incident to that apparatus being enroute to an incident.

Median Turnout Time

00:01:29

90% Turnout Time

00:02:49

Response Time is the amount of time taken from dispatch to arrival on scene. First Unit Response is the time of the first unit to arrive to call

Median First Unit Response

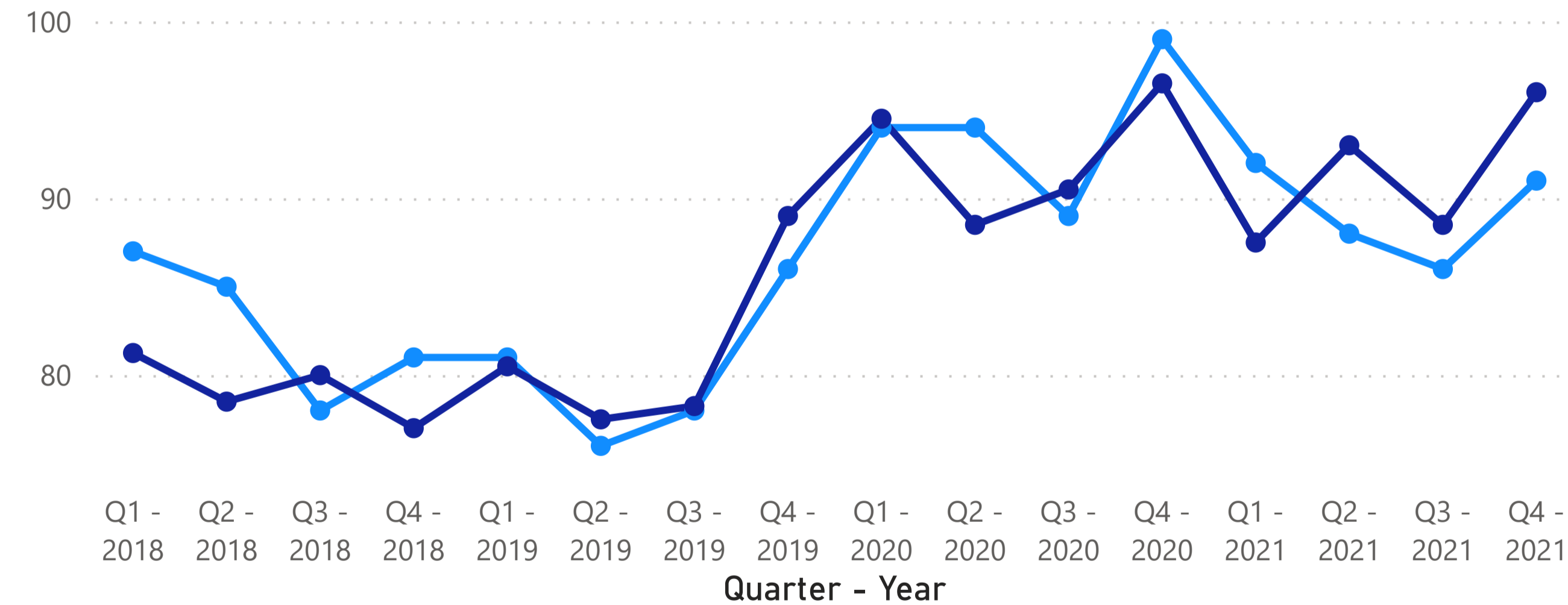
00:05:02

90% First Unit Response

00:08:10

Median Turnout and Response Time by Quarter

● Median Turnout Time In Seconds ● Median First Unit Response Time



Fire Response

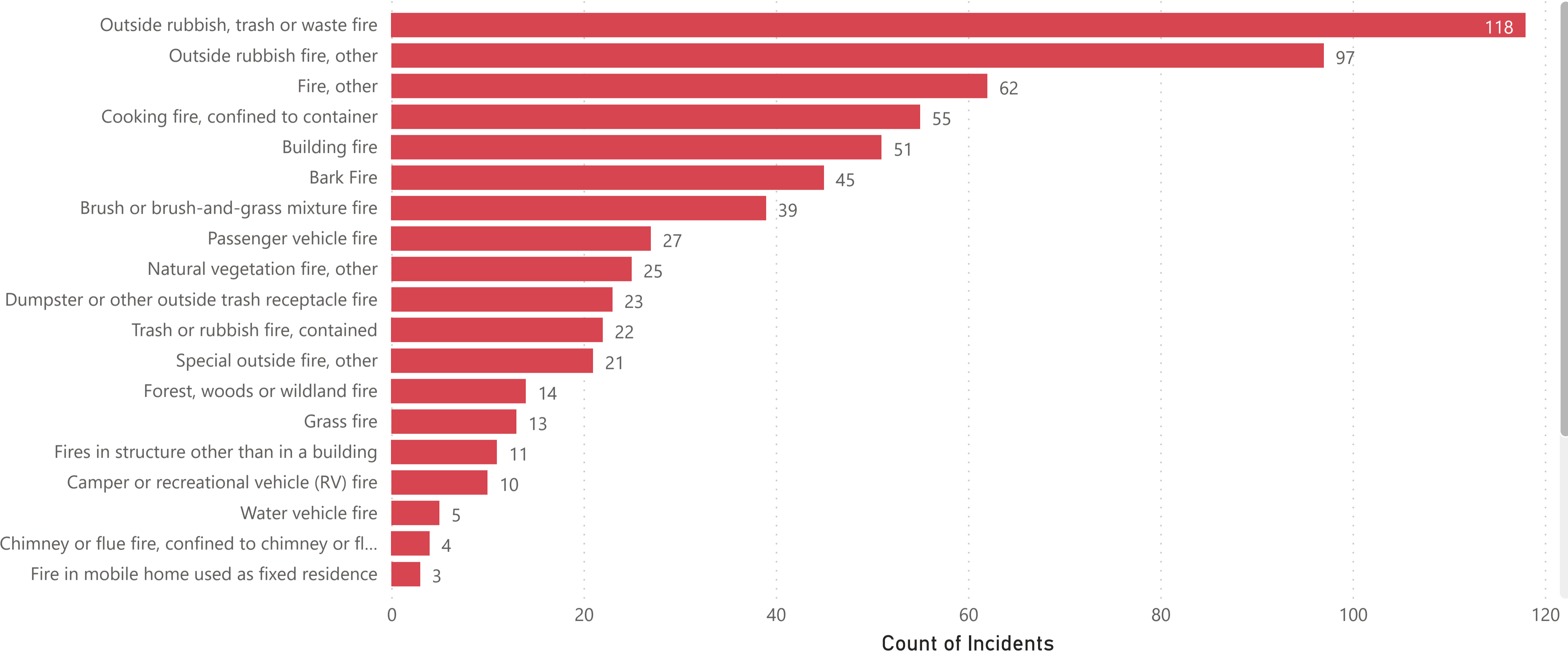


Calls that are given a final type category of 'Fire' are categorized below. Special attention is given to structure fires which include fire emergencies in buildings or mobile property used as a fixed structure.

Fire Response

658

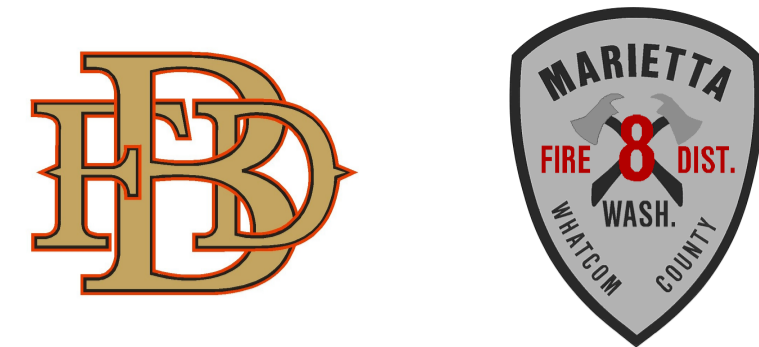
Fire Incidents by Type



BFD provided aid **32** times to neighboring agencies for fire responses

BFD Received Aid **3** times from neighboring agencies for fire responses

Structure Fires

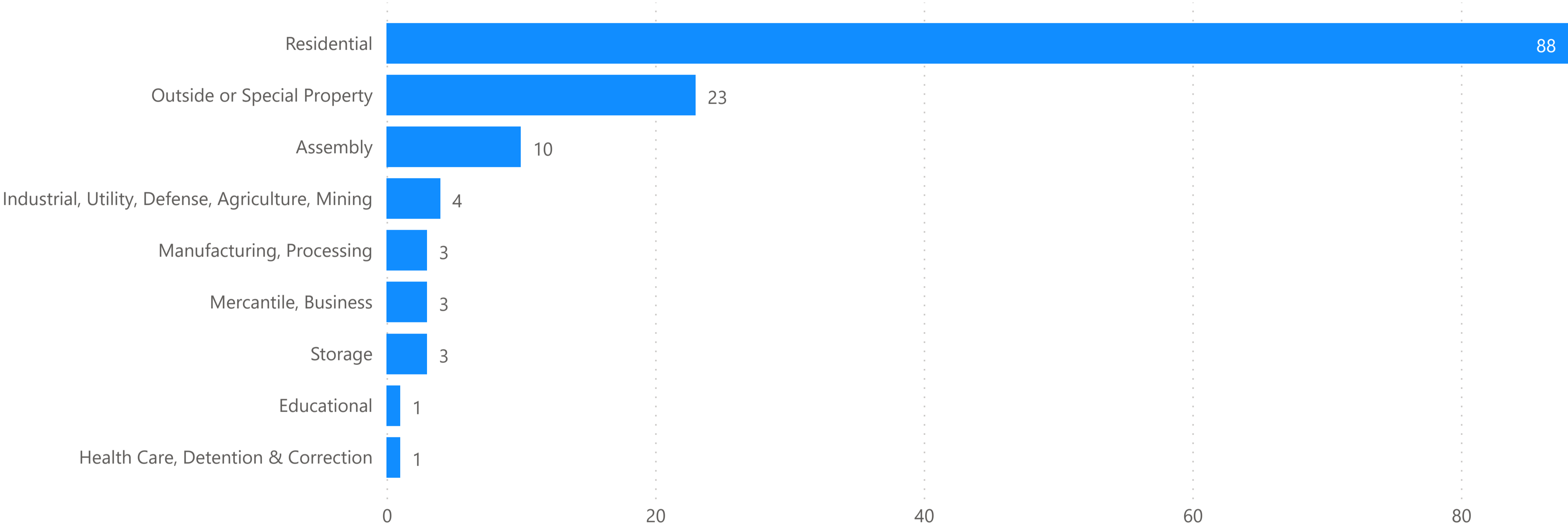


Structure Fires within Bellingham Fire Departments First Due Area

Total Structure Fires in
2021

139

Stucture Fire Property Types



Median Turnout for Critical Structure Fires

00:02:01

Median First Unit Response Time for Critical Structure Fires

00:05:59

90% Turnout Time For Critical Structure Fires

00:03:22

90% First Unit Response Time for Critcal Structure Fires

00:08:34

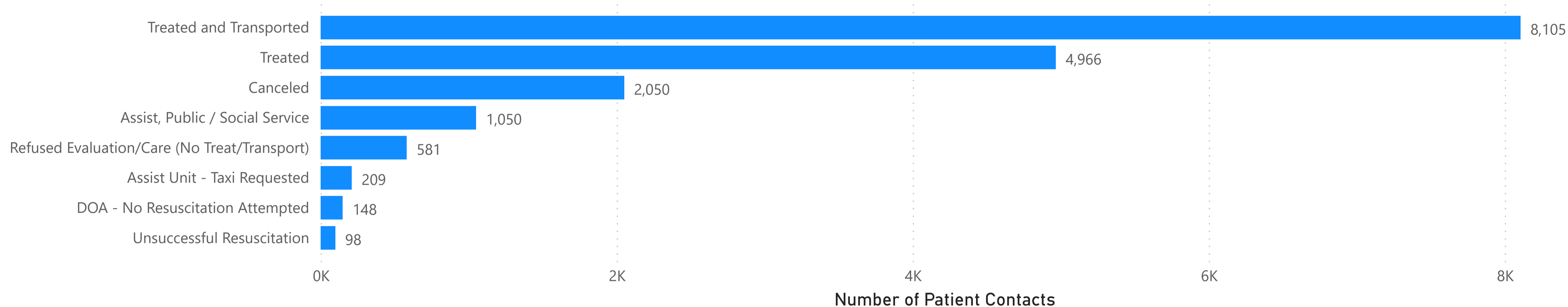
EMS



BFD made **17,269** separate patient contacts

And transported patients **8,105** times

EMS Reports by Primary Disposition



90% Turnout Time To Critical
EMS Incidents

00:02:45

Median Turnout for Critical EMS
Incidents

00:01:24

90% Arrival of First Unit of Critical
EMS Incidents in BFD First Due Aea

00:08:08

Median Arrival of First Unit to Critical
EMS Incidents in FD First Due Area

00:05:01

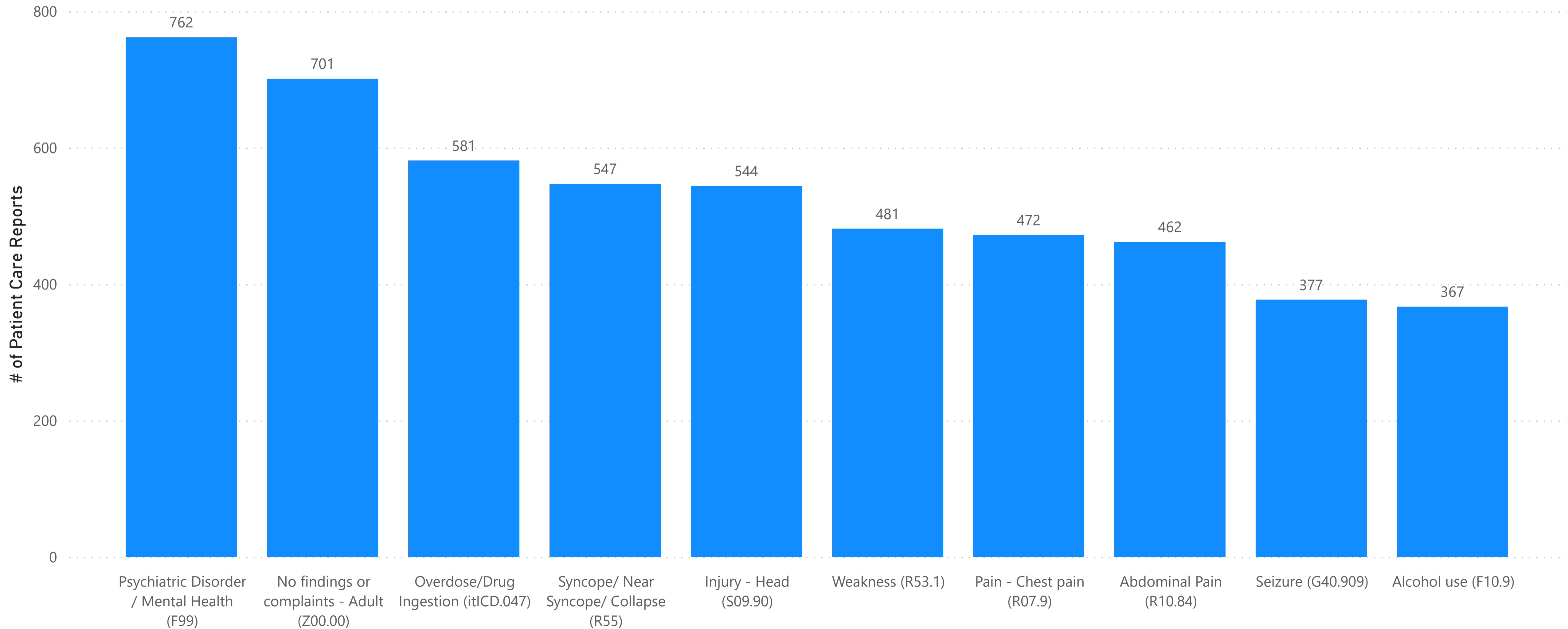
EMS



Top 10 Primary Impressions documented.

Primary Impressions are the EMS providers impression of the patients most significant condition that led to a call for service

Top Primary Impression



Paramedic and ALS Service

As part of the Whatcom County EMS system. Bellingham Fire Department Paramedic units provide ALS system to BFDs first due area as well as all of Whatcom County.



90% Arrival Time for a Medic Outside BFD First Due Area

00:28:56

Median Arrival Time for a Medic Outside BFD First Due Area

00:15:17

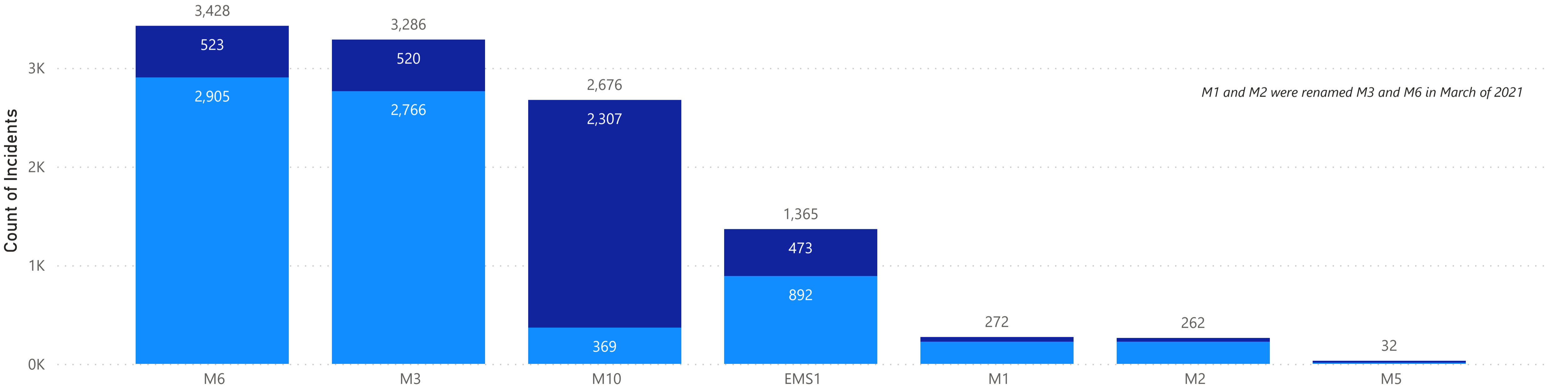
BFD Paramedics Responded to **9,613** Calls

6,213 Calls were inside BFDs first due area

3,400 Calls were outside BFDs first due area

Medic Calls by First Due Area

First Due Department ● Bellingham Fire Department ● Other



Community Paramedic



The Community Paramedic program of the Bellingham Fire Department was established in 2014. The purpose of the program is to help connect frequent utilizers of 9-1-1 services for non-emergent medical needs to more appropriate services. The benefit of the program is two-fold; citizens are connected to medical and social services that better meet their needs and it creates capacity for the Fire Department to more quickly respond to true emergencies.

The Community Paramedic program most frequently serves citizens dealing with complex medical issues including substance abuse, mental illness and complications related to aging, disability, fall-risk and homelessness by assessing their needs and coordinating their care with appropriate community resources.

49

Patient Enrollments in Community Paramedic programs in 2021

34

Patient Graduations from Community Paramedic programs in 2021

968

Community Paramedic Patients Visited and Provided Care

163

Of these were referred to BFD by other agencies

122

EMS Calls Handled by Community Paramedics