

Maine EMS for Children Statewide MEFIRS Pediatric Data Quarter 1 2019 (Jan. 1 – Mar. 30)



The Maine EMS for Children Program is pleased to share this data collected from the Maine EMS & Fire Incident Reporting System (MEFIRS). The data included is as reported by the EMS providers across Maine via state required patient care reports. Data is included for patients age 18 and under only. Data does not include Lifeflight of Maine. No patient identifiable information is included. An excel spreadsheet of the raw data is available on the Maine EMS website, under EMS-C Resources. Visit www.maine.gov/ems for further information.

Thank you to the EMS providers of Maine for your efforts and diligence in documenting your patient care to help us allow for better system wide improvements. Please feel free to reach out with comments and questions.

Never stop learning.

Marc Minkler Program Manager, Maine EMS-C

This project is supported by the Health Resources and Services Administration (HRSA), Maternal and Child Health Bureau (MCHB), Emergency Medical Services for Children (EMSC) State Partnership grant program, Grant # H33MC31622. This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government.

Pediatric EMS Responses Q1, 2019

3,580 EMS RESPONSES

January - 1237 February - 1095 March - 1248



Level of Assessment & Care	Responses	%
ALS	1360	38%
BLS	1940	54%
Community Paramedicine	9	0%
None Provided	52	1%
PIFT	77	2%
Specialty Care Transport	108	3%
(blank)	34	1%
Grand Total	3580	100%

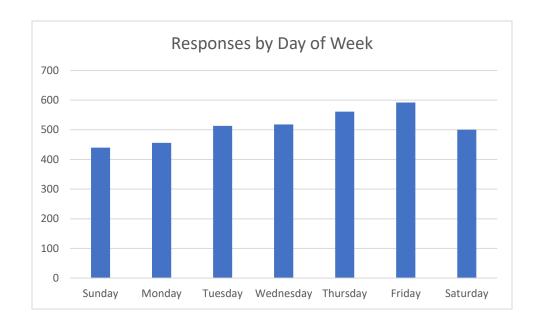
Responses by County

County	Responses
Androscoggin	354
Aroostook	155
Cumberland	682
Franklin	117
Hancock	97
Kennebec	377
Knox	75
Lincoln	84
Oxford	190
Penobscot	464
Piscataquis	44
Sagadahoc	61
Somerset	219
Waldo	100
Washington	80
York	441
NH Carroll	3
NH Hillsborough	1
NH Merrimack	1
NH Rockingham	1
NH Strafford	4
(blank)	30
Grand Total	3580

54% of responses were managed at the BLS level, while 74% of responses had a paramedic available.

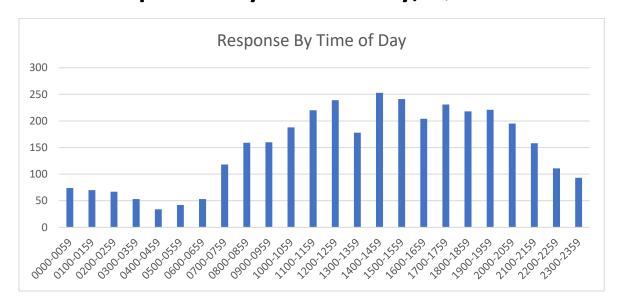
Responses By Day of Week

Day	Responses
Sunday	440
Monday	456
Tuesday	513
Wednesday	518
Thursday	561
Friday	592
Saturday	500
Grand Total	3580



Statistically, the most likely time of a pediatric call is between 2 and 3pm on a Friday.

Responses By Time of Day, Q1 2019



Incident Time	Responses
0000-0059	74
0100-0159	70
0200-0259	67
0300-0359	53
0400-0459	34
0500-0559	42
0600-0659	53
0700-0759	118
0800-0859	159
0900-0959	160
1000-1059	188
1100-1159	220
1200-1259	239
1300-1359	178
1400-1459	253
1500-1559	241
1600-1659	204
1700-1759	231
1800-1859	218
1900-1959	221
2000-2059	195
2100-2159	158
2200-2259	111
2300-2359	93
Grand Total	3580



Disposition of Pediatric Responses, Q1 2019

Disposition	Responses
Assist – Other Unit or Agency	28
Assist - Public	11
Canceled (Prior to Arrival At Scene)	2
Community Paramedicine Visit	9
Dead at Scene - No Resuscitation Attempted	9
Dead at Scene - Resuscitation Attempted	12
Paramedic Intercept	17
No Patient Found/Contact	2
Patient Evaluated, No Treatment/Transport Required	259
Patient Refused Evaluation/Care/Transport	89
Patient Treated - Refused Transport	410
Standby - No Patient Contact	2
Treated - Transported by this EMS Unit	2571
Treated, Transferred Care to Another EMS Unit	159
Grand Total	3580

24% of responses for a pediatric patient resulted in a non-transport.

Patient Gender

Gender	Responses	%
Female	1717	48.0%
Female to Male	11	0.3%
Male	1826	51.0%
Male to Female	2	0.1%
Unknown (Unable to Determine)	23	0.6%
(blank)	1	0.0%
Grand Total	3580	100.0%



Age Breakdown of Patients, Q1 2019

All Ages (0-18)

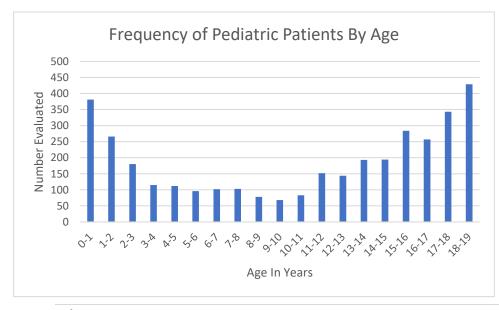
Age	Responses
0-1	381
1-2	266
2-3	180
3-4	115
4-5	112
5-6	96
6-7	102
7-8	103
8-9	78
9-10	68
10-11	83
11-12	152
12-13	144
13-14	193
14-15	194
15-16	284
16-17	257
17-18	343
18-19	429
Total	3580

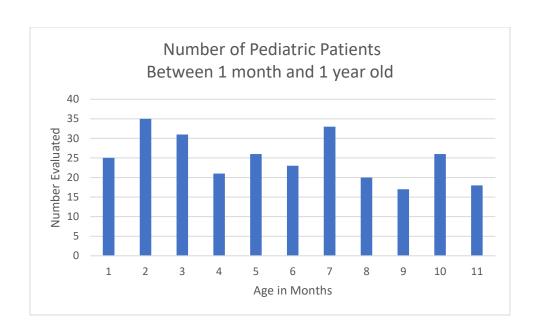
Under 1 Year

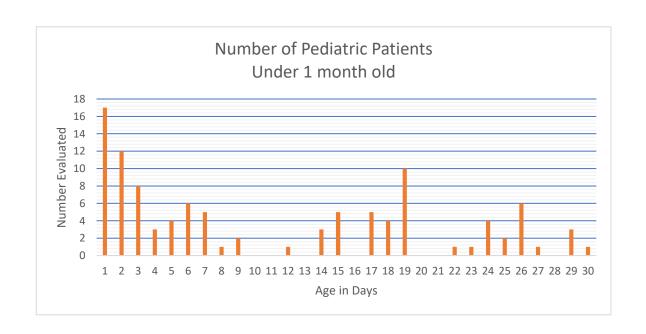
Age in Months	Responses
1	25
2	35
3	31
4	21
5	26
6	23
7	33
8	20
9	17
10	26
11	18
Total	275

Under 1 Month

Age in Days	Responses
1	17
2	12
3	8
4	3
5	4
6	6
7	5
8	1
9	2
10	0
11	0
12	1
13	0
14	3
15	5
16	0
17	5
18	4
19	10
20	0
21	0
22	1
23	1
24	4
25	2
26	6
27	1
28	0
29	3
30	1
TOTAL	105







Primary Impression, Q1 2019

Top 10 Primary Impressions

Primary Impression	Occurrences
No findings or Complaints	420
Behavioral - Psychiatric Episode	366
Neurological - Seizure	278
Injury - Head/Face/Neck	197
Behavioral - Anxiety	147
Behavioral - Suicide attempt	106
Medical - Cold / Flu Like Symptoms	104
Medical - Fever	100
Medical - Malaise / Weakness	100
Respiratory - Distress	94



All Primary Impressions

Primary Impression	Occurrences
Abdomen - Acute	24
Abdomen - Appendicitis	31
Airway - Choking	25
Airway - Pneumothorax - Spontaneous	2
Behavioral - Anxiety	147
Behavioral - Excited Delirium	5
Behavioral - Psychiatric Episode	366
Behavioral - Suicide attempt	106
Cardiac - Arrest	20
Cardiac - Arrhythmia	13
Cardiac - Chest pain	11
Cardiac - CHF	5
Cardiac -Tamponade	1
Environmental - Frostbite - Superficial	3
Environmental - Heat exhaustion	1
Environmental - Hypothermia	6
Foreign body - Eye	2
Foreign body - Gastrointestinal Tract	4
Foreign body - Genitourinary tract	1
Foreign body - Respiratory tract	6
GI - Blood in Stool	2
GI - Constipation	7

Primary Impression	Occurrences
GI - Diarrhea	7
GI - GERD	1
GI - Nausea	12
GI - Nausea and/or Vomiting	72
Hemorrhage - Epidural	4
Hemorrhage - Subdural, Traumatic	1
Hemorrhage - Vaginal/Uterine	2
Injury - Abdomen	12
Injury - Back	21
Injury - Chest	10
Injury - Genitals/Hip	17
Injury - Head/Face/Neck	197
Injury - Inhalation	4
Injury - Lower Extremity	83
Injury - Unspecified	14
Injury - Upper Extremity	61
Medical - Allergic Reaction	46
Medical - Altered Mental Status	42
Medical - Anemia	4
Medical - Cancer	1
Medical - Cold / Flu Like Symptoms	104
Medical - Dehydration	17
Medical - Diabetic Ketoacidosis	24
Medical - Epiglottitis	4
Medical - Fever	100
Medical - Headache / Migraine	25
Medical - Hyperglycemia	6
Medical - Hypertension	1
Medical - Hypoglycemia	13
Medical - Infection - Skin	20
Medical - Infectious Disease - Non-specific	9
Medical - Malaise / Weakness	100
Medical - Medical Device Failure	4
Medical - Sepsis	6
Medical - Sickle Cell Crisis	3
Medical - Syncope	77
Medical - Urinary tract infection	5
Neurological - Seizure	278
Neurological - Stroke/CVA/TIA	5
Newborn - Premature	12
Newborn - Respiratory distress	11
No findings or Complaints	420

Primary Impression	Occurrences
OB/GYN - Labor and Delivery	3
OB/GYN - Miscarriage	1
OB/GYN - Pre-eclampsia	1
Pain - Abdominal	63
Pain - Acute	35
Pain - Arm	47
Pain - Back	47
Pain - Chest-Non Cardiac	17
Pain - Eye	3
Pain - Hip	19
Pain - Leg	65
Pain - Tooth/Mouth/Throat	6
Respiratory - Acute Bronchitis	19
Respiratory - Acute Bronchospasm	15
Respiratory - Arrest	4
Respiratory - Asthma, Acute exacerbation	52
Respiratory - Croup	39
Respiratory - Distress	94
Respiratory - Pneumonia	34
Respiratory - R.S.V.	49
Shock - Anaphylactic	11
Shock - Cardiogenic	1
Shock - Hypotension	2
Shock - Hypovolemia	1
Toxin - Alcohol use	37
Toxin - Cannabis use	3
Toxin - Opioid use	4
Toxin - Overdose/Drug Ingestion (non-opiod)	74
Trauma - Burn	18
Trauma - Concussion	43
Trauma - Epistaxis	14
Trauma - Multiple injuries	59
Vision - Disturbance	2
(blank)	55
Grand Total	3580

Destination of Pediatric Transports, Q1 2019

Top 10 Destinations

Destination	Transports
MAINE MEDICAL CENTER	620
EASTERN MAINE MEDICAL CENTER	276
CENTRAL MAINE MEDICAL CENTER	133
ACADIA HOSPITAL	132
MAINE GENERAL MEDICAL CENTER - ALFOND CENTER FOR HEALTH	129
SAINT MARYS REGIONAL MEDICAL CENTER	120
SPRING HARBOR HOSPITAL	101
SMHC - BIDDEFORD MEDICAL CENTER	83
MID COAST HOSPITAL	80
REDINGTON FAIRVIEW GENERAL HOSPITAL	75

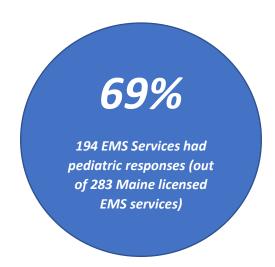
All Transport Destinations

Destination	Transports
(AP) BANGOR INTERNATIONAL AIRPORT	5
(AP) CARIBOU MUNICIPAL AIRPORT	1
(AP) KNOX COUNTY REGIONAL AIRPORT	1
(AP) NORTHERN MAINE REGIONAL AIRPORT	3
(MA) CHILDRENS HOSPITAL BOSTON	7
(MA) MASS GENERAL HOSPITAL	3
(MA) TUFTS MEDICAL CENTER	1
(NH) FRISBIE MEMORIAL HOSPITAL	4
(NH) HAMPSTEAD HOSPITAL	5
(NH) MEMORIAL HOSPITAL	5
(NH) OTHER HEALTHCARE FACILITY, INSTITUTION OR LOCATION	2
(NH) PORTSMOUTH REGIONAL HOSPITAL	2
(NH) WENTWORTH DOUGLASS HOSPITAL	12
A.R. GOULD HOSPITAL	22
ACADIA HOSPITAL	132
AMHC - CALAIS	6
AMHC - FT FAIRFIELD	5
BLUE HILL HOSPITAL	6
BLUE HILL MEMORIAL HOSPITAL	3
BRIDGTON HOSPITAL	27
CALAIS REGIONAL HOSPITAL	26
CARY MEDICAL CENTER	29

Destination	Transports
CENTRAL MAINE MEDICAL CENTER	133
CHARLES A DEAN HOSPITAL	4
DOWN EAST COMMUNITY HOSPITAL	19
EASTERN MAINE MEDICAL CENTER	276
FRANKLIN MEMORIAL HOSPITAL	53
HOULTON REGIONAL HOSPITAL	28
INLAND HOSPITAL	29
LINCOLN COUNTY HEALTH - MILES CAMPUS	20
MAINE COAST HOSPITAL	16
MAINE COAST MEMORIAL HOSPITAL	1
MAINE GENERAL MEDICAL CENTER - ALFOND CENTER FOR HEALTH	129
MAINE GENERAL MEDICAL CENTER - THAYER CENTER FOR HEALTH	68
MAINE MEDICAL CENTER	620
MAYO REGIONAL HOSPITAL	29
MERCY HOSPITAL	18
MID COAST HOSPITAL	80
MILLINOCKET REGIONAL HOSPITAL	9
MOUNT DESERT ISLAND HOSPITAL	3
NORTHERN MAINE MEDICAL CENTER	43
OTHER HEALTHCARE FACILITY, INSTITUTION OR LOCATION	49
PEN BAY MEDICAL CENTER	44
PENOBSCOT VALLEY HOSPITAL	7
REDINGTON FAIRVIEW GENERAL HOSPITAL	75
RUMFORD HOSPITAL	29
SAINT MARYS REGIONAL MEDICAL CENTER	120
SEBASTICOOK VALLEY HOSPITAL	19
SMHC - BIDDEFORD MEDICAL CENTER	83
SMHC - SANFORD MEDICAL CENTER	24
SPRING HARBOR HOSPITAL	101
ST JOSEPH HOSPITAL	26
STEPHENS MEMORIAL HOSPITAL	68
WALDO COUNTY GENERAL HOSPITAL	35
YORK HOSPITAL	9
(blank)	156
Grand Total	2730

Responses by Maine EMS Services, Q1 2019

	Busiest, Quarter 1 2019				
	Service	Responses			
1	Northeast Mobile Health Services	256			
2	United Ambulance Service	247			
3	Delta Ambulance	239			
4	Northern Light Medical Transport	193			
5	NorthStar	129			
6	MEDCU	121			
7	PACE Paramedic Service	92			
8	Bangor Fire Department	81			
9	Mayo Regional Hospital EMS	69			
10	Redington Fairview EMS	68			



All Responses By Service and Month

Service	Janaury	February	March	TOTAL
Acton Fire - Rescue	0	1	1	2
Albion Fire - Rescue	0	1	1	2
Alfred Rescue Squad	1	2	1	4
Ambulance Service Inc	8	4	7	19
Andover Fire Dept	1	0	0	1
Anson Madison Starks Ambulance Service	14	7	16	37
Arundel Fire - Rescue	5	3	0	8
Ashland Ambulance Service	0	1	0	1
Auburn Fire Department	15	19	23	57
Augusta Fire Department	15	14	21	50
Bangor Fire Department	27	26	28	81
Bar Harbor Fire Dept	4	0	2	6
Bates EMS	1	2	4	7
Bath Fire Department	6	9	5	20
Belfast Ambulance & Rescue Service	13	13	12	38
Belgrade Fire Department	0	1	1	2
Berwick Fire Department	4	1	1	6
Bethel Ambulance Service	5	5	2	12
Biddeford Ambulance Service	22	19	26	67
Boothbay Region Ambulance	5	1	3	9
Bowdoin First Responders	1	0	0	1
Bowdoinham Fire & Rescue	0	0	2	2

Service	Janaury	February	March	TOTAL
Bremen Rescue First Responders	1	0	0	1
Bristol Fire and Rescue	1	0	1	2
Brooks Ambulance Inc.	3	2	2	7
Brunswick Fire Department EMS	9	13	9	31
Buckfield Rescue Dept.	2	3	5	10
Bucksport Fire Department	4	5	5	14
Buxton Fire & Rescue	8	3	6	17
Calais Fire-EMS	3	5	7	15
Canaan Municipal Fire & Rescue	1	0	0	1
Cape Elizabeth Fire Rescue	4	2	6	12
Caribou Fire - Ambulance	13	12	10	35
Carmel Fire & Rescue	2	0	1	3
Casco Fire & Rescue	1	1	2	4
Castine Fire and Rescue	2	0	0	2
Central Lincoln County Ambulance	16	6	8	30
Charles A Dean Ambulance Service	1	4	1	6
Chebeague Island Rescue	1	0	0	1
Cherryfield Ambulance Service	1	0	1	2
China Rescue Squad	3	4	2	9
Clinton Fire Dept Ambulance Service	1	1	2	4
Crown Ambulance	12	16	9	37
Cumberland Fire Department	4	5	2	11
Cushing Rescue Squad	1	0	0	1
Dedham Fire Department	0	1	0	1
Delta Ambulance	73	80	86	239
Denny River Volunteer Fire & Ambulance	2	1	0	3
Dixmont Fire Rescue	0	0	1	1
Durham Fire & Rescue	3	0	3	6
East Millinocket/Lincoln Ambulance	5	5	16	26
Eastern Maine Community College	0	0	2	2
Eddington Fire Dept	1	1	0	2
Edgecomb Fire Department	1	1	0	2
Etna Volunteer Fire and Rescue	1	0	0	1
Fairfield Fire Rescue	10	11	11	32
Falmouth Fire - EMS	4	3	7	14
Freeport Fire Department	5	9	8	22
Fryeburg Rescue	4	5	10	19
G & H Ambulance Service	11	9	8	28
Gardiner Fire & Ambulance Department	6	12	10	28
Gorham Fire Department	17	9	9	35
Gouldsboro Fire Department	0	1	0	1
Gray Fire - Rescue	5	3	1	9

Service	Janaury	February	March	TOTAL
Greenbush Fire Dept	2	0	3	5
Hampden Fire Department	1	4	4	9
Hancock Vol Fire Department	1	1	0	2
Harmony Regional Ambulance Service	0	1	2	3
Harpswell Neck Fire & Rescue	1	1	0	2
Harrison Fire - Rescue First Responder Service	0	1	0	1
Hermon Fire Department	2	0	2	4
Hermon Volunteer Rescue	5	8	4	17
Holden Fire Rescue	0	0	1	1
Hollis Fire - Rescue	3	4	3	10
Houlton Ambulance Service	8	4	13	25
Howland Fire & EMS	8	2	7	17
Hudson Fire Department	0	1	0	1
Industry Fire Department	3	0	0	3
Island Falls Ambulance Service	1	0	0	1
Islesboro Ambulance Service	0	2	0	2
Jackman-Moose River Fire & Rescue Department	3	0	1	4
Jefferson Fire and Rescue	0	0	1	1
Kennebunk Fire Rescue	7	7	6	20
Lebanon Fire-EMS	0	5	6	11
Levant Fire Department	2	2	0	4
Liberty Volunteer Ambulance Service	2	2	0	4
Limerick Rescue	4	4	1	9
Limington Fire and EMS	0	5	2	7
Lisbon Emergency Inc.	19	7	4	30
Litchfield Fire & Rescue	0	1	0	1
Machias Ambulance Service	3	1	2	6
Madawaska Ambulance Service	6	1	1	8
Maine Medical Center	20	25	20	65
Mayo Regional Hospital EMS	22	26	21	69
Med-Care Ambulance Service	24	11	8	43
MEDCU	40	34	47	121
Memorial Ambulance Corps	1	0	1	2
Mid Coast Hospital Interceptor	1	1	0	2
Milford Fire Department	1	0	0	1
Millinocket Fire Department Ambulance Service	3	0	2	5
Minot Fire Department	1	0	0	1
Moosabec Ambulance	3	1	1	5
Mount Vernon Rescue	0	0	2	2
Naples Fire Department	0	0	4	4
New Gloucester Fire & Rescue	3	2	1	6
New Sharon Fire Rescue	1	0	0	1

Service	Janaury	February	March	TOTAL
Newburgh Rescue	1	0	0	1
Newport Fire Department	0	1	3	4
Nobleboro First Responders	1	0	0	1
North Berwick Rescue Squad Inc	2	2	2	6
North Yarmouth Fire Rescue	2	0	0	2
Northeast Harbor Ambulance Service, Inc.	0	0	1	1
Northeast Mobile Health Services	96	77	83	256
Northern Light Medical Transport	74	63	56	193
Northport First Responders	0	0	1	1
NorthStar	46	35	48	129
Oakland Fire - Rescue	1	3	2	6
Old Orchard Beach EMS	7	2	8	17
Old Town Fire Dept	14	7	12	33
Orono Fire - Rescue	4	7	7	18
Orrington Fire Dept.	0	0	3	3
Oxford Fire Rescue	2	0	1	3
PACE Paramedic Service	28	30	34	92
Passamaquoddy Fire & Rescue	3	2	4	9
Patten Ambulance Service	3	2	6	11
Peninsula Ambulance Corps	11	1	2	14
Petit Manan Ambulance	1	0	1	2
Pleasant River Ambulance Service	0	3	3	6
Plymouth Fire Department	0	0	1	1
Poland Fire Rescue	3	4	5	12
Presque Isle Fire Department	8	6	4	18
Raymond Rescue	3	4	2	9
Redington Fairview EMS	23	18	27	68
Richmond Fire Department	0	0	2	2
Rockland Fire & EMS	8	5	4	17
Rockwood Fire - EMS	1	0	0	1
Rome Fire & Rescue	0	1	0	1
Sabattus Fire Rescue	1	1	0	2
Saco Fire Department	13	9	13	35
Sacopee Rescue Inc	6	5	9	20
Sanford Fire Dept Ambulance Service	12	7	8	27
Scarborough Fire Department	12	10	7	29
Searsport Ambulance Service	4	1	4	9
Sebago EMS	1	3	1	5
Sebasticook Valley Hospital Ambulance	7	5	8	20
Shapleigh Rescue Squad	0	0	2	2
Sidney Rescue	0	0	1	1
Sipayik Ambulance Corps	4	2	5	11

Service	Janaury	February	March	TOTAL
Skowhegan Fire Department	0	1	0	1
South Portland Fire Rescue	13	13	16	42
South Thomaston Ambulance Service	1	1	0	2
Southwest Harbor / Tremont Ambulance Service Inc	1	1	1	3
St George Ambulance	2	1	0	3
Standish Fire - EMS	14	2	10	26
Stetson Fire Rescue	0	1	0	1
Stewart's Ambulance	0	0	11	11
Stockton Springs Ambulance Service	2	2	0	4
Stoneham Rescue Service	0	1	0	1
Thomaston Ambulance	2	2	1	5
Three Rivers Ambulance Service	3	5	4	12
Topsham Fire - EMS	7	6	3	16
Town of Lisbon Fire Service	1	0	1	2
Town of Lyman DBA / Goodwins Mills Fire-Rescue	7	3	1	11
Turner Rescue	6	4	7	17
Union Ambulance Service	1	0	2	3
United Ambulance Service	75	87	85	247
Unity Volunteer Ambulance Corps	5	3	5	13
University of New England	0	2	0	2
University Volunteer Ambulance Corps	4	14	9	27
Upper Kennebec Valley Ambulance	2	0	2	4
Van Buren Ambulance Service	1	2	4	7
Vassalboro First Responders	3	4	2	9
Veazie Fire Department	0	1	0	1
Vinalhaven Ambulance	1	1	1	3
Waldoboro Emergency Medical Services	4	7	8	19
Wales Rescue	0	1	2	3
Warren Rescue	2	1	3	6
Waterboro Fire Dept Rescue	4	5	6	15
Waterville Fire Department	8	10	10	28
WCEMSA dba Downeast EMS	10	7	6	23
Wells Emergency Medical Services	2	4	12	18
Wells Fire Department Rescue	0	0	1	1
Westbrook Fire Rescue	10	15	19	44
Westport Volunteer Fire Dept First Responders	0	1	0	1
Whitefield Fire Department Rescue	1	0	3	4
Windham Fire Rescue	6	7	14	27
Windsor Fire & Rescue	1	0	0	1
Winslow Fire Department Rescue	1	3	4	8
Winterport Volunteer Ambulance Service	4	5	5	14
Winthrop Ambulance Service	9	10	7	26

Service	Janaury	February	March	TOTAL
Wiscasset Ambulance Service	11	3	2	16
Woolwich Fire Department	1	1	2	4
Yarmouth Fire Rescue	6	8	10	24
York Ambulance Association Inc	13	8	12	33
York Beach Volunteer Fire Department	1	0	0	1
Grand Total	1237	1095	1248	3580

-End of Report-

This project is supported by the Health Resources and Services Administration (HRSA), Maternal and Child Health Bureau (MCHB), Emergency Medical Services for Children (EMSC) State Partnership grant program, Grant # H33MC31622. This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government.