

Kentucky Board of Emergency Medical Services



Community Paramedic Pilot Program: Year 5

The participating EMS services include: Boyd County Ambulance Service, Lexington Fire Dept. Ambulance Service, Louisville-Jefferson Co. Metro Gov., Montgomery Co. Ambulance Service, Murray Calloway Co. EMS, Oldham Co. EMS & The Medical Center EMS. This report contains the findings of the MIH/CP Year 5 Pilot Program (June 1, 2020 - May 31, 2021).

Due to COVID-19, pilot agencies altered their MIH/CP programs, reducing the number of providers who made visits. The below table displays the four (4) quarters for the program's year five (5) data and the number of providers that made visits for each agency.

	Q1 6/1/20 - 8/31/20	Q2 9/1/20 - 11/30/20	Q3 12/1/20 - 2/28/21	Q4 3/1/21 - 5/31/21
Boyd County Ambulance Service - NU&RA	0	0	0	0
Lexington Fire Dept. Ambulance Service - NU&RA	2	2	2	2
Louisville-Jefferson Co. Metro Gov. - NU	0	1	1	1
Montgomery Co. Ambulance Service - NU&RA	0	0	0	0
Murray Calloway Co. EMS - RA	0	1	0	0
Oldham Co. EMS - RA	0	0	0	0
The Medical Center EMS - RA	0	2	2	2

13

Providers Trained

(67.5% Decrease from Year 4)

370

EMS Transports
Prevented

366

ED Visits
Prevented

34

Hospital
Readmissions
Prevented

18

Providers Made Visits

(70.5% Decrease from Year 4)

825

Patient Encounters

(53.2% Decrease from Year 4)

531

Initial Encounters

(32.3% Decrease from Year 4)

294

Repeat Encounters

(70% Decrease from Year 4)

Average Cost

ALS/BLS
Encounter

\$340

MIH/CP
Encounter

\$186

-\$154

0 50 100 150 200 250 300 350

Pilot Program Objectives

1. **Non-Urgent, Non-Scheduled (NU)**- primary focus is to correctly navigate low acuity patients away from urgent resource utilization.
2. **Re-Admission (Follow-Up) (RA)**- Primary focus is to continue care for an acute event to prevent unnecessary readmission back to inpatient facilities.

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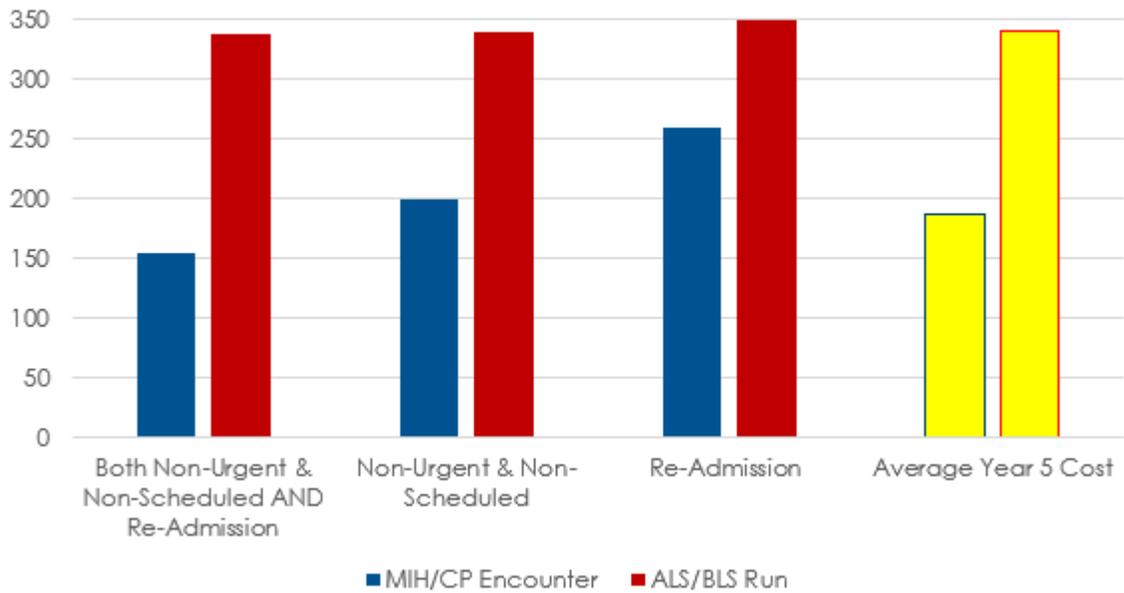
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Reason For Service			
	Both Non-Urgent & Non-Scheduled AND Re-Admission (Follow-Up)	Non-Urgent & Non-Scheduled	Re-Admission (Follow-Up)
Abdominal Pain/Problems	3 (1%)	6 (2.3%)	0
Air Medical Transport	0	0	0
Allergic Reaction/Stings	0	0	0
Animal Bite	0	1 (.4%)	0
Assault	0	0	0
Automated Crash Notification	0	0	0
Back Pain (Non-Traumatic)	6 (2.1%)	2 (.8%)	0
Breathing Problem	17 (5.9%)	1 (.4%)	0
Burns/Explosion	0	0	0
Carbon Monoxide/Hazmat/Inhalation	0	0	0
Cardiac Arrest/Death	0	77 (30.1%)	0
Chest Pain (Non-Traumatic)	15 (5.2%)	0	0
Choking	0	0	0
Convulsions/Seizure	0	2 (.8%)	0
Diabetic Problem	8 (2.8%)	0	0
Drowning/Diving/SCUBA	0	0	0
Electrocution	0	0	0
Eye Problem/Injury	0	0	0
Falls	15 (5.2%)	81 (31.6%)	0
Fire	0	0	0
Headache	0	0	0
Healthcare Professional/Admission	0	0	17 (34.6%)
Heart Problems/AICD	0	0	32 (65.3%)
Heat/Cold Exposure	0	0	0
Hemorrhage/Laceration	0	1 (.4%)	0
Industrial Accident/Inaccessible Incident	0	0	0
Medical Alarm	0	12 (4.7%)	0
No Other Appropriate Choice	5 (1.7%)	1 (.4%)	0
Overdose/Poisoning	154 (53.5%)	0	0
Pandemic	0	0	0
Pregnancy/Childbirth	0	0	0
Psychiatric Problem/Abnormal Behavior	11 (3.8%)	0	0
Sick Person	20 (6.9%)	56 (21.9%)	0
Stab/Gunshot Wound/Penetrating	0	0	0
Standby	0	0	0
Stroke/CVA	0	1 (.4%)	0
Traffic/Transportation Incident	3 (1%)	2 (.8%)	0
Transfer/Interfacility/Palliative Care	0	0	0
Traumatic Injury	6 (2.1%)	12 (4.7%)	0
Unconscious/Fainting/Near-Fainting	3 (1%)	0	0
Unknown Problem/Person Down	0	1 (.4%)	0
Well Person Check	22 (7.6%)	0	0
Total	288	256	49

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Average Cost by Pilot Objective



	MIH/CP Encounter	ALS/BLS Encounter
Both Non-Urgent & Non-Scheduled AND Re-Admission	\$155.24	\$337.49
Non-Urgent & Non-Scheduled	\$200	\$340
Re-Admission	\$258.68	\$349.5
Average Year 5 Cost	\$186.99	\$340.6

Average Pilot Program Year 5 Cost Difference = \$153.61

Patient Encounter Times by Pilot Objective

