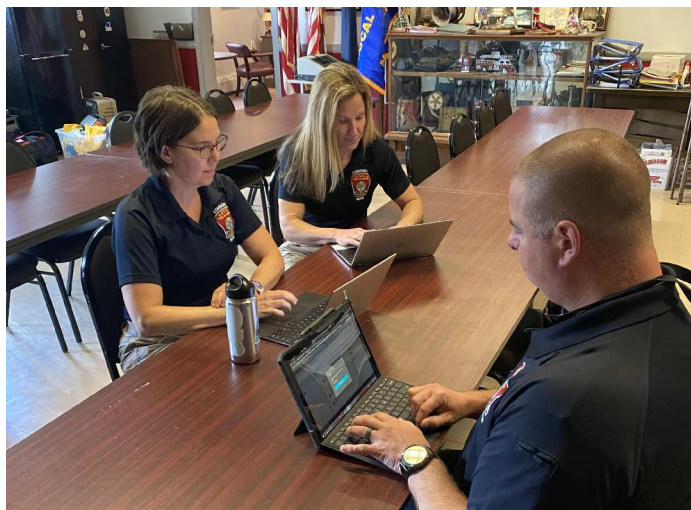
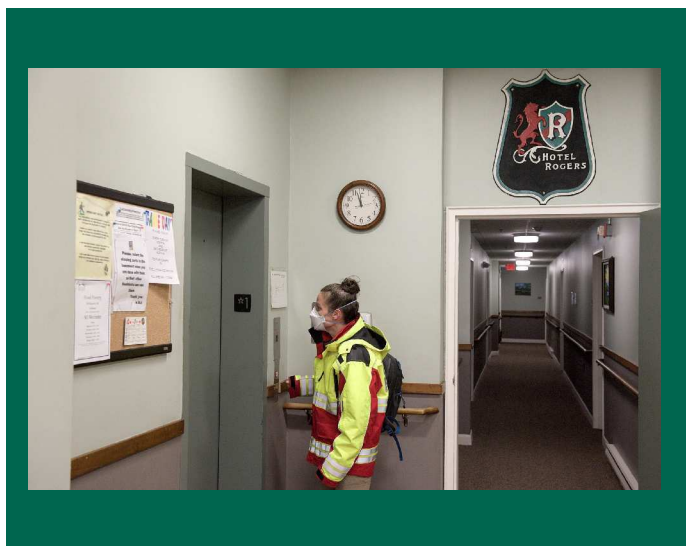


Mobile Integrated Health (MIH) January-June 2023 Semi-Annual Report

Program Overview

Lebanon Fire Department Mobile Integrated Health Program is a collaboration with Dartmouth Hitchcock Medical Center (DHMC), the Lebanon Fire Department and Lebanon Community Nurse programs.

This program operates under the medical direction and oversight of DHMC Emergency and Primary Care physicians, in collaboration with DHMC providers.



Lebanon Mobile Integrated Health Team: Jeremy Thibeault, Community Paramedic, Amanda, St. Ivany, Community Nurse and Rachael McMillan, Community Nurse

Year 3 (2023) Program Objectives

1. Increase number of patients served by community paramedic by 20% - by December 31, 2023
2. Increase number of referral sources to the community paramedic by 10% - by December 31, 2023
3. Present at 4 conferences or other New England educational events on the MIH Program- by December 31, 2023
4. Develop workflow in eDH for telehealth assistance referral - by June 30, 2023

2023 Project Team

Barbara Farnsworth, MS, Director Community Health Partnerships, DHMC
Cory Howarth, MSN, APRN, Heather Road, DHMC
Hilary Schuler, Community Health Partnership Coordinator, DHMC
Jeremy Thibeault, Firefighter/Paramedic, Lebanon Fire Department
Jim Wheatley, Chief at Lebanon Fire Department
Sally Kraft, MD, MPH, Vice President Population Health DH
Tom Trimarco, MD, Emergency Medicine, DHMC

Healthcare in the comfort of your home



The City of Lebanon has seen the incredible impact of Mobile integrated health on our community. The integration of community nursing has bolstered the effects of the MIH program and truly strengthened community health to our residents. As outlined in the city of Lebanon Strategic plan we have a vision to continue to strengthen the program and be good community partners. In an effort to extend our capabilities to provide nursing services to our neighboring communities and the greater Upper Valley the City of Lebanon has developed a plan to increase our nursing services to the Town of Enfield and Grantham. The Town of Grantham has committed to funding 15 hours of community nursing weekly beginning in January of 2024. The Town of Enfield is currently raising money through private donations to support 10 hours of community nursing weekly. The City of Lebanon will support the additional 15 hours weekly to make this position full time status.

-Chief Jim Wheatley, Lebanon Fire Department

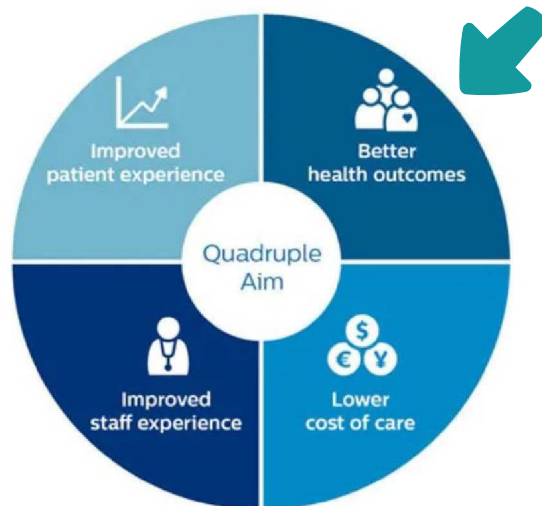
Lebanon Housing Authority Mobile Health Clinics

	Location	Total People Seen
LISTEN Community Services- 10 total		
	Food Pantry	1
	Cricket Mobile Event	9

Financial Budget:	
	CY2023
DHMC Pilot Fundng	204,008
Expenses	
LFD staff expense (wage and benefits)	193,508
Travel	1,500
Training & Equipment	5,000
Training	4,000
Total Expenses	204,008



Better Health Outcomes:



Metric: ED Visits Pre- Post-MIH Intake Directional Change of ED Visit Count Post Intake September 2021- June 2023

	Pre- Post-MIH Intake Time Horizon	
	3 Months	6 Months
# of Eligible MIH Episodes	64	51
# of ED Visits Pre-MIH Intake	39	51
# of ED Visits Post-MIH Intake	29	44
Directional Change (# of MIH Episodes)		
Fewer ED Visits Post-Intake	16	14
More ED Visits Post-Intake	12	12
Same Number of ED Visits Post-Intake	4	2
No ED Visits	32	23

Numerator: Number of patients enrolled in the MIH program who visited the ED during an MIH episode

Denominator: Total number of Lebanon residents (aged 50+) who visited DHMC/APD ED

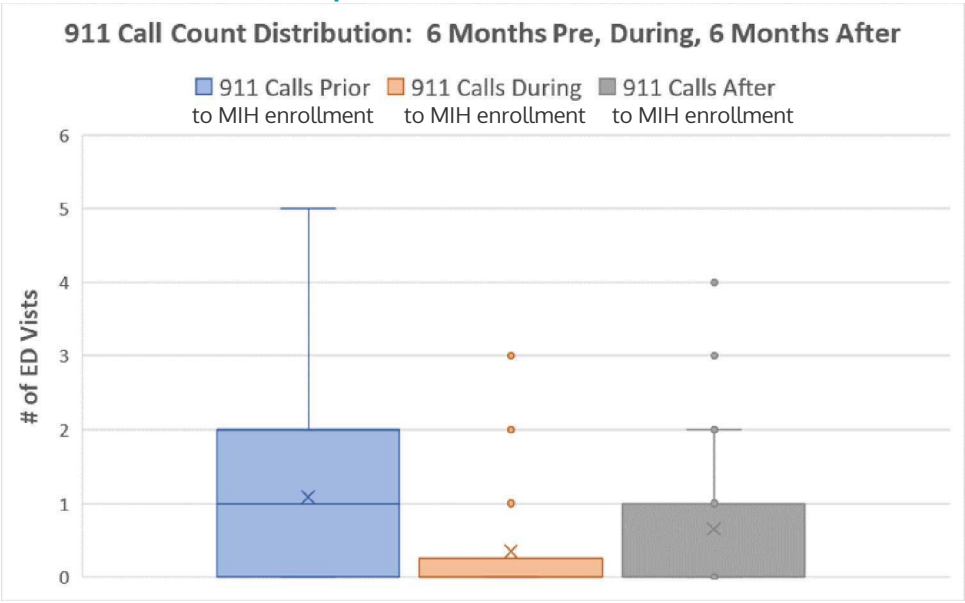
Time Period: Date of first MIH Episode Intake (9/8/2021) through June, 2023



Lower Cost of Care:



Metric: 911 Calls Pre- Post-MIH Episode
 Distribution of 911 Calls per Episode
 September 2021-June 2023



	911 Calls Prior to MIH Enrollment	911 Calls During MIH Enrollment	911 Calls After MIH Enrollment
Episode Count	46	46	46
911 Count	50	16	30
Max per Episode	5	3	4
Min per Episode	0	3	4
Mean	1.09	0.35	0.65
Median	1	0	0
Number with 1+911	25	11	18



Lower Cost of Care:



While post discharge referrals are frequent, this measures cases where the MIH visit was within 7 days of discharge. A goal for the upcoming years is to apply some focus to this area and attempt to reduce all cause readmissions.

An "index admission" is a term used to describe the first admission of a patient to a hospital with a principal diagnosis of a specified condition.

Metric: Inpatient (IP) Readmissions September 2021-June 2023

Index Discharge Year	Lebanon Residents			MIH Patients		
	Index Admits	IP Readmits	Readmit Rate	Index Admits	IP Readmits	Readmit Rate
2021	103	24	23.3%	0	0	
2022	310	57	18.4%	3	1	33.3%
2023	168	17	10.1%	0	0	
Total	581	98	16.9%	3	1	33.3%

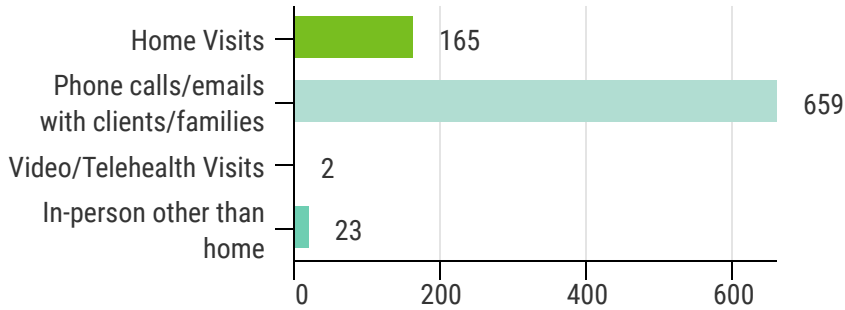


Note: Readmissions include IP admissions at any D-H system hospital on eDH (i.e. DHMC, APD, NLH and Cheshire Medical Center)



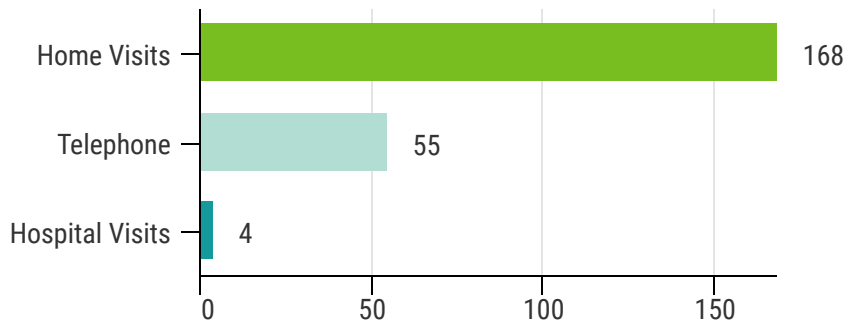
January-June 2023 Data

Community Nurse Encounter Types 1/1/23-6/30/2023



Community Nurse
1/1/2023-6/30/2023
Unique Patients- 24
Total Encounters- 895

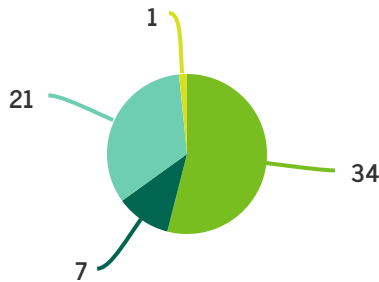
Community Paramedic Encounter Types 1/1/2023- 6/30/2023



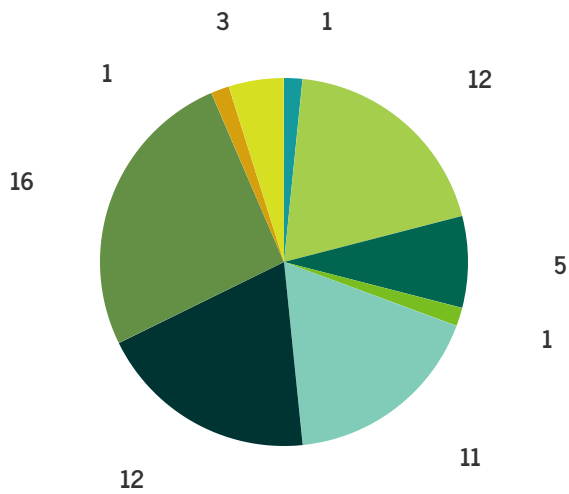
Community Paramedic
1/1/2023-6/30/2023
Unique Patients-42
Total Encounters- 245

Referrals by Department 1/1/2023-6/30/2023

Referrals by Facility 1/1/2023-6/30/2023



● Dartmouth Hitchcock Medical Center ● Heater Road
● Alice Peck Day ● New London Hospital



● Geriatric Surgery ● Geriatrics ● Hospital Medicine ● Cardiology ● Emergency
● Family Medicine ● General Internal Medicine ● Hem/Onc
● Comprehensive Wound Healing





CITY of LEBANON, NH

City Manager's Office
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Lebanon, NH 03766
(603) 448-4220
www.LebanonNH.gov

July 25, 2023

Dartmouth Health Leadership Team

RE: Mobile Integrated Healthcare

To Whom It May Concern:

The City is requesting three additional years of funding, totaling \$736,600, to sustain the Mobile Integrated Healthcare (MIH) program in the City of Lebanon.

The MIH Agreement, set to conclude in December 2023, has showcased remarkable results, attesting to the success of this initiative. As we look ahead to the future, we firmly believe that the continuation of the MIH program is essential to our commitment of providing effective mobile integrated healthcare to the residents of Lebanon. We have identified this objective as one of the key strategic goals in the City of Lebanon's Strategic Plan under Public Health. With your support, we aim to continue the MIH Program and build on it by expanding community nursing services, creating a healthier and more resilient community. The collaborative partnership between the City and Dartmouth Health demonstrates the positive results of the two entities working together to achieve common objectives.

The plans to expand the community nursing program into the Towns of Enfield and Grantham attest to the value of the program. The program has been successful in keeping patients out of the hospital or in some cases shortening the stay in the hospital. This enhances quality of life, demands on the healthcare system and of course cost.

Your positive response to this funding request would be greatly appreciated, as it will enable us to continue this valuable partnership for the benefit of our community. Please feel free to contact me if you require any additional information.

Thank you for your consideration.

Sincerely,

DocuSigned by:

AESC225904D9436...

Shaun Mulholland

City Manager

Shaun.mulholland@lebanonnh.gov

