

Quarterly Progress Update

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Executive Director

North Carolina Statewide Telepsychiatry Program (NC-STeP)

Professor and Chair Emeritus

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NC-STeP Advisory Council Meeting

Wednesday, March 1, 2023 10:30 am – 12:00 pm Virtual Meeting via Zoom Video Conference

Agenda

10:30- 10:40 a.m.	Welcome and Introductions
10:40- 10:45 a.m.	Review and Approval of December 14, 2022 Minutes
10:45- 11:45 a.m.	NC-STeP FY23-Q2 (Oct-Dec) Performance Data
11:45- 11:50 a.m.	Old Business
11:50- 11:55 a.m.	New Business
11:55- 12:00 p.m.	 Announcements NC-STeP Pediatric Program launch Vermont/ NC-STeP Collaboration NC-STeP Presentations at the Annual Meetings of ATA and APA MOTHERS Project update and presentation at the NC Rural Summit

12:00 p.m.

Adjourn

zoom

Join Zoom Meeting

https://us06web.zoom.us/j/86993351235?pw d=NXk0a0hSTGV3QTFmUFVJeVZybnN5Zz09

Meeting ID: 869 9335 1235

Passcode: 198610

NC-STeP Quality Management and Outcomes Monitoring Processes: October – December 2022

- 38 hospitals in the network, 37 hospitals were live
- 26 hospitals reporting Telepsychiatry patients in their ED
 - not all live hospitals had telepsychiatry patients
- Total number of assessments for this quarter = 1,214
- Total number of encounters for this quarter = 1,114
- Patient assessments billed for Model 1 hospitals = 812



NC-STeP Quality Management and Outcomes Monitoring Processes: October – December 2022

- The Median Length of Stay was 34.1 hours
- The Average Length of Stay was 62.9 hours
 - 61.9 hours for those discharged to home
 - 49.7 hours for those transferred to another facility
- Average Consult Elapsed Time (in Queue to Exam Complete) for Model 1 hospitals was 5 hours and 34 minutes.



NC-STeP Quality Management and Outcomes Monitoring Processes: October – December 2022

- 731 ED patients who received telepsychiatry services had an IVC in place during their ED stay.
 - 254 (34.7%) of those patients did not have an IVC in place when discharged.
- Of the ED patients who received telepsychiatry services:
 - 41.6% were discharged to home
 - 49.2% were discharged to another facility



NC-STeP Quality Management and Outcomes Monitoring Processes: October – December 2022

- 22 Community based sites were live as of 12/31/2022.
- There were 1,666 total behavioral health visits.
 - 215 visits with a Psychiatrist.
 - 1436 visits with a behavioral health manager.
 - 12 visits with a Maternal and Fetal Medicine
 Specialist.

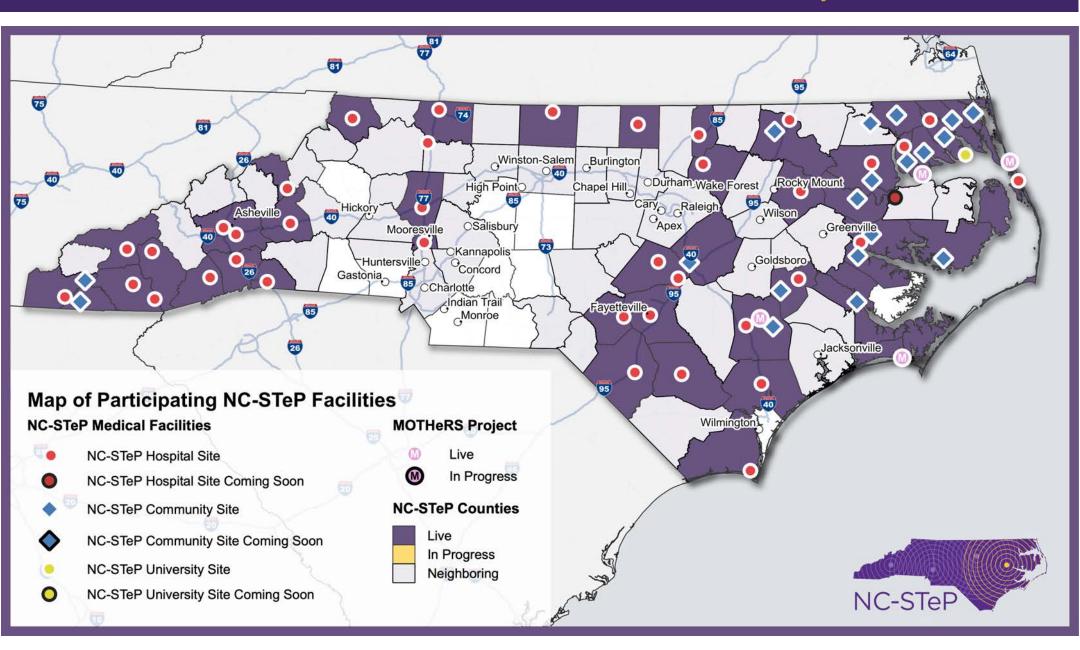


NC-STeP	Since project inception in November 2013	Quarter Jan- Mar 2022	Quarter Apr- Jun 2022	Quarter Jul- Sep 2022	Quarter Oct- Dec 2022
Total Patient Encounters	44,060	1,235	1,321	1,302	1,114
Model 1 Hospital Patient Encounters	26,993	797	869	891	712
Model 2 Hospital Patient Encounters	17,067	438	452	411	402
Total Number of Assessments (Billed Assessments for Model 1 Hospitals + Number of Patient Encounters for Model 2 Hospitals)	57,052	1,526	1,559	1,458	1,214

NC-STeP Benchmarks

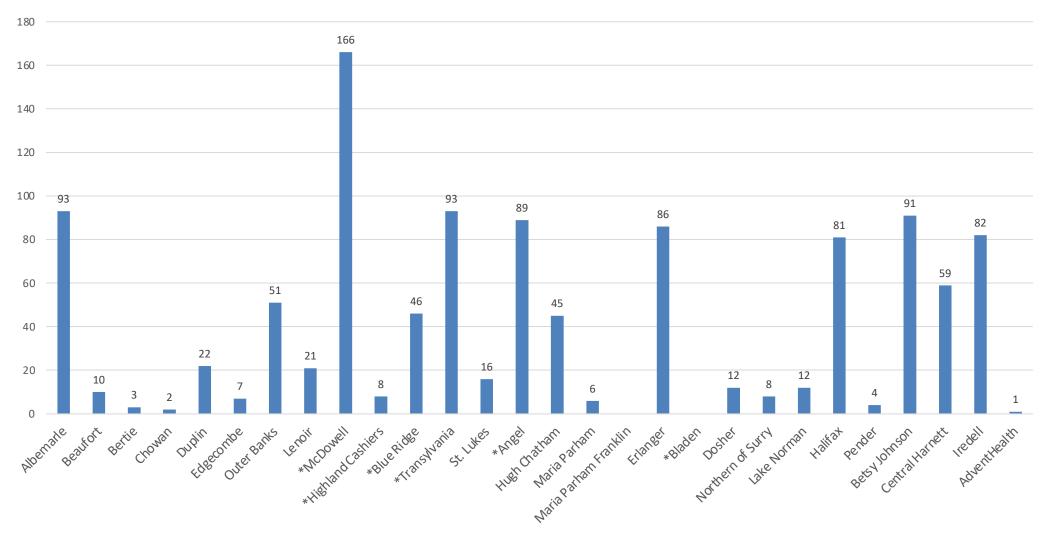
	Goals	Values Reached			
NC-STeP	Cumulative Target to be reached by (06/30/2023)	Value Reached as of most recent previous quarter (09/30/2022)	Value Reached as of this reporting quarter (12/31/2022)	Year-to-Date Total with % of the Yearly Target (12/31/2022)	
Number of IVCs	2,815	890	731	1,636 58% of Ye	
Number of IVCs Overturned	1,155	362	254	626 54% of Ye	
Total Number of Assessments (Billed assessments for Model 1 hospitals + Number of patient encounters for Model 2 hospitals.)	5,025	1,432	1,214	2,672 53% of Ye	

NC-STeP Status as of December 31, 2022



Number of NC-STeP Patients by Hospital

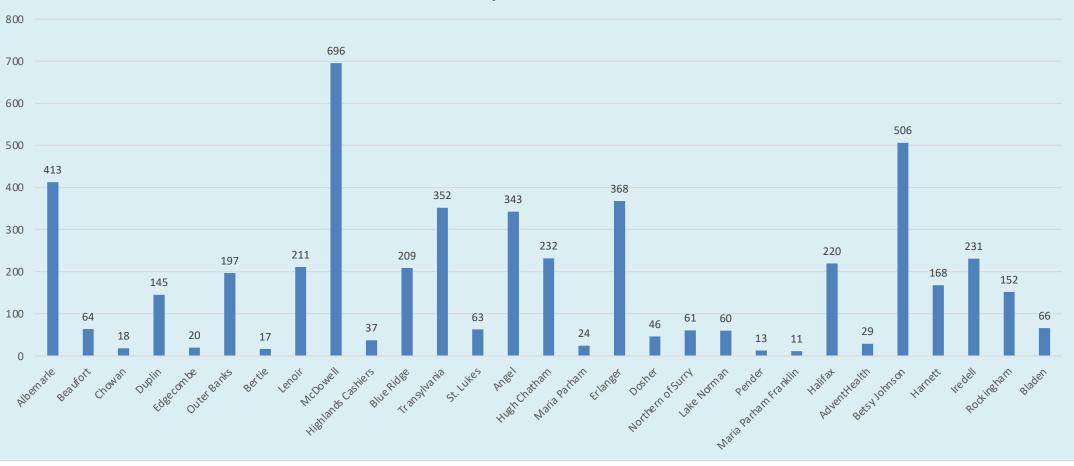
October - December 2022





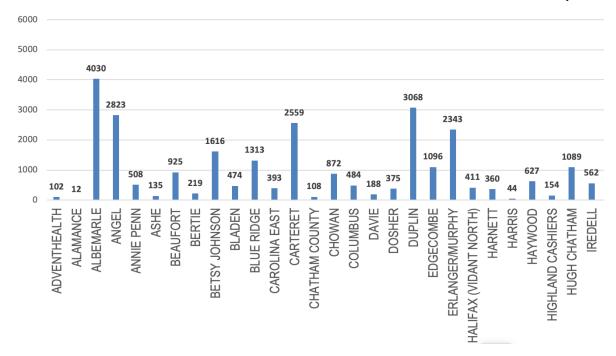


Number of NC-STeP Patients by Hospital January - December 2022

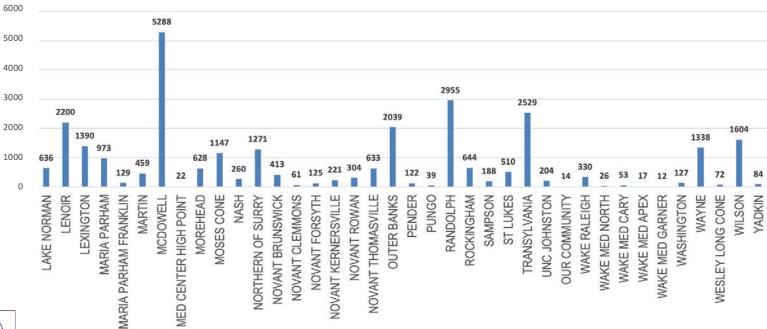








Number of NC-STeP Assessments by Hospital November 2013- December 31, 2022 (since project inception)

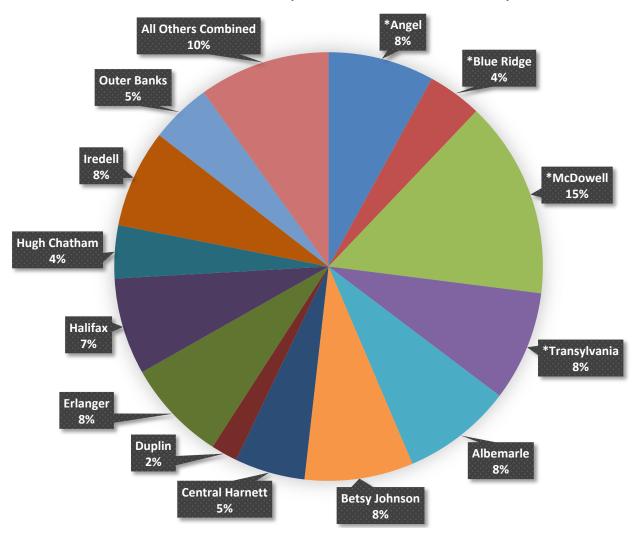






Percent of Use by Hospital Oct - Dec 2022

(based on number of encounters)



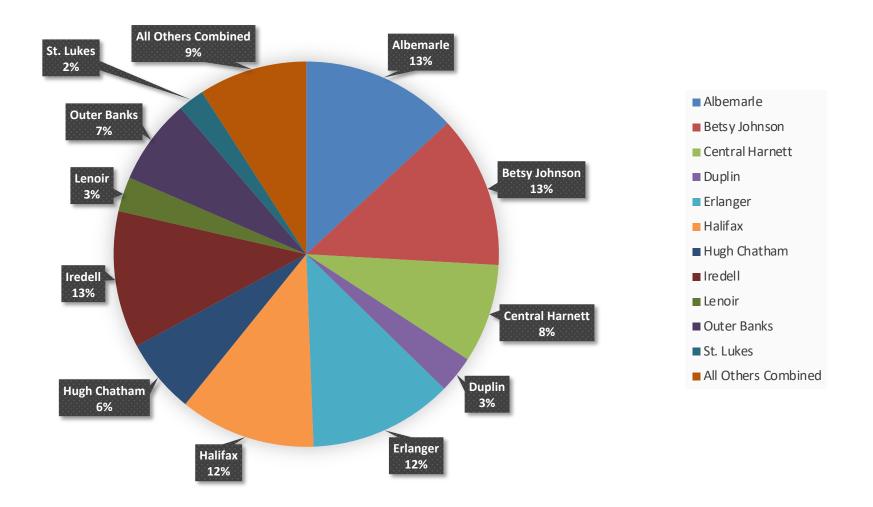






Percent of Use for Model 1 Hospitals Oct - Dec 2022

(based on number of encounters)

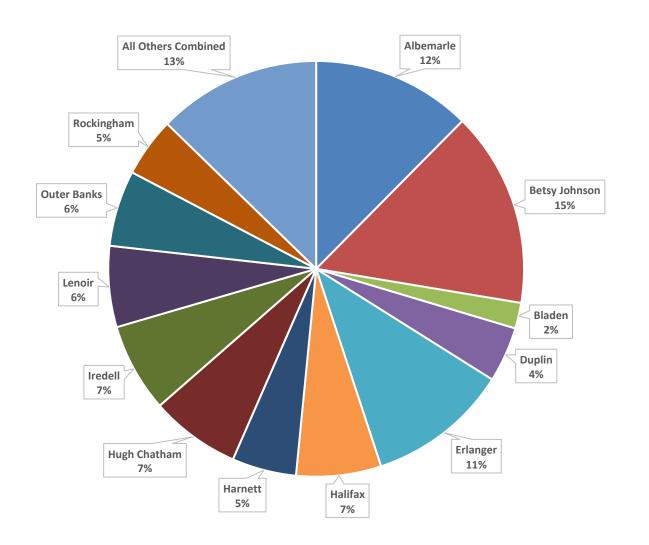






Percent of Use by Model 1 Hospital Jan - Dec 2022

(based on number of patient encounters)



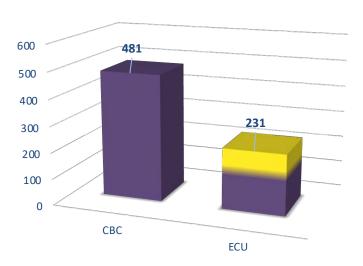
- Albemarle
- Betsy Johnson
- Bladen
- Duplin
- Erlanger
- Halifax
- Harnett
- Hugh Chatham
- Iredell
- Lenoir
- Outer Banks
- Rockingham
- All Others Combined



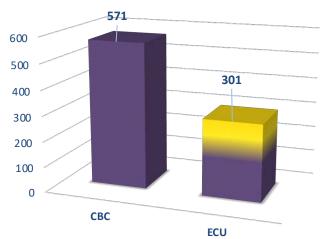


Number of Patients by Provider (Model 1)

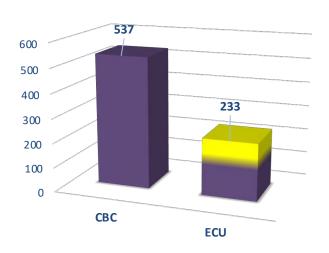
Oct-Dec 2022



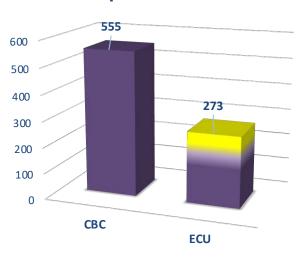
Jul-Sep 2022



Jan-Mar 2022



Apr-Jun 2022

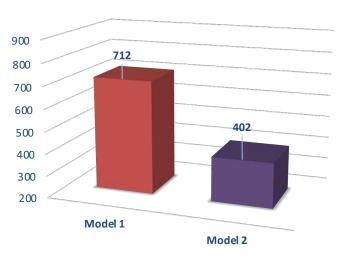




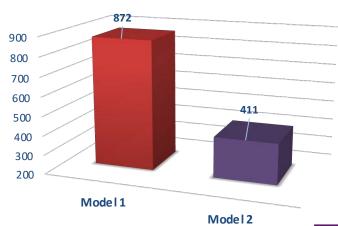


Number of Patients by Model

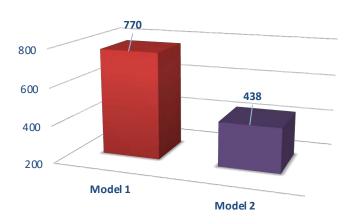
Oct-Dec 2022



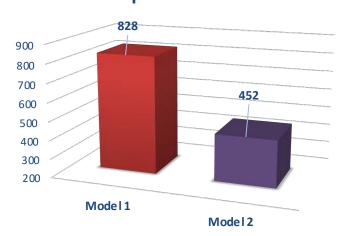
Jul-Sep 2022



Jan-Mar 2022



Apr-Jun 2022

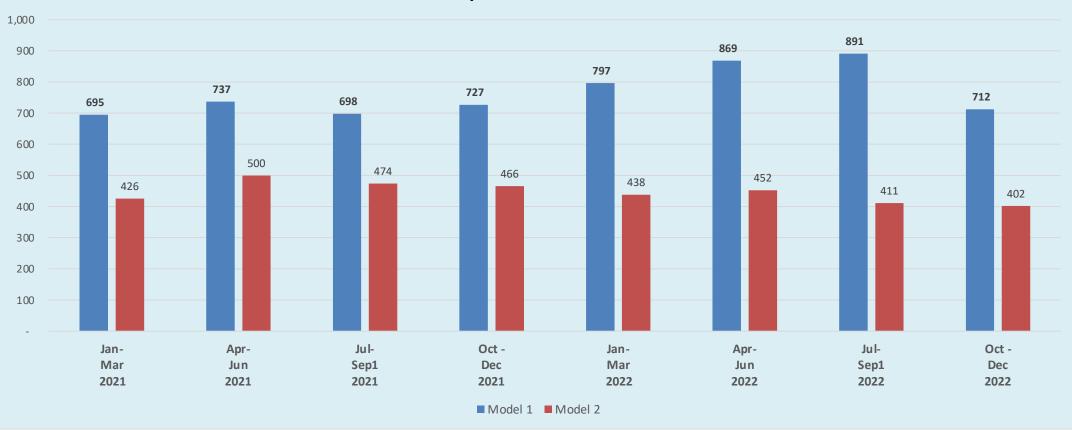






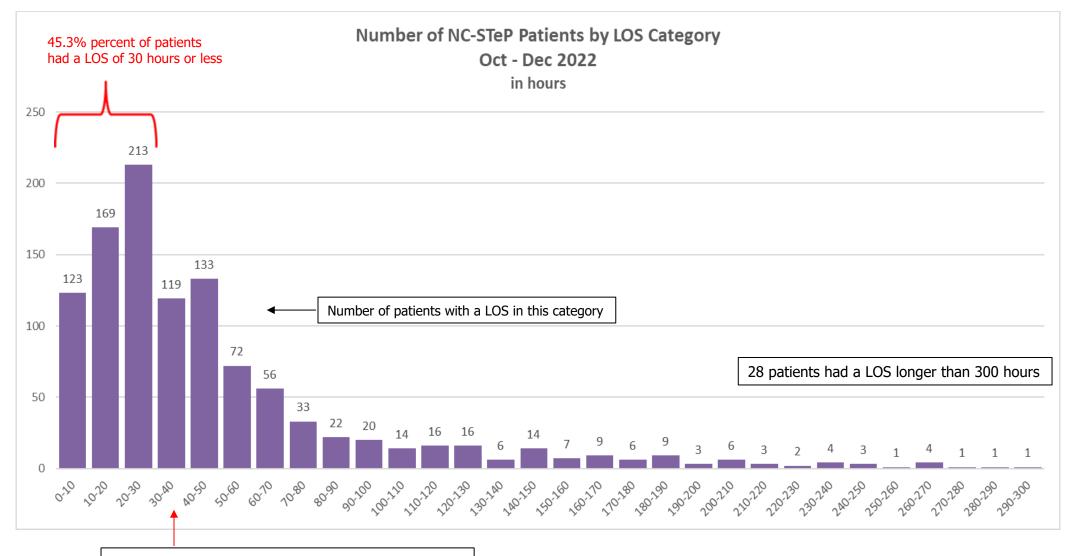
Number of NC-STeP Patients by Model by Quarter

January 2021 - December 2022





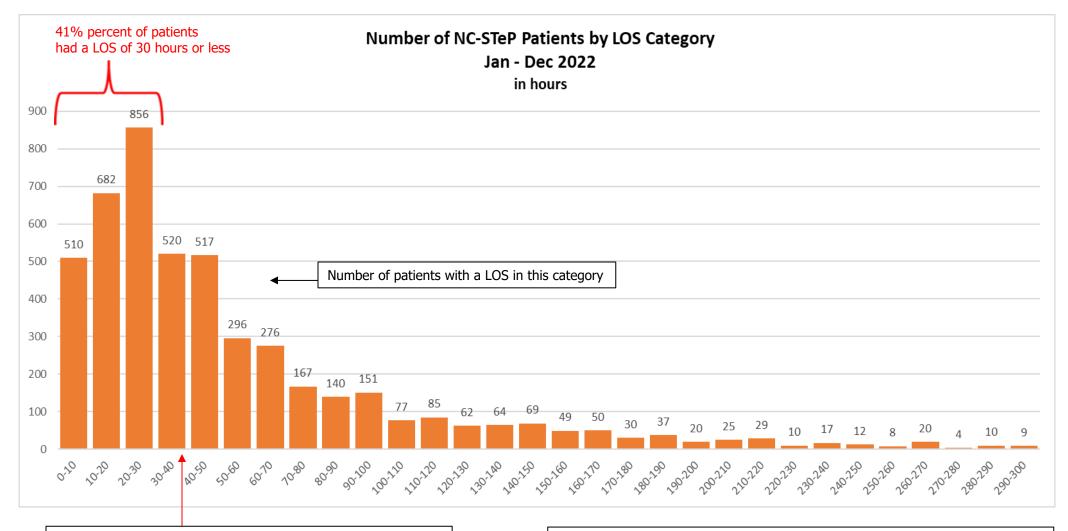










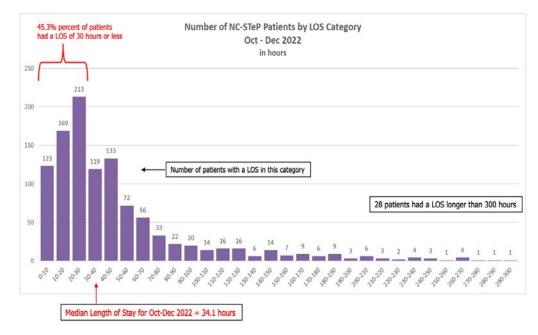


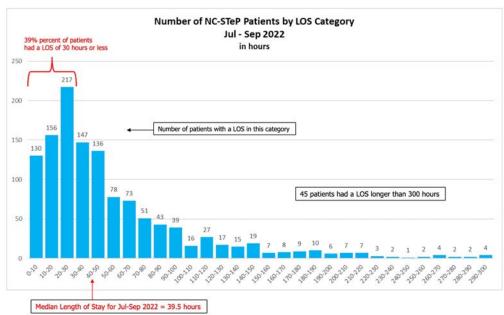
Median Length of Stay for Jan-Dec 2022 = 38.4 Hours

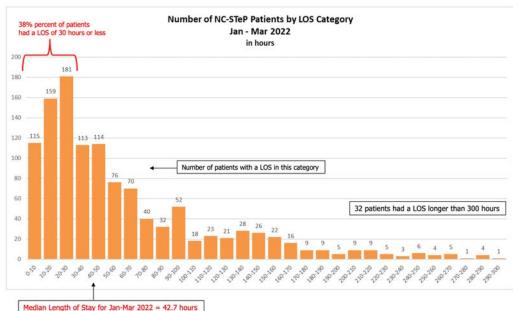
170 patients (3.4%) had a LOS longer than 300 hours over the 12 months

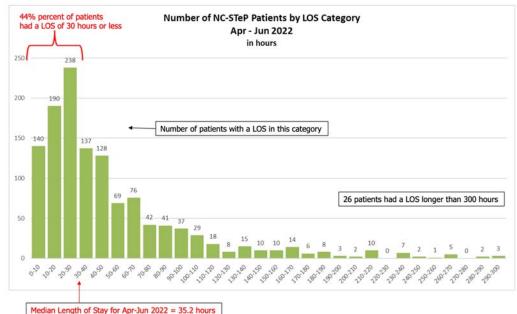










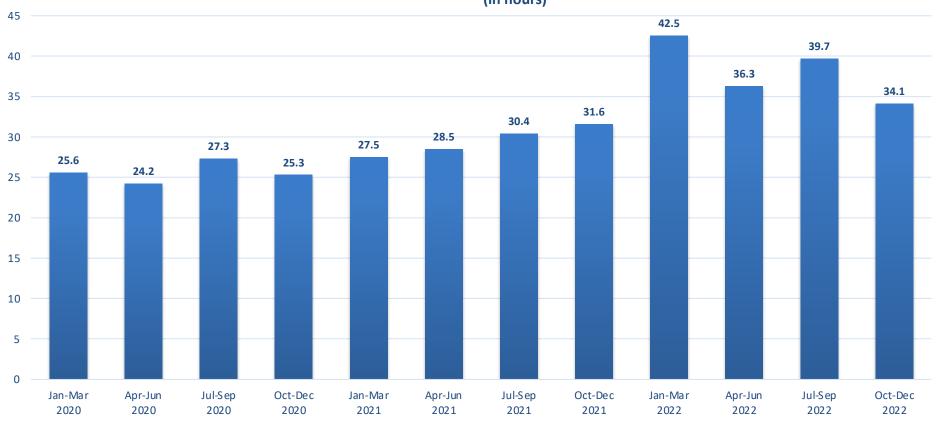






Median Length of Stay by Quarter

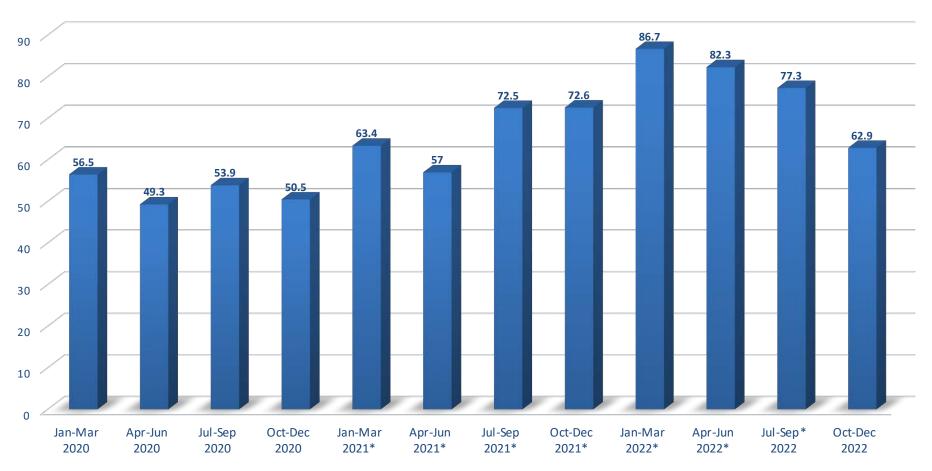
(in hours)







Average Length of Stay by Quarter for Hospitals Participating in NC-STeP (in hours)

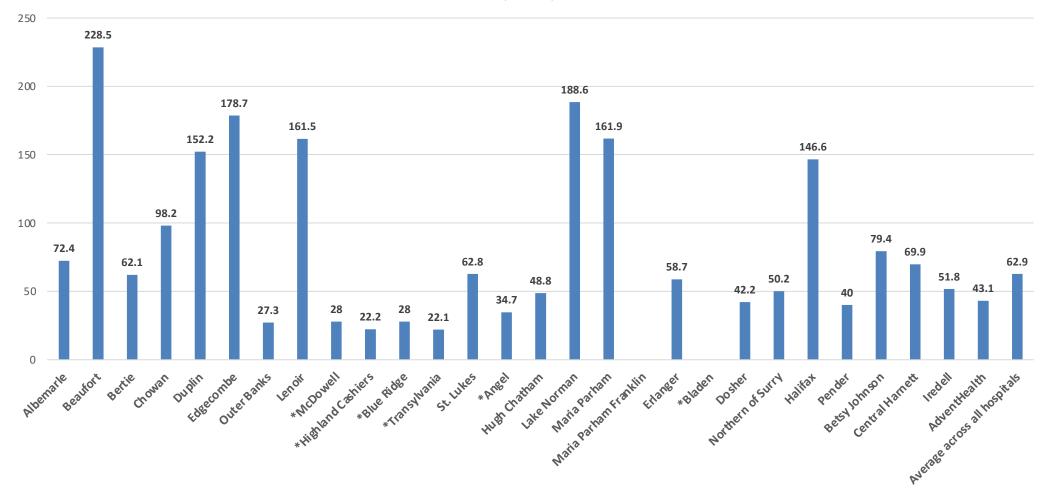






Average Length of Stay for NC-STeP Patients by Hospital October - December 2022

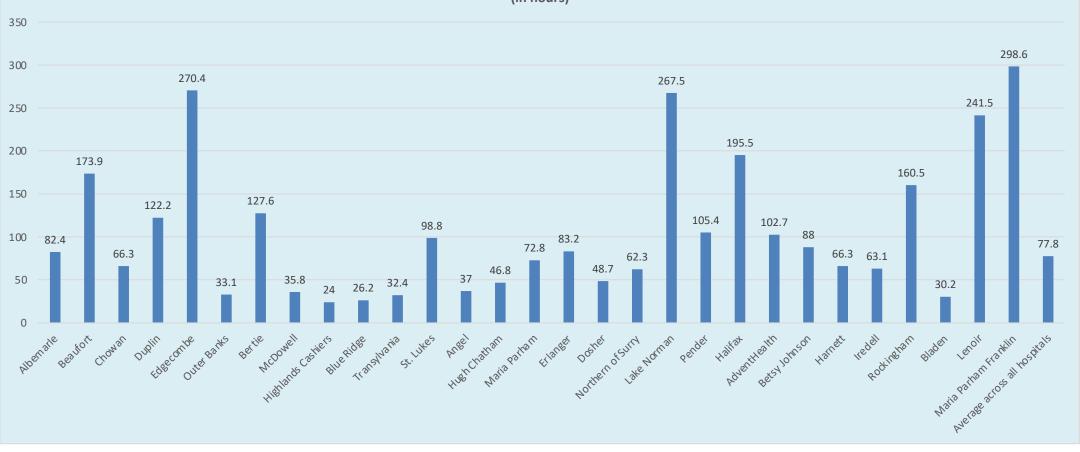
(in hours)







Average Length of Stay for NC-STeP Patient by Hospital January - December 2022 (in hours)

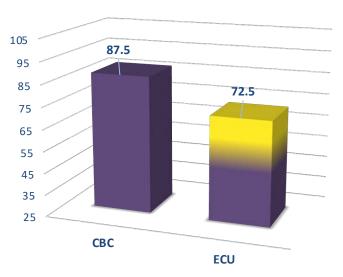




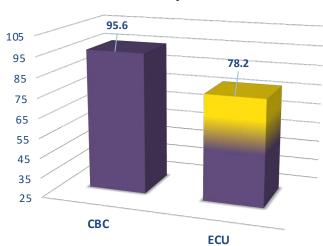


Average LOS by Provider (in hours)

Oct-Dec 2022



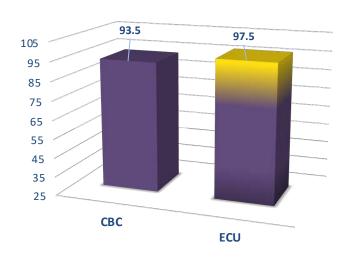
Jul-Sep 2022



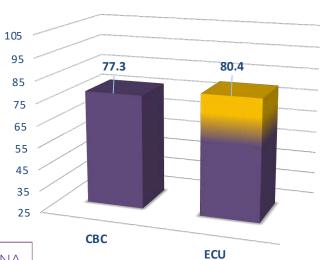
ECU BRODY SCHOOL OF MEDICINE



Jan-Mar 2022

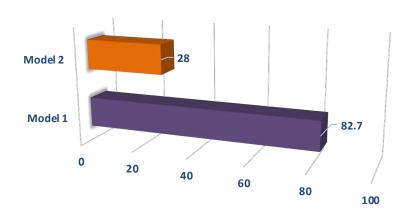


Apr-Jun 2022

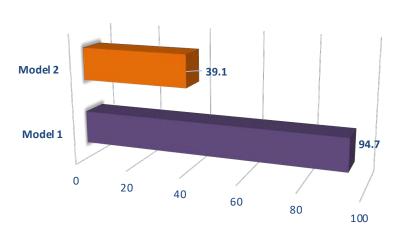


Average LOS by Model

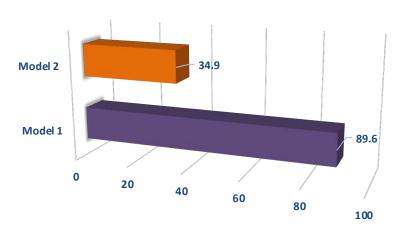
Oct-Dec 2022(in hours)



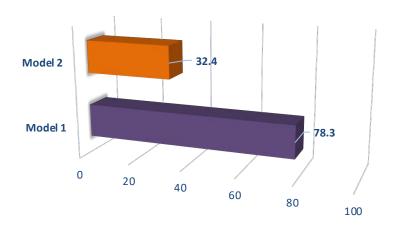
Jan-Mar 2022 (in hours)



Jul-Sep 2022 (in hours)



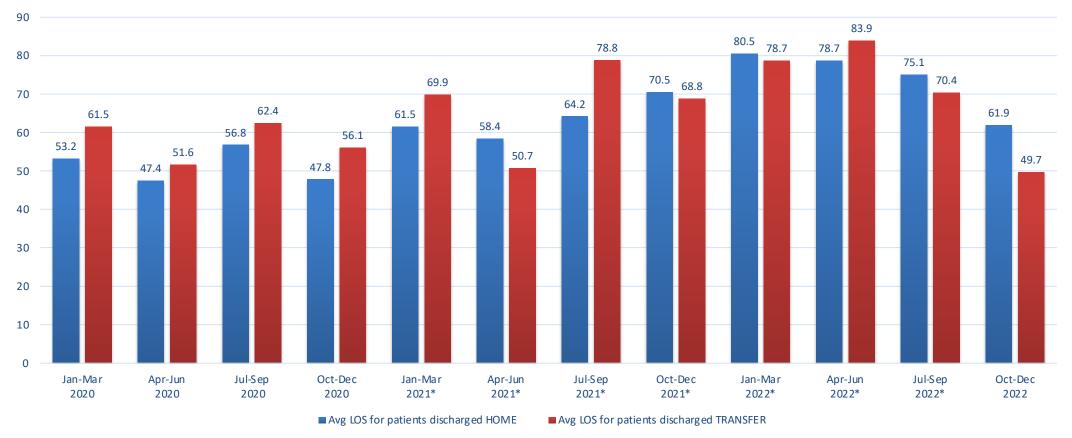
Apr-Jun 2022 (in hours)







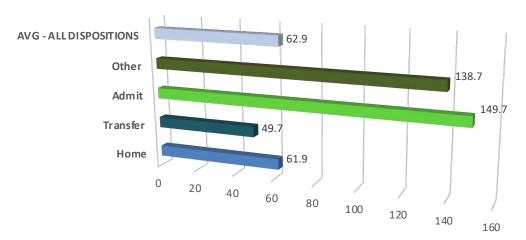
Average Length of Stay by Quarter for Patients Discharged to Home or Transfer (in hours)



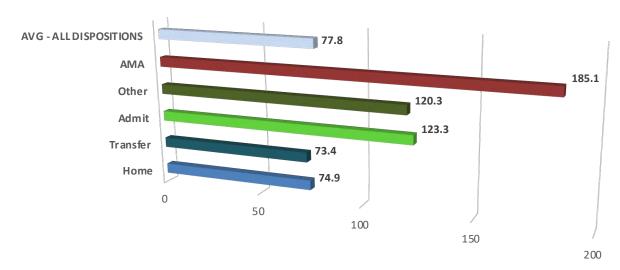




Oct-Dec 2022 (in hours)



Jan-Dec 2022 (in hours)



Average LOS by Discharge Disposition

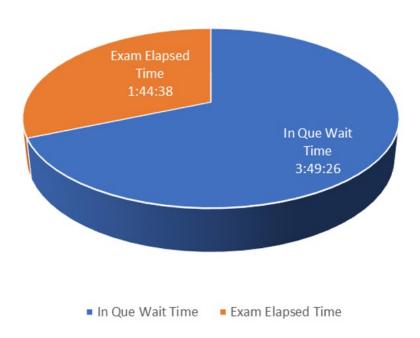




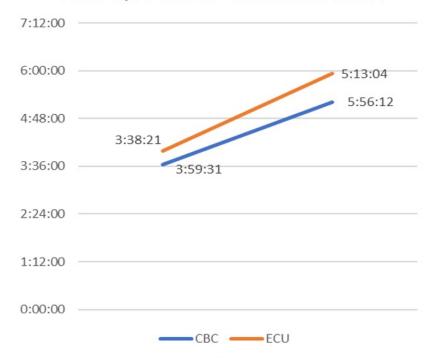
Consult Elapsed Time: October – December 2022

CBC & ECU

Average Consult Exam Elapsed Time
In Que to Exam Complete
FY23-Q2 Oct - Dec 2022



Comparison CBC & ECU Average Consult Elapsed Time In Que to Exam Complete FY23-Q2 October - December 2022

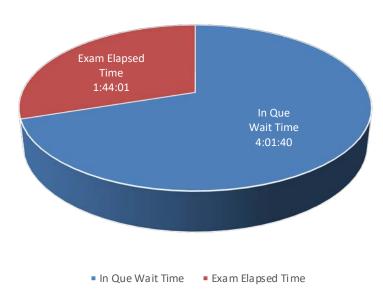




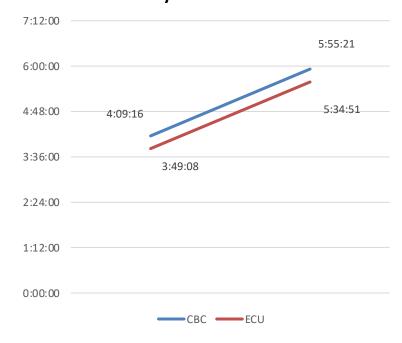


Consult Elapsed Time: January – December 2022

CBC & ECU
Average Consult Elapsed Time
In Que to Exam Complete
January - December 2022



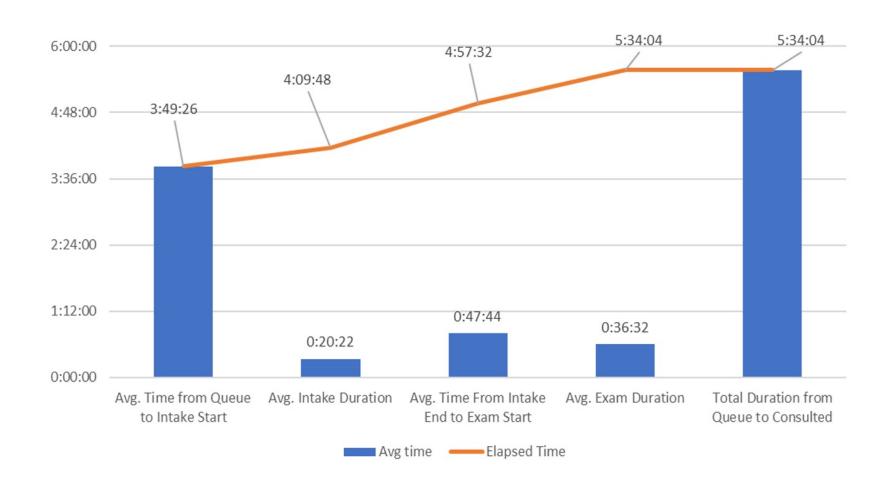
Comparison CBC & ECU Average Consult Elapsed Time In Que to Exam Complete January - December 2022







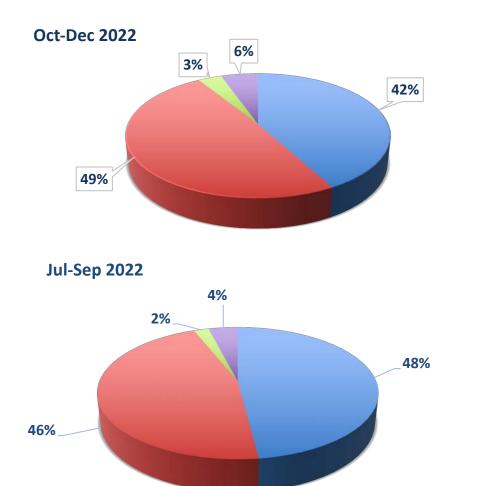
Key Processes and Elapsed Times Averages CBC and ECU: October – December 2022



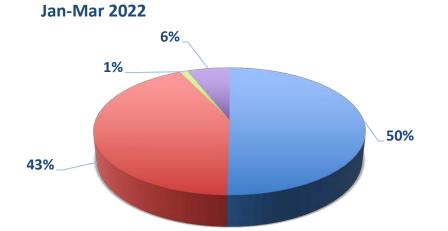


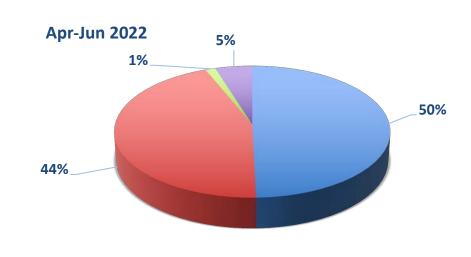


Percent of Patients by Discharge Disposition



■ Home ■ Transfer ■ Admit ■ Other



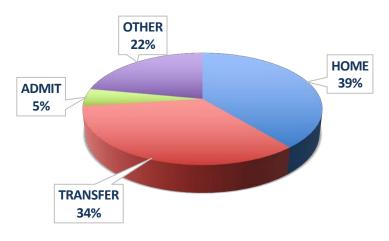




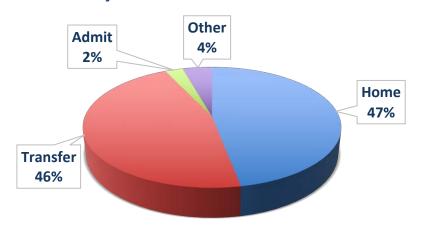


Percent of Patients by Discharge Disposition

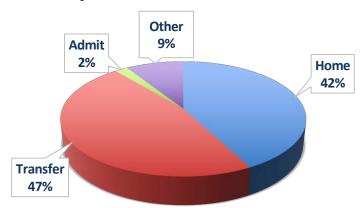
January - December 2019



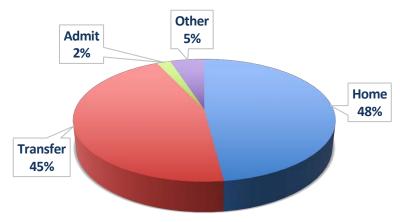
January - December 2021



January - December 2020



January - December 2022

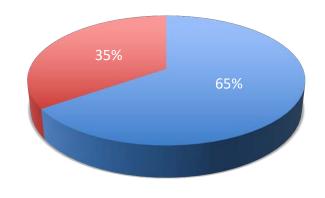


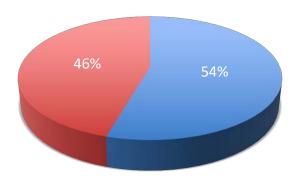




Oct-Dec 2022

Jan-Mar 2022

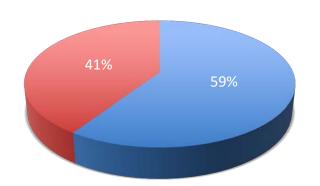




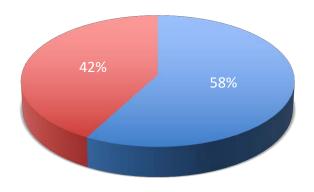
IVCs – By Release Status

- **IVCs** percent not released
- IVCs percent released

Jul-Sep 2022



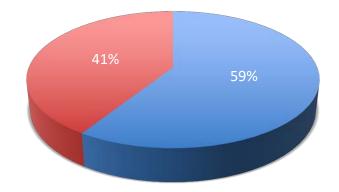
Apr-Jun 2022



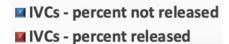




January – December 2021

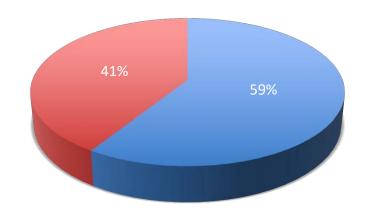


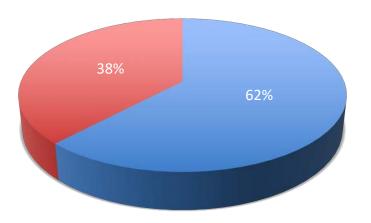
IVCs – By Release Status



38%

January – December 2020

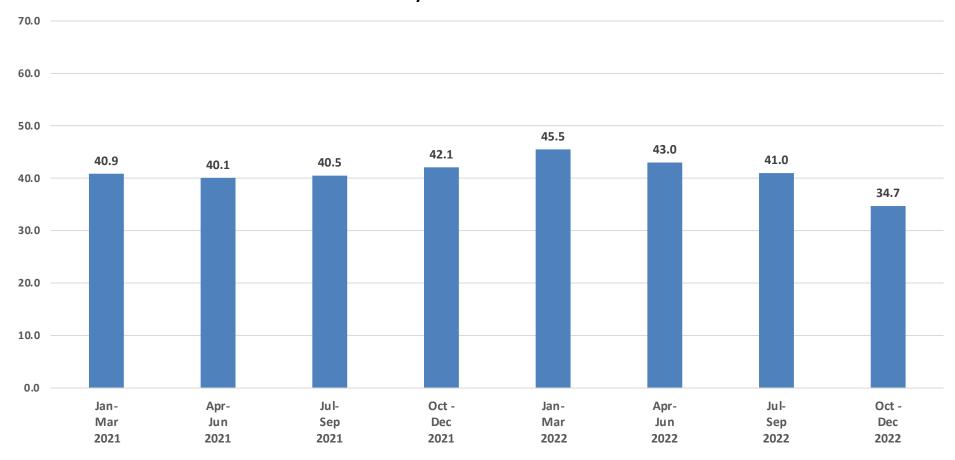








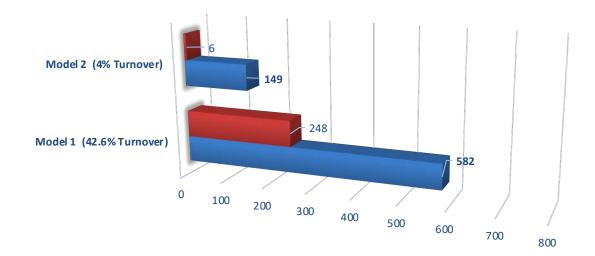
Percent of IVCs Turned Over by Quarter January 2021 - December 2022



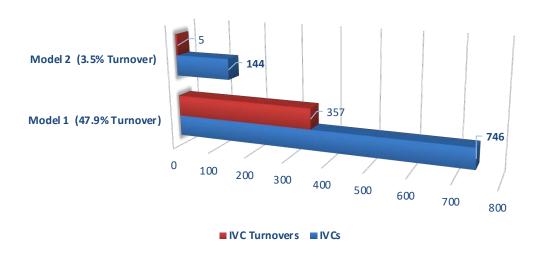




Oct-Dec 2022



Jul-Sep 2022

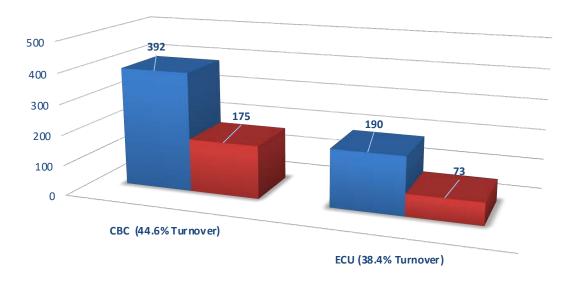


Number of IVCs and IVC Turnovers by Model

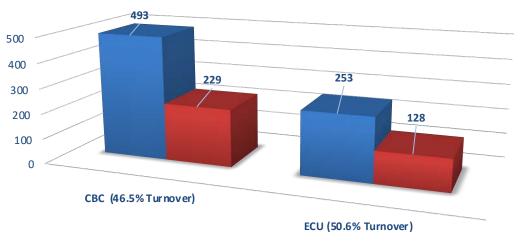




Oct-Dec 2022



Jul-Sep 2022



■ IVCs ■ IVC Turnovers

Number of IVCs and IVC Turnovers by Provider





Satisfaction Surveys

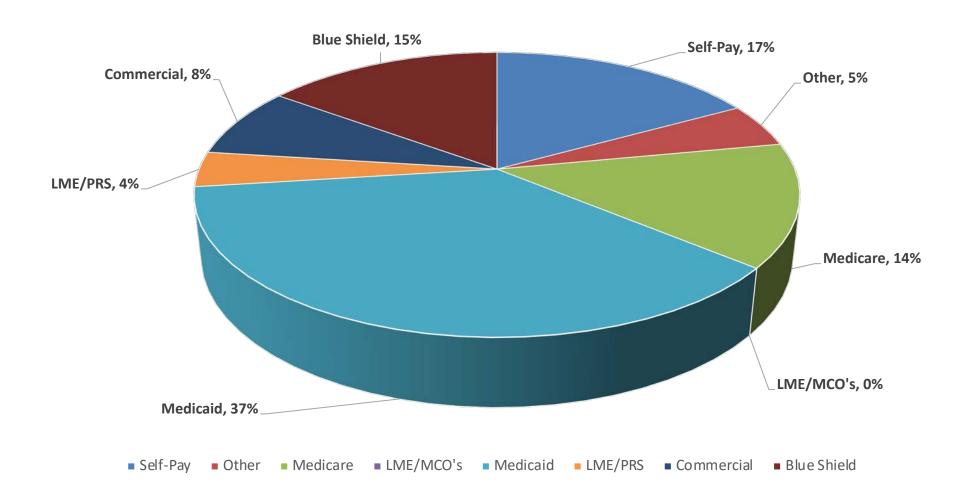
- Satisfaction surveys are done twice a year.
- Satisfaction surveys were not done during this last quarter.
- Most recent surveys were conducted in August of 2022
 - 52 individuals responded to the survey (N = 52).
 - The overall satisfaction rate was 81%.





NC-STeP Charge Mix

QTD FY2023 - Quarter 2

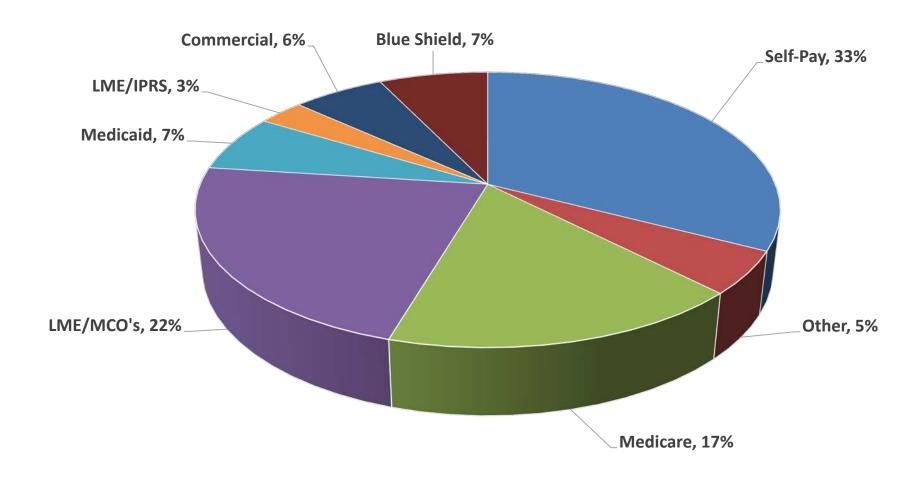






NC-STeP Charge Mix - Project to Date

Service Dates: October 1, 2013 – December 31, 2022







Community-Based Sites as of December 31, 2022

EVALUATION CRITERIA	VALUES/MEASURES REACHED AS OF 12/31/2022
The number of full-time equivalent (FTE) providers supporting the program	1.5 FTEs
2. The number of community-based sites contracted	22
3. Number of patient visits with medical (psychiatric) doctor	215 PTD= 1,692
4. The number return visits	1,204 PTD= 12,281
5. The number of patient visits with a mid-level provider	1,436 PTD= 14,022
6. The number of new patient visits	462 PTD= 3,498

NC-STeP Community Patient Visits During During During **During During During** During Since project **During** Calendar Calendar Calendar Quarter Quarter Quarter Quarter inception in Calendar Year Year Jan- Mar Apr- Jun Jul- Sep Oct- Dec Year October 2018 Year 2018 **Patient Visits** 2021 2022 2022 2019 2020 2022 2022 With Medical 1,692 8 536 265 316 103 98 151 215 Doctor With Mid-14,022 986 Level 2,006 3,217 4,122 1,036 1,212 1,436 Provider Total 15,818 2,633 4,440 1,139* 1,085 1,363 1,666** **Patient Visits** 15 3,477

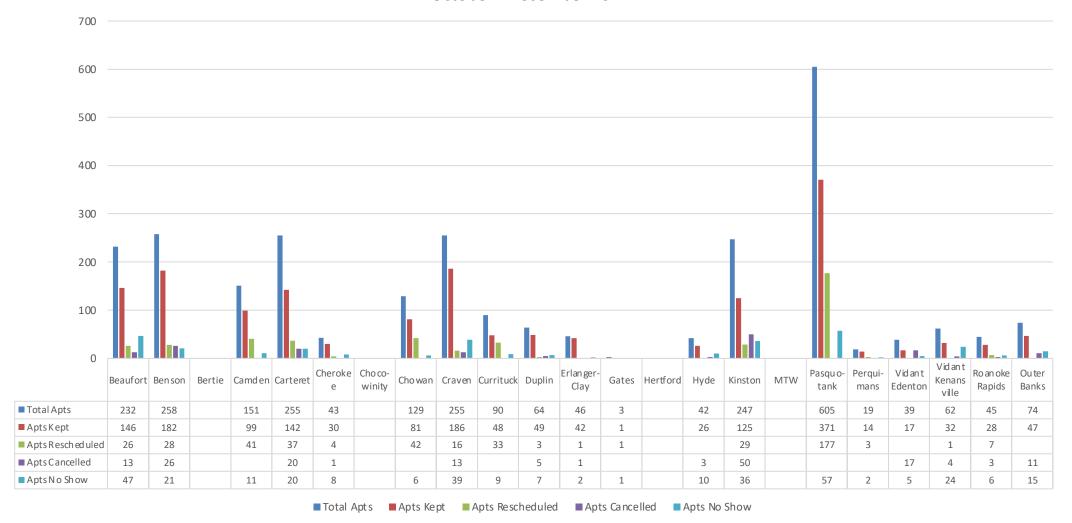




^{* 1} visit did not specify provider type

^{** 15} visits did not specify provider type
Since project inception there are 109 visits that listed no provider and 5 visits that listed both a mid-level and a doctor.

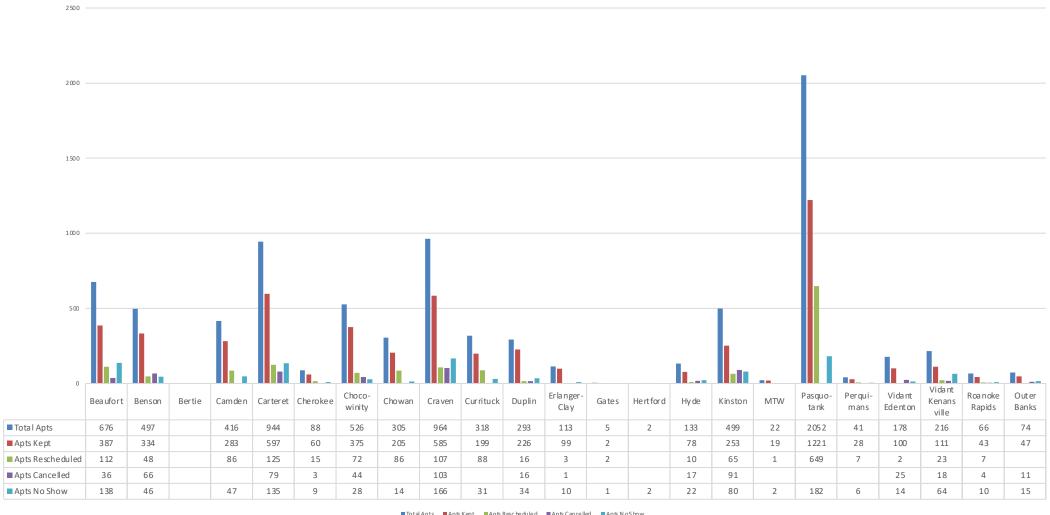
NC-Step Appointment by Site Appointments, Visits Kept, Rescheduled, Cancelled, No Show October - December 2022







NC-Step Appointment by Site Appointments, Visits Kept, Rescheduled, Cancelled, No Show January - December 2022

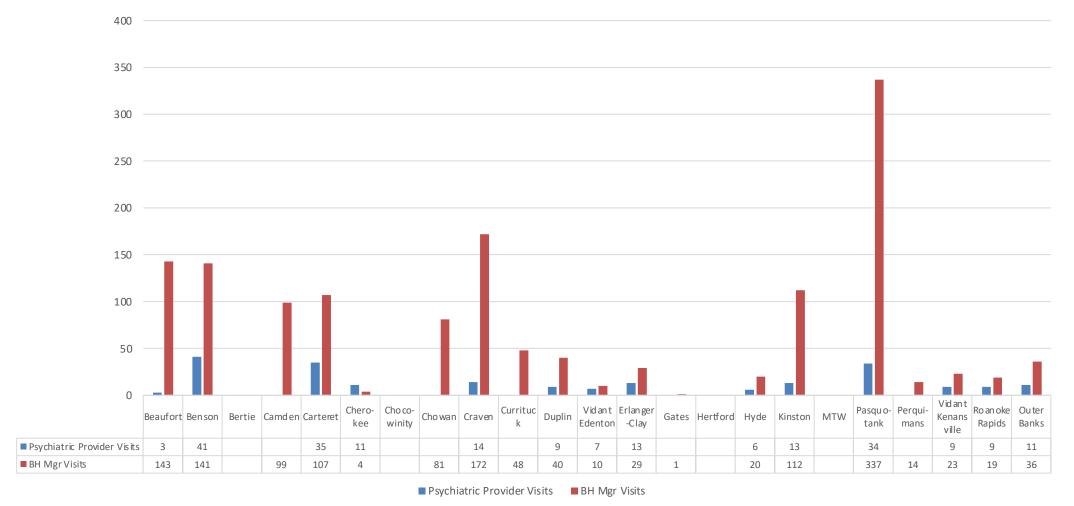


■Total Apts ■ Apts Kept ■ Apts Rescheduled ■ Apts Cancelled ■ Apts NoShow





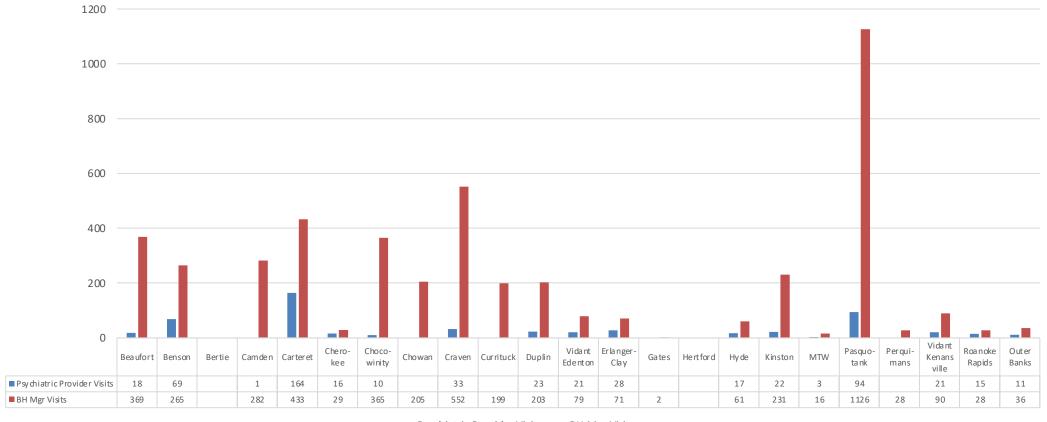
NC-Step Community Visits by Site by Provider Type October - December 2022







NC-Step Community Visits by Site by Provider Type January - December 2022



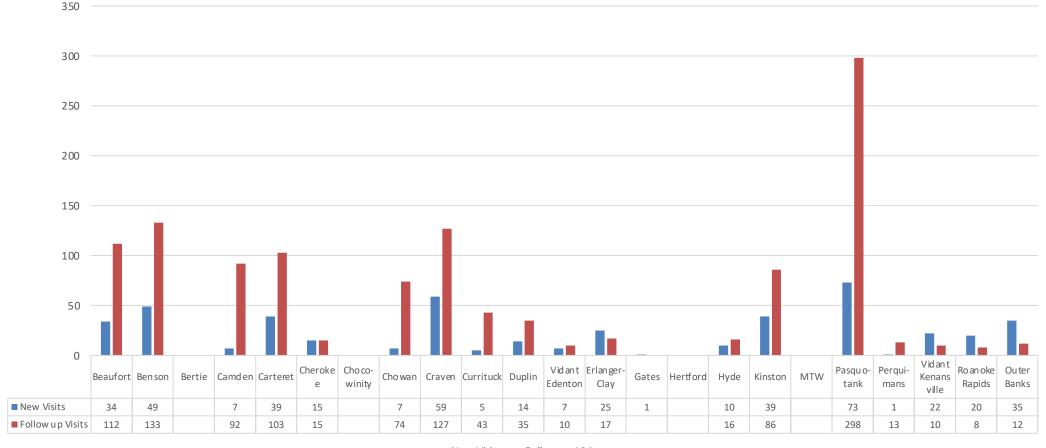








NC-STeP Community Visits by Site New and Follow-Up October - December 2022

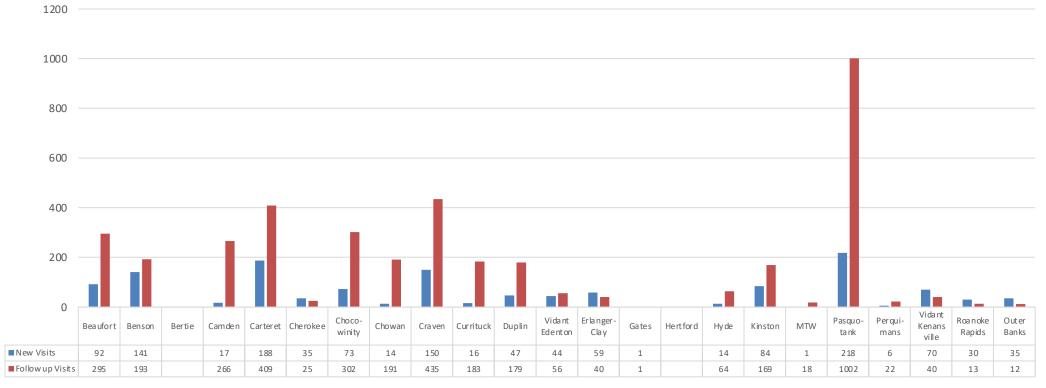


■ New Visits ■ Follow up Visits





NC-STeP Community Visits by Site New and Follow-Up January - December 2022



■ New Visits ■ Follow up Visits





NC-STeP Status as of December 31, 2022

- 38 hospitals in the network. 37 live.
- 57,052 total psychiatry assessments since program inception
- 9,419 IVCs overturned
 - Cumulative return on investment = \$50,862,000
 (savings from preventing unnecessary hospitalizations)
- Four Clinical Provider Hubs with 59 consultant providers
- Over 32% of the patients served had no insurance coverage



NC-STeP Status as of December 31, 2022

- 22 community-based sites.
- 15,714 total patient visits since program inception in October 2018.
 - 1,692 total patient visits with a psychiatrist
 - 14,022 total patient visits with a mid-level provider



Contact

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Executive Director

North Carolina Statewide Telepsychiatry Program (NC-STeP)

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NC-STeP Advisory Council Meeting

Wednesday, March 1, 2023 10:30 am – 12:00 pm Virtual Meeting via Zoom Video Conference

Agenda

10:30- 10:40 a.m.	Welcome and Introductions
10:40- 10:45 a.m.	Review and Approval of December 14, 2022 Minutes
10:45- 11:45 a.m.	NC-STeP FY23-Q2 (Oct-Dec) Performance Data
11:45- 11:50 a.m.	Old Business
11:50- 11:55 a.m.	New Business
11:55- 12:00 p.m.	 Announcements NC-STeP Pediatric Program launch Vermont/ NC-STeP Collaboration NC-STeP Presentations at the Annual Meetings of ATA and APA MOTHERS Project update and presentation at the NC Rural Summit

12:00 p.m.

Adjourn

zoom

Join Zoom Meeting

https://us06web.zoom.us/j/86993351235?pw d=NXk0a0hSTGV3QTFmUFVJeVZybnN5Zz09

Meeting ID: 869 9335 1235

Passcode: 198610





Caring for the Mental Health and Wellbeing of Children: Using Telepsychiatry to Enhance Access to Care and Promote Well-Being

A new grant-funded service soon will be offered by the North Carolina Statewide Telepsychiatry Program (NC-STeP)* to provide mental health services for children and adolescents in six selected pediatric/primary care practices in Tier 1 or Tier 2 counties in North Carolina. And we are seeking practice partners.

News Services

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GRANT EXPANDS NC-STeP

ECU will provide mental health services for youth with \$3.2 million United Health Foundation grant

VT/NC Collaboration

Vermont is emulating the NC Statewide Telepsychiatry Program (NC-STeP) to increase timely psychiatric care via telehealth in the emergency department setting in rural areas of our state.

VPQHC is excited to be mentored by Dr. Sy Saeed and the NC-STeP team as we design and implement a new statewide system to address currently unmet mental health needs.

We are grateful to the NC-STeP team for their invaluable technical assistance and support as we begin scaling up the telepsychiatry network operations through our first two demonstration projects.

We look forward to our continued collaboration and future success.





Catherine Fulton, MS, CPHQ Executive Director, VPQHC



Healthcare Beyond Your ZIP code: Increasing Access to Telehealth Solutions in Rural Areas

Afternoon Breakout Session

Room 305 A&B



Dr. John Graham President North Carolina Telehealth Network Association



Register now at GoTelehealth.org

Dr. Sy Saeed
Professor and
Chair Emeritus;
Director Center
for Telepsychiatry
ECU Brody
School of
Medicine, Center
for Telepsychiatry
and e-Behavioral
Health

ata2023

NC-STeP Upcoming 2023 Presentations









