

# Quarterly Progress Update



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- 41 hospitals in the network, 40 hospitals were live
- 28 hospitals reporting Telepsychiatry patients in their ED
  - not all live hospitals had telepsychiatry patients
- Total number of assessments for this quarter = 1,406
- Total number of encounters for this quarter = 1,213
- Patient assessments billed for Model 1 hospitals = 924



- The Median Length of Stay was 29.0 hours
- The Average Length of Stay was 53.5 hours
  - 54.1 hours for those discharged to home
  - 52.2 hours for those transferred to another facility
- Average Consult Elapsed Time (in Queue to Exam Complete) for Model 1 hospitals was 4 hours and 24 minutes.



- 799 ED patients who received telepsychiatry services had an IVC in place during their ED stay.
  - 323 (40.4%) of those patients did not have an IVC in place when discharged.
- Of the ED patients who received telepsychiatry services:
  - 45.3% were discharged to home
  - 48.2% were discharged to another facility



- 16 Community based sites were live as of 6/30/21 with 15 sites reporting Telepsychiatry patients.
- There were 1,060 total behavioral health visits.
  - 58 visits with a Psychiatrist.
  - 1,002 visits with a behavioral health manager.
  - 28 visits with a Maternal and Fetal Medicine Specialist.



NC-STeP	Since project inception in November 2013	Quarter Jul- Sep 2020	Quarter Oct- Dec 2020	Quarter Jan- Mar 2021	Quarter Apr- Jun 2021
Total Patient Encounters	35,386	1,179	1,074	1,105	1,213
Model 1 Hospital Patient Encounters	21,512	620	544	688	731
Model 2 Hospital Patient Encounters	13,847	559	530	417	482
Total Number of Assessments (Billed Assessments for Model 1 Hospitals + Number of Patient Encounters for Model 2 Hospitals)	46,904	1,334	1,201	1,296	1,406

### **NC-STeP Benchmarks**

NC-STeP Cumulative Target	Value Reached as		
be reached by (06/30/2021)	to of most recent previous quarter (03/31/2021)	Value Reached as of this reporting quarter (06/30/2021)	Year-to-Date Total with % of the Yearly Target (06/30/2021)
Number of IVCs 1,700	781	799	3,090 182% of Y
Number of IVCs Overturned 505	320	323	1,236 245% of Y
Total Number of Assessments (Billed assessments for Model 1 hospitals + Number of patient encounters for Model 2 hospitals.)  4,251	1,307	1,406	5,249 123% of Y

EVALUATION CRITERIA	BASELINE VALUES/MEASURES AS REPORTED ON 03/31/2020	TARGET TO BE REACHED BY 06/30/2021	VALUES/MEASURES REACHED AS OF 06/30/2021
The number of full- time equivalent (FTE) positions supported by these contracts	4.02 FTEs	4.30 FTEs	4.10 FTEs
2. The number of overturned involuntary commitments (inpatient admission prevented)	711	505	323 in this quarter  Cumulative total since program inception 7,339
The number of participating consultant providers	48	48	42



EVALUATION CRITERIA	BASELINE VALUES/MEASURES AS REPORTED ON 03/31/2020	TARGET TO BE REACHED BY 06/30/2021	VALUES/MEASURES REACHED AS OF 06/30/2021
4. The number of telepsychiatry assessments conducted.	5,105	4,251	1,406 in this quarter  Cumulative total since program inception 48,322
5. The number of telepsychiatry referring sites	58	48	41 40 Live
6. The reports of involuntary commitments to enrolled hospitals	2,061	1,700	799 in this quarter  Cumulative total since program inception 21,347



EVALUATION CRITERIA	BASELINE VALUES/MEASURES AS REPORTED ON 03/31/2020	TARGET TO BE REACHED BY 06/30/2021	VALUES/MEASURES REACHED AS OF 06/30/2021
7. The average (mean) Length of Stay for all patients with a primary mental health diagnosis across all dispositions.	55 hours	55 hours	QTD Average = 53.5 QTD Median = 29.0
8. The rate of "satisfied" or "strongly satisfied" among emergency department staff participating in NC-STeP.	80%	80%	Survey not conducted this quarter

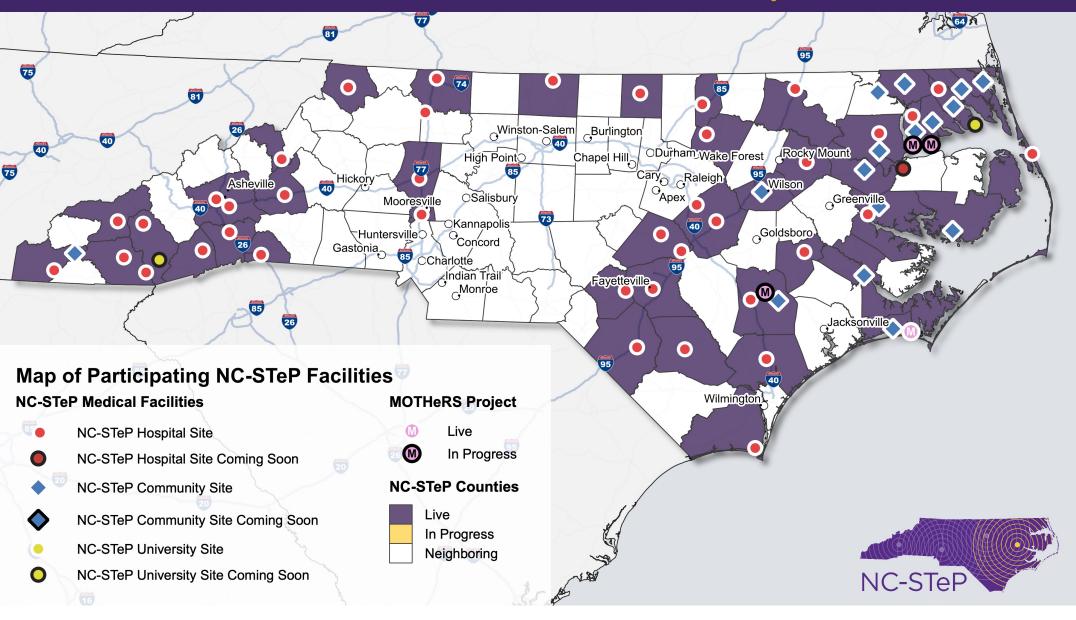


EVALUATION CRITERIA	BASELINE VALUES/MEASURES AS REPORTED ON 03/31/2020	TARGET TO BE REACHED BY 06/30/2021	VALUES/MEASURES REACHED AS OF 06/30/2021
9. The rate of "satisfied" or "strongly satisfied" among hospital CEOs/COOs participating in NC-STeP.	100%	100%	Survey not conducted this quarter
10. The rate of "satisfied" or "strongly satisfied" among consulting (hub) providers participating in NC-STeP.	100%	100%	Survey not conducted this quarter

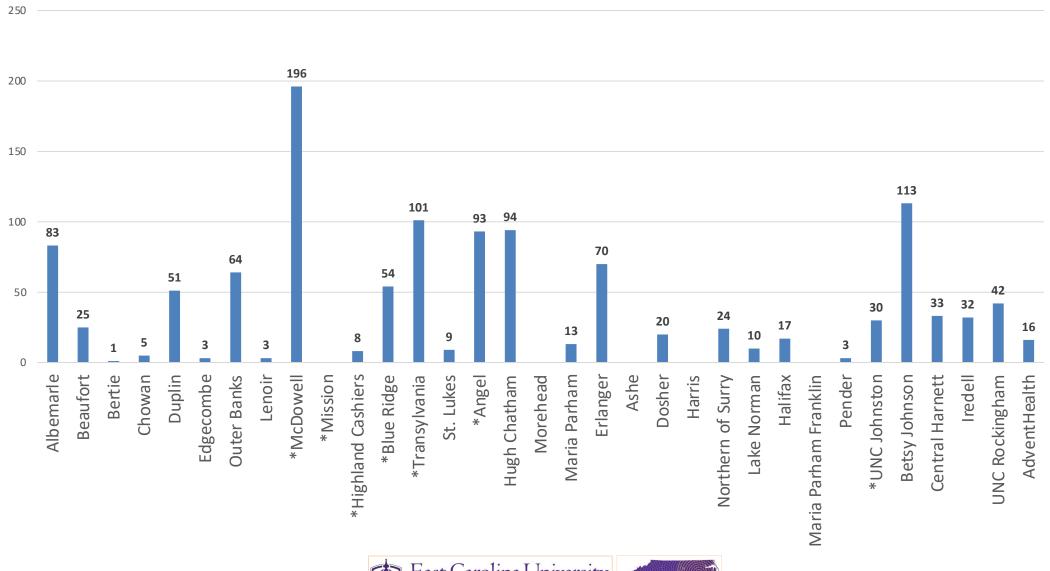


EVALUATION CRITERIA	BASELINE VALUES/MEASURES AS REPORTED ON 03/31/2020	TARGET TO BE REACHED BY 06/30/2021	VALUES/MEASURES REACHED AS OF 06/30/2021
11. The rate of "satisfied" or "strongly satisfied" among emergency department physicians participating in the statewide telepsychiatry program.	85%	85%	Survey not conducted this quarter
12. Cumulative return on investment to state psychiatric facilities through overturned involuntary commitments  (inpatient admission prevented)	\$3,839,400	\$3,213,403	\$1,744,200  Cumulative average since program inception \$39,630,600





#### Number of NC-STeP Patients by Hospital April - June 2021

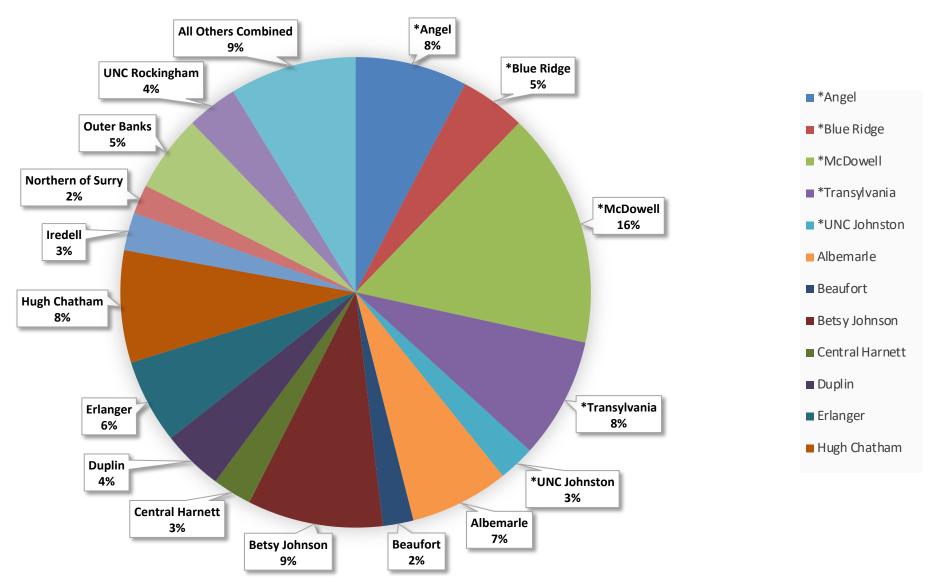






#### Percent of use by hospital Apr-Jun 2021

(based on number of encounters)

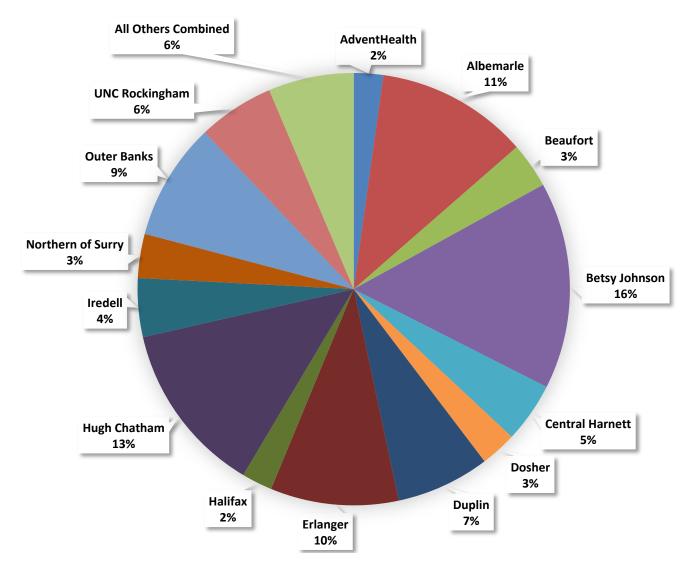


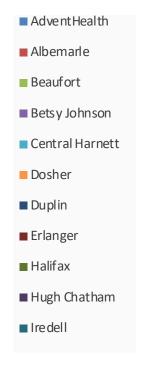




#### Percent of use for Model 1 Hospital Apr-Jun 2021

(based on number of encounters)



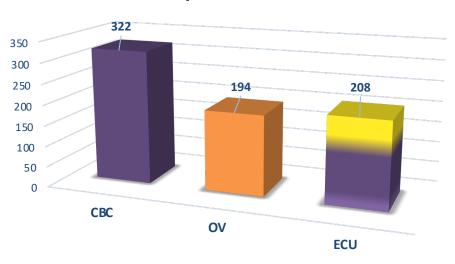




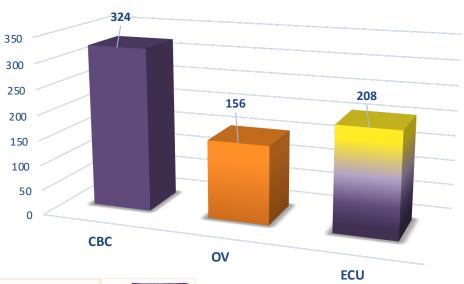


### Number of Patients by Provider (Model 1)

Apr-Jun 2021



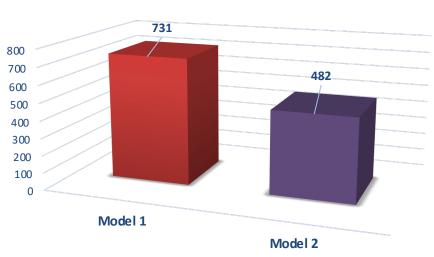
**Jan-Mar 2021** 



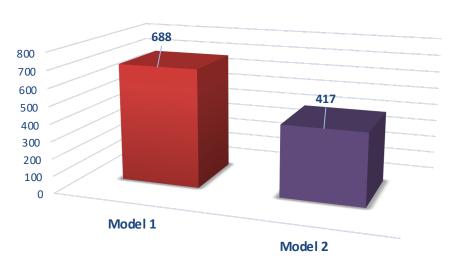


### **Number of Patients by Model**

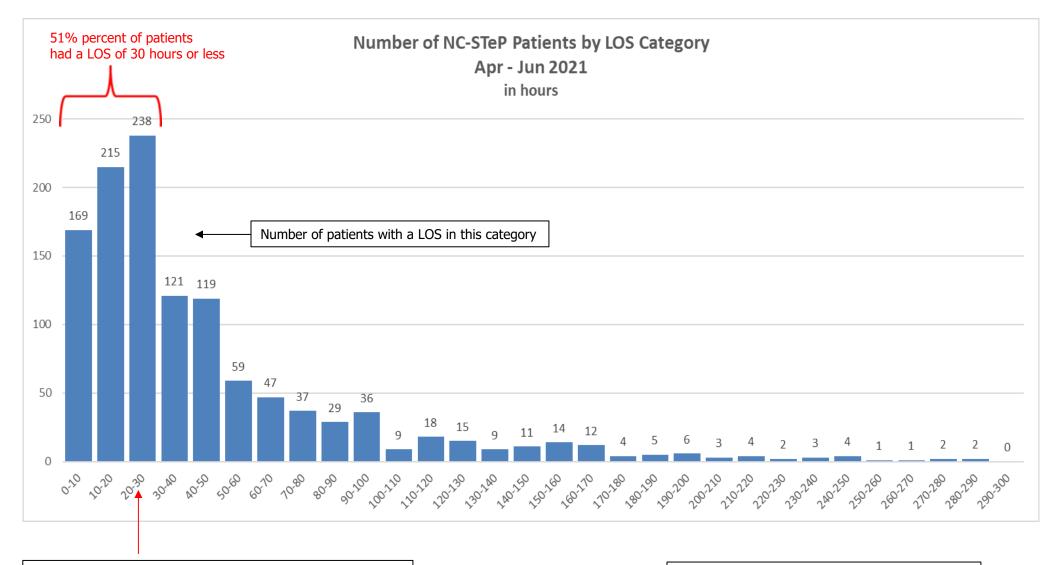




**Jan-Mar 2021** 



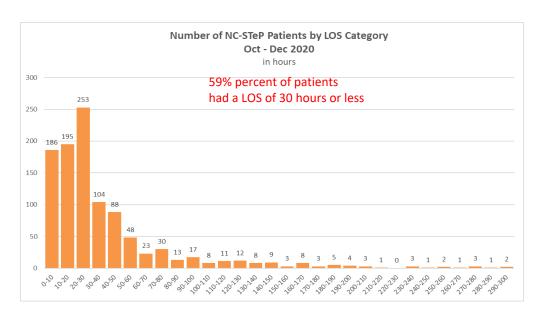


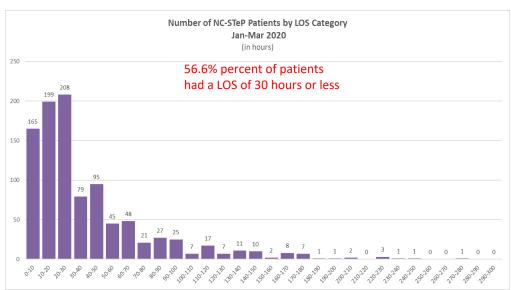


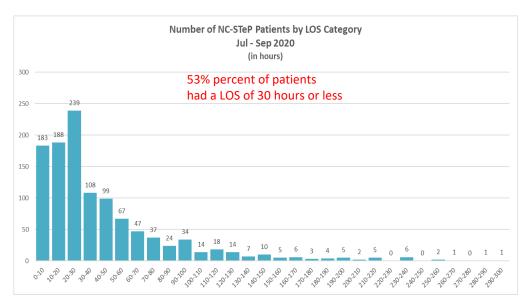
Median Length of Stay for Apr-Jun 2021 = 29 Hours

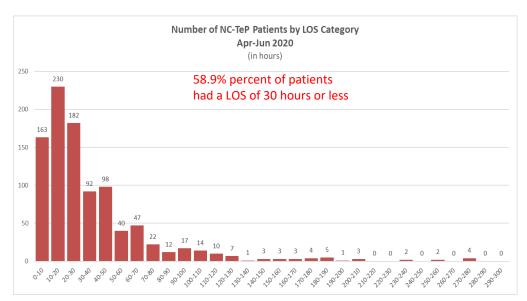
18 patients had a LOS longer than 300 hours









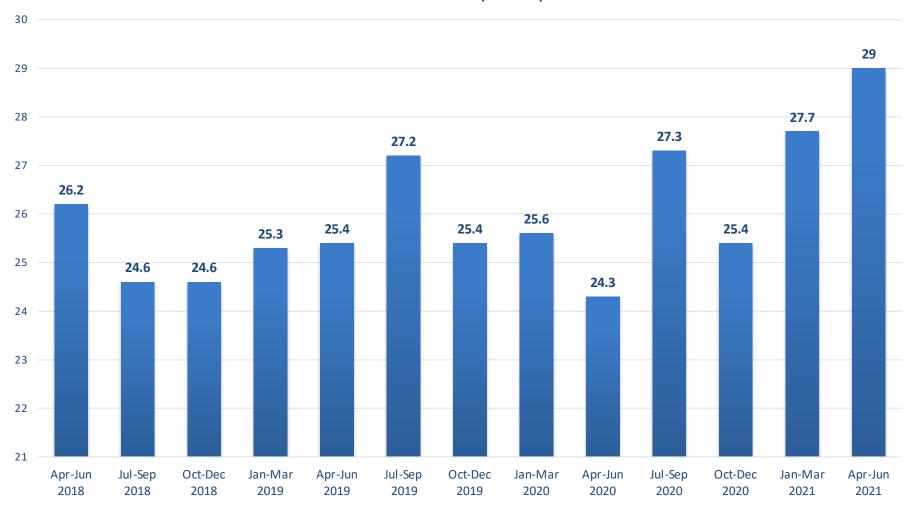






#### **Median Length of Stay by Quarter**

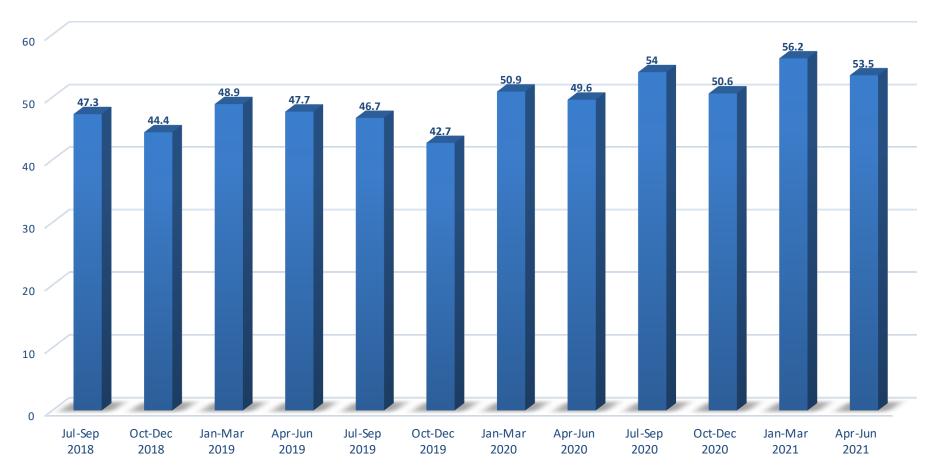
(in hours)







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

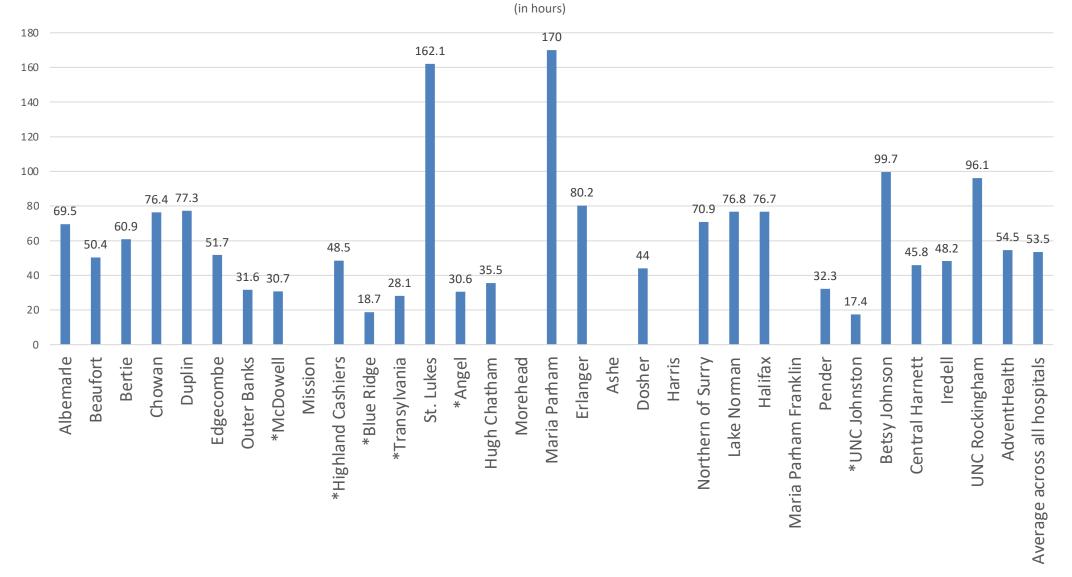






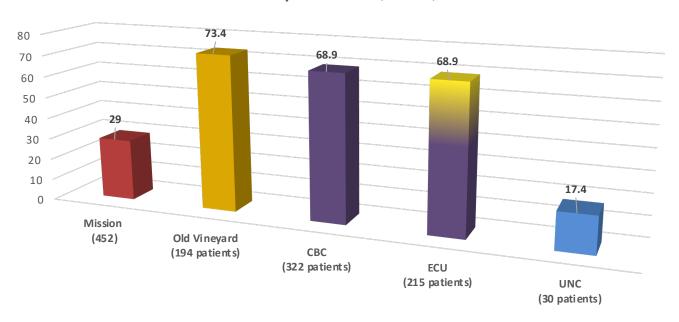
#### Average Length of Stay for NC-STeP Patients by Hospital

April - June 2021

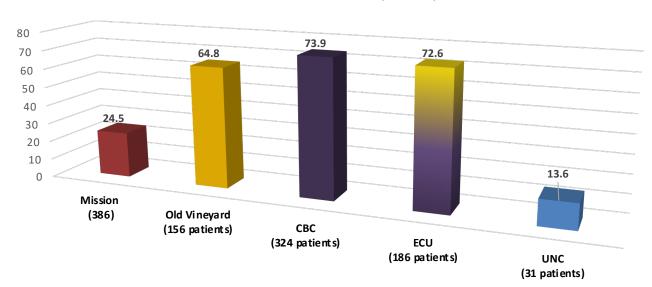




#### Apr-Jun 2021 (in hours)



#### Jan-Mar 2021 (in hours)

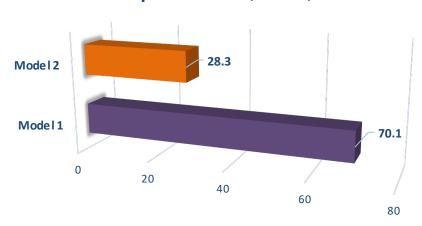


## Average Length of Stay by Provider

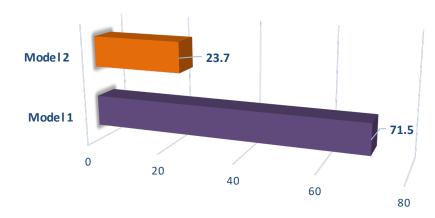


## **Average LOS by Model**

#### Apr-Jun 2021 (in hours)



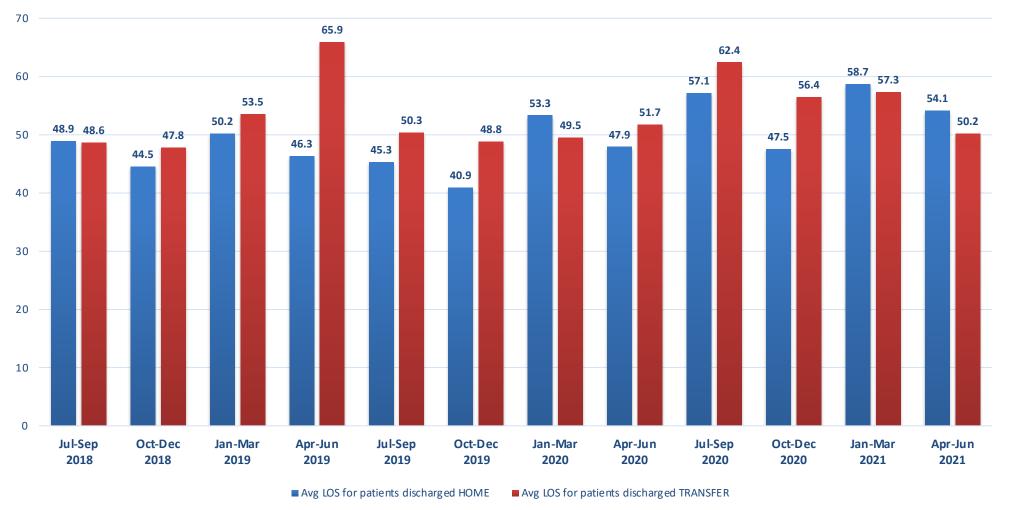
#### Jan-Mar 2021 (in hours)







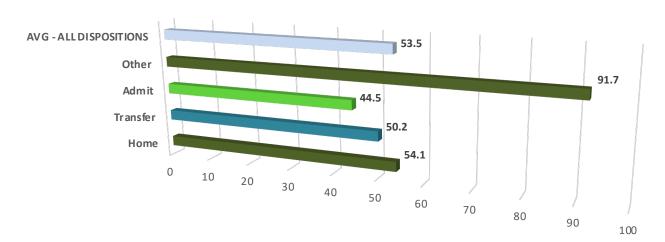
## Average Length of Stay by Quarter for Patients Discharged to Home or Transfer (in hours)





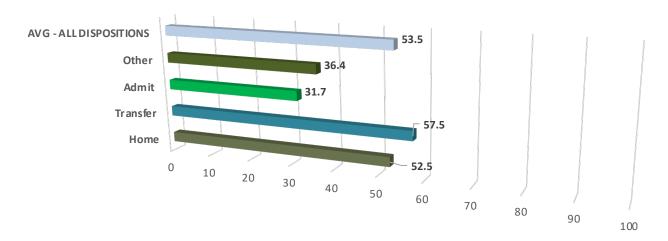


#### Apr-Jun 2021 (in hours)



## **Average LOS by Discharge Disposition**

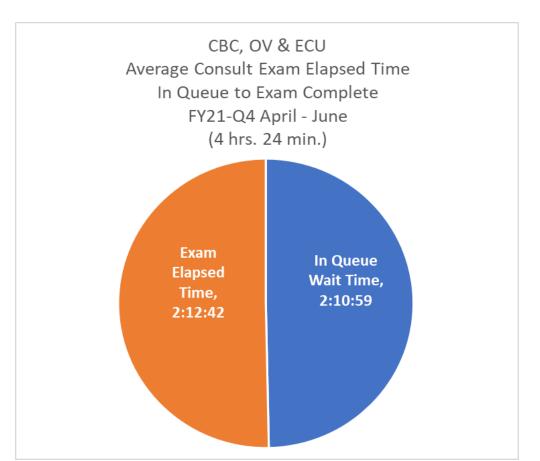
#### Jan-Mar 2021 (in hours)

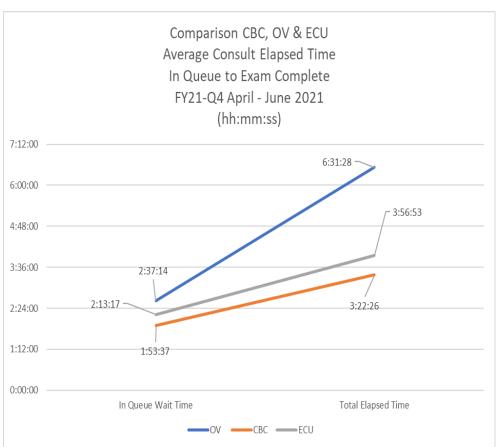






### Consult Elapsed Time: April – June 2021

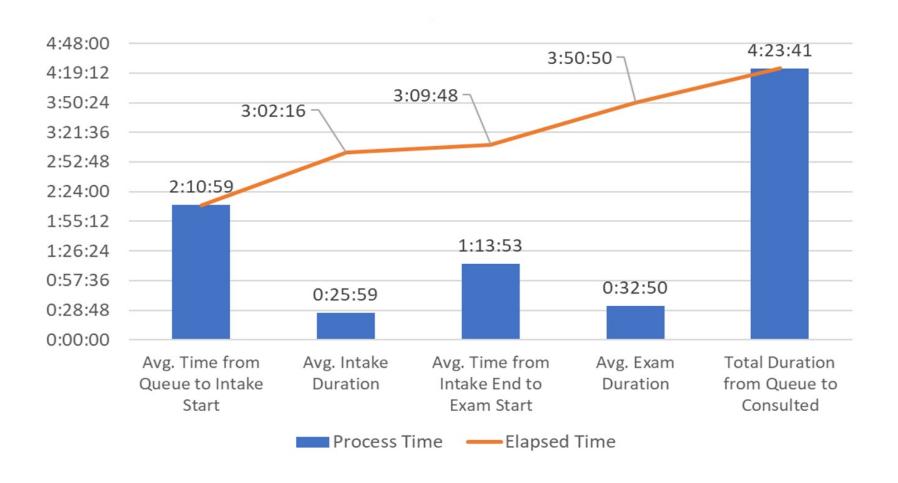








# Key Processes and Elapsed Times Averages CBC, OV, ECU: April – June 2021

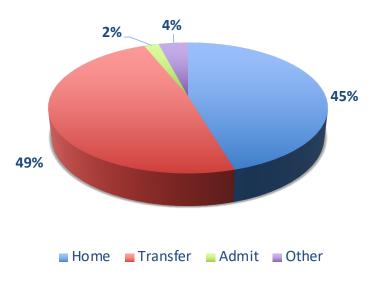




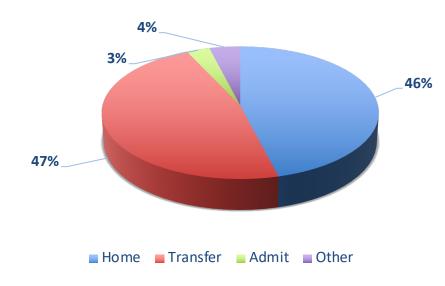


### **Percent of Patients by Discharge Disposition**

#### Apr-Jun 2021



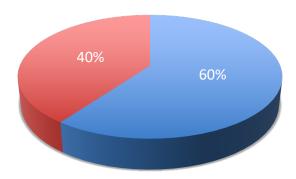
#### **Jan-Mar 2021**







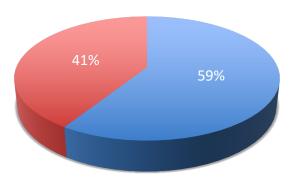
#### Apr-Jun 2021



### IVCs – By Release Status

- IVCs percent not released
- IVCs percent released

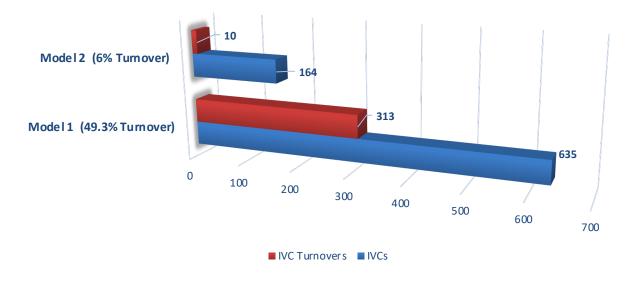
#### **Jan-Mar 2021**



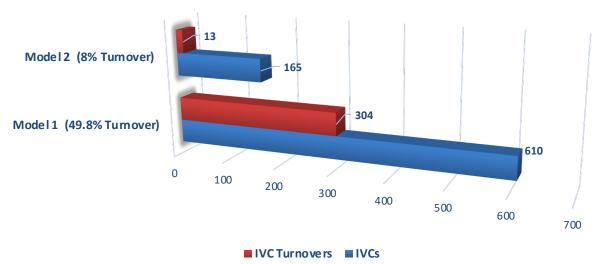




#### Apr-Jun 2021



#### **Jan-Mar 2021**

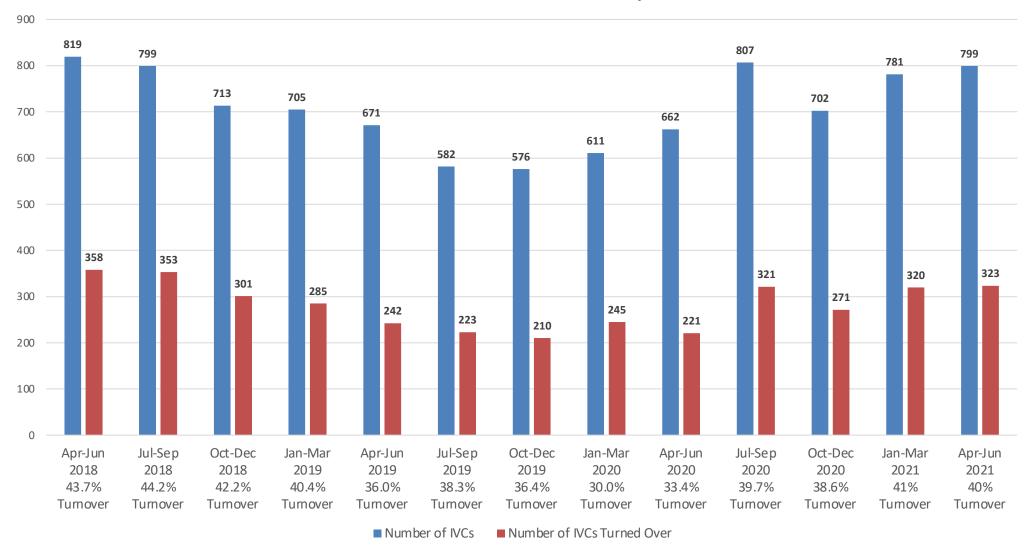


# Number of IVCs and IVC Turnovers by Model



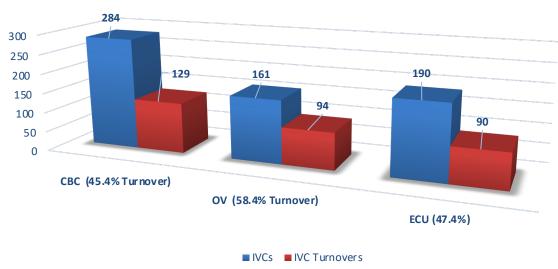


#### Number of IVCs and IVCs Turned Over by Quarter

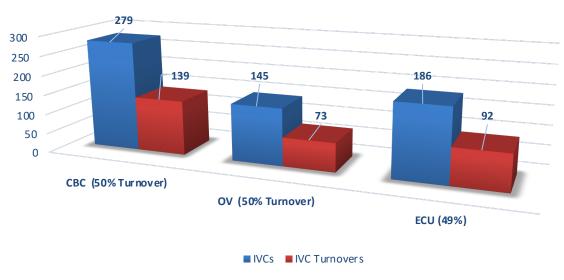




#### Apr-Jun 2021



#### **Jan-Mar 2021**



## Number of IVCs and IVC Turnovers by Provider





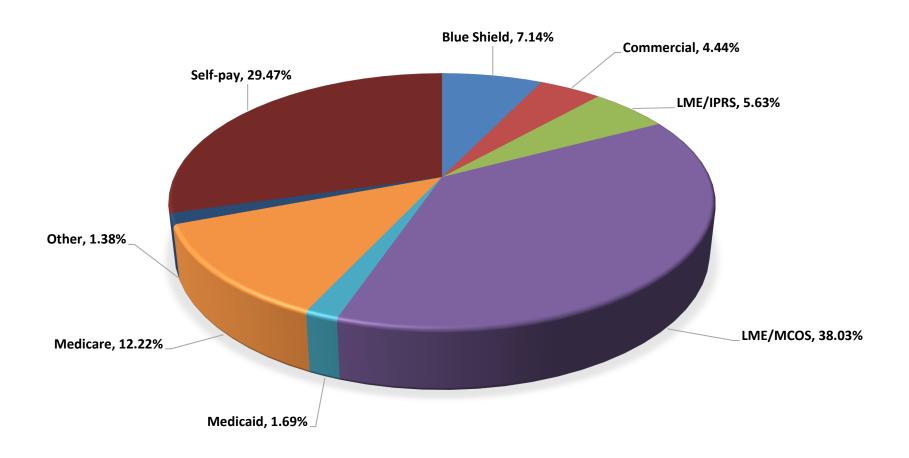
## **Satisfaction Surveys**

- Satisfaction surveys are done twice a year
- The most recent survey was completed in March of 2021 with 9 groups with an overall satisfaction rate of 89%.



## **NC-STeP Charge Mix**

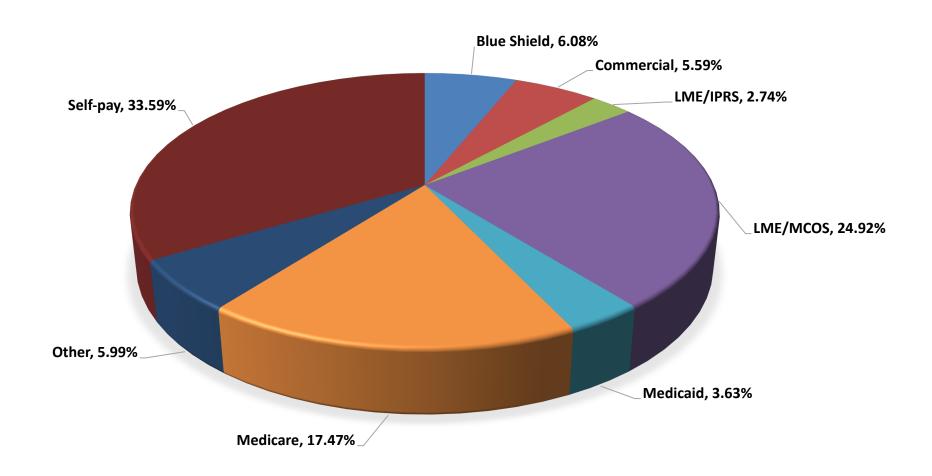
QTD 2021 - Quarter 4





### NC-STeP Charge Mix - Project to Date

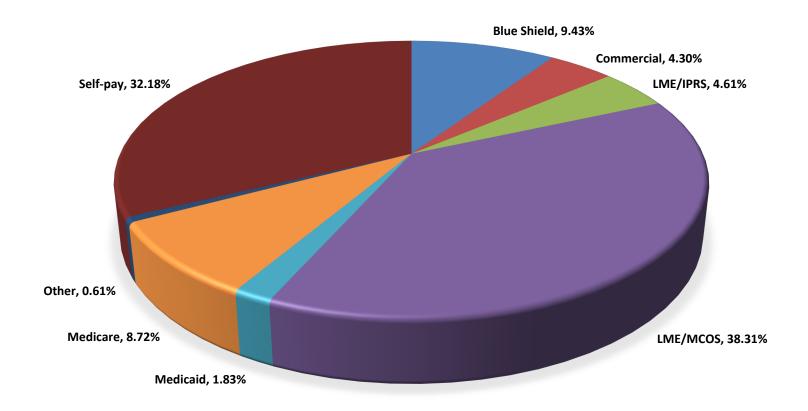
Service Dates: October 1, 2013 – June 30, 2021





## NC-STeP Charge Mix

QTD 2021 - Quarter 3





# Community-Based Sites as of June 30, 2021

EVALUATION CRITERIA	BASELINE VALUES/MEASURES AS REPORTED ON 3/31/2020	VALUES/MEASURES REACHED AS OF 06/30/2021
The number of full-time equivalent (FTE) providers supporting the program	.70 FTEs	.70 FTEs
2. The number of community-based sites contracted	8	16
3. Number of patient visits with medical (psychiatric) doctor		58
	81	YTD= 268
		PTD= 944
4. The number return visits		832
	524	YTD= 3,208
		PTD= 6,540
5. The number of patient visits with a mid-level provider		1,002
	613	YTD= 3,714
		PTD= 7,247
6. The number of new patient visits		211
	169	YTD= 751
		PTD= 1,700

### **NC-STeP Community Patient Visits**

Patient Visits	Since project inception in October 2018	During Calendar Year 2018	During Calendar Year 2019	During Calendar Year 2020	During Quarter Jan-Mar 2021	During Quarter Apr- Jun 2021
With Medical Doctor	944	8	536	265	77	58
With Mid-Level Provider	7,247	7	2,006	3,217	1,015	1,002
Total Patient Visits	8,288	15	2,633	3,477	1,103	1,060

- Since project inception there are 92 visits that listed no provider and 5 visits that listed both a mid-level and a doctor.
- There were 28 MFM visits this quarter and 18 Medical Nutrition Specialist visits
- Total visits of 1,060 only includes Behavioral Health Visits.



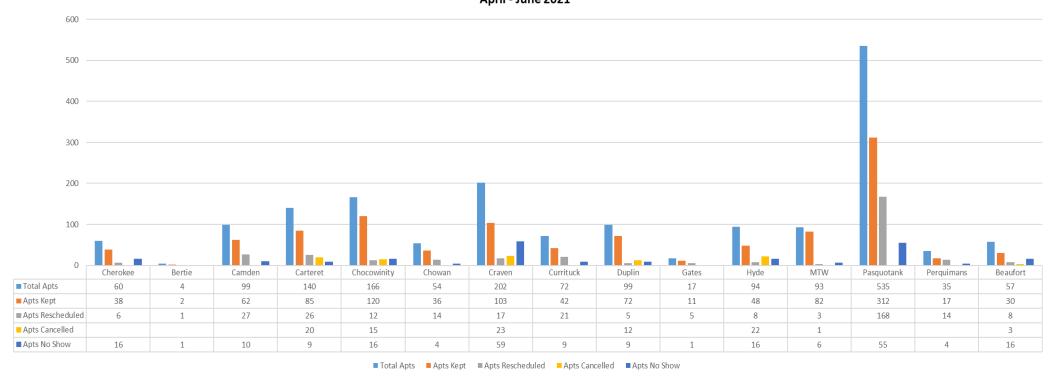
### **NC-STeP Community Benchmarks**

	Goals*	Values Reached		
Patient Visits	Total for most recent full fiscal year (July 1, 2020 - June 30, 2021)	Value Reached as of most recent previous quarter (03/31/2021)	Value reached as of this reporting quarter (06/30/2021)	
With medical doctor	268	77	58	
With mid-level provider	3,714	1,015	1,002	
New patient visits	751	214	211	
Return patient visits	3,208	877	832	

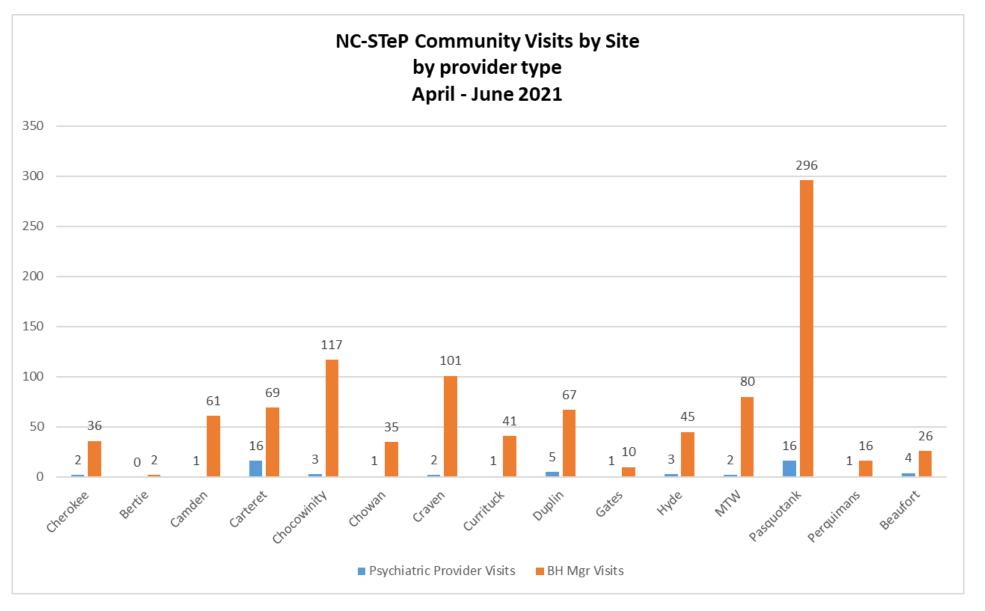
#### 7/27/21

- \*DHHS no longer has targets. Goals column shows totals for the most recent 12-month fiscal year period.
- 171 visits did not specify if it was new or return.

#### NC-STeP Community Appointments by Site Appointments, Visits Kept, Rescheduled Cancelled, No Show April - June 2021

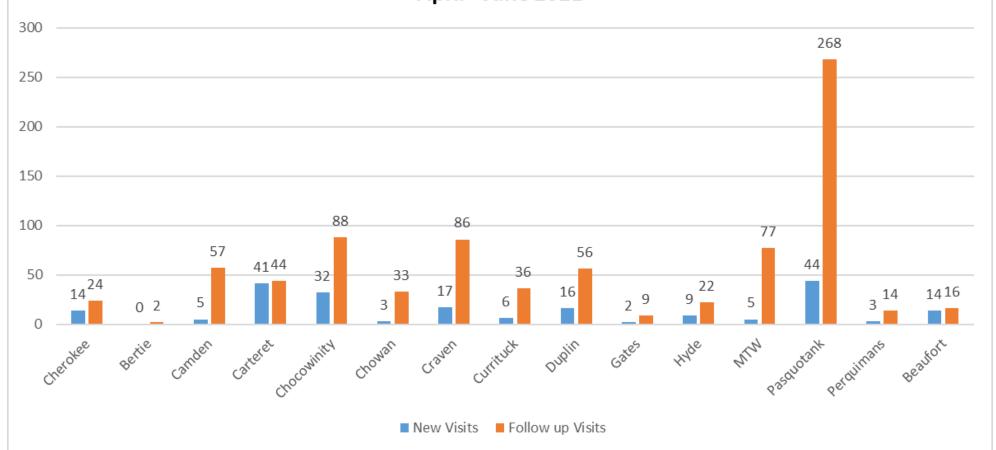








### NC-STeP Community Visits by Site New and Follow up April - June 2021





## NC-STeP Status as of June 30, 2021

- 41 hospitals in the network. 40 live.
- 48,322 total psychiatry assessments since program inception
- 7,339 IVCs overturned
  - Cumulative return on investment = \$39,630,600
     (savings from preventing unnecessary hospitalizations)
- Six Clinical Provider Hubs with 42 consultant providers
- Administrative costs below industry standard
- Over 33% of the patients served had no insurance coverage



## NC-STeP Status as of June 30, 2021

- 16 community-based sites.
- 8,191 total patient visits since program inception in October 2018.
  - 944 total patient visits with a psychiatrist
  - 7,247 total patient visits with a mid-level provider







**Contact** 

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