

### Appendix C: Description of Process and Outcome Measures for All Participants

Domain	Measure	Collection Frequency	Intended Outcomes & Targets
<b>Housing and Service Utilization</b>	<b>Utilization of Non-Medicaid Resources</b>	Quarterly Participant surveys: baseline, 3-month, 6-month, 12-month	Housing and counts of service use including non-Medicaid covered services
<b>Care Quality</b>	<b>Therapeutic Alliance</b> , Health Climate Questionnaire	Quarterly participant surveys: baseline, 3-month, 6-month, 12-month	At the second interview, 60% of Parachute participants interviewed will show a 20% increase in their HCQ score. At the third interview, 80% will show a 20% increase, sustaining these improvements through the exit interview.
	<b>Perceived Coercion</b> , MacArthur Admission Experience Survey Adapted		Reduce perceived coercion regarding treatment. At exit, 80% of participants will score $\leq 4.0$ . <sup>74</sup>
	<b>Psychiatric Symptoms</b> , Colorado Symptom Index		Reduce self-reported psychiatric symptoms. At exit 80% of recipients will score < 40
<b>Health &amp; Functional Status</b>	<b>Mental and Physical Health</b> , Medical Outcome Study, Short Form-36	Quarterly participant surveys: baseline, 3-month, 6-month, 12-month	Increase physical and mental health. At exit 80% of participants will score > 47
	<b>Agency</b> , Mental Health Confidence Scale		At the second interview, 60% of Parachute participants should show a 20% increase in their MHCS scores; at the third interview, 80% of Parachute participants should show a 20% increase in MHCS scores, sustaining these improvements through the exit interview.
	<b>Social Functioning</b> , The Social Functioning Scale		At the second interview, 60% of Parachute participants should show a 10% increase in their SFS scores; at the third interview, 80% of Parachute participants should show a 10% increase, sustaining these improvements through the exit interview.

<sup>74</sup> Swartz, Marvin, Ryan Wagner, Jeffrey Swanson, Virginia A. Hiday, and Barbara J Burns. (2002). The Perceived Coerciveness of Involuntary Outpatient Commitment: Findings from an Experimental Study. *Journal of the American Academy of Psychiatry and the Law* 30:207-217.

**Appendix D: Interim Analysis of Parachute NYC Services – Linear Mixed Effects Model**

Interim Analysis of Parachute NYC Surveys Linear Mixed Effects Models May 2015 cohort N (Observations)= 365				
Overall test of fixed effects				
	Covariates	F value	Estimate (se)	T <sub>(df)</sub> p
MOS –Mental Composite Score	Time in Parachute	F <sub>(1,216)</sub> = 17.15***	0.68	t <sub>(216)</sub> = 4.14***
	>10 months in Parachute	F <sub>(1,216)</sub> = 7.14**	-1.13	t <sub>(216)</sub> = -2.67***
MCCS Total Colorado Symptoms	Time in Parachute	F <sub>(1,262)</sub> = 31.22***	-0.62	t <sub>(262)</sub> = -5.59***
	>10 months in Parachute	F <sub>(1,262)</sub> = 7.41***	0.97	t <sub>(262)</sub> = 2.74**
MOS – Physical Composite Score	# Parachute Services	F <sub>(1,262)</sub> = 3.70*	0.02	t <sub>(262)</sub> = 1.92
	Gender	F <sub>(1,159)</sub> = 9.65**	1.23	t <sub>(159)</sub> = -4.18**
	Age	F <sub>(1,159)</sub> = 17.44***	0.06	t <sub>(159)</sub> = -3.11**
MHCS MH Confidence Scale	Time in Parachute	F <sub>(1,263)</sub> = 6.11**	0.35	t <sub>(263)</sub> = 2.47**
	>10 months in Parachute	F <sub>(1,263)</sub> = 7.92**	-1.25	t <sub>(263)</sub> = -2.81**
HCCQ Health Care Climate Questionnaire	Time in Parachute	F <sub>(1,214)</sub> = 8.05**	-0.46	t <sub>(1,214)</sub> = -2.84**
	>10 months in Parachute	F <sub>(1,214)</sub> = 5.22*	1.47	t <sub>(1,214)</sub> = 2.29*
	# Parachute services	F <sub>(1,214)</sub> = 3.72	0.06	t <sub>(1,214)</sub> = 1.93*
	Gender	F <sub>(1,158)</sub> = 5.49*	4.17	t <sub>(1,158)</sub> = 2.34*
SFS Total	No Effects			
Probability of hospitalization during	Time in Parachute	F <sub>(1,263)</sub> = 7.92**	0.48	t <sub>(263)</sub> = -2.81**
	Age	F <sub>(1,263)</sub> + 13.35***	0.01	t <sub>(263)</sub> = -3.65***

\*= p< .05; \*\*=p<.01; \*\*\*=p<.001