

Appendix A. Summary of reported client-level outcomes

Author	Follow-up	Outcome	Instrument	Effect
Experimental				
Crampton et al 2020 (Collins et al 2020)	24 months	Housing: use of emergency shelter Housing: use of coordinated assessment Housing: use of rapid rehousing Housing: use of any homeless services (emergency shelter, coordinated assessment, rapid rehousing)	Homeless Management Information System HMIS HMIS HMIS	$\chi^2 = 6.20$, $p < .05$ $\chi^2 = 5.88$, $p < .05$ No effect $\chi^2 = 5.67$, $p < .05$
da Silva et al 2017	9 months	Mental Health: mean score of the mental health component subscale Family Support: mean score of personal and social relationships subscale Social Support: mean score of personal and social relationships subscale	SF-12 Personal and Social Performance (PSP) PSP	No effect No effect No effect
de Vet et al 2017	9 months	Housing: number of days rehoused, defined as living in conventional independent housing or accommodation permanently provided by relatives, friends, or acquaintances Mental Health: mean global severity index score Substance Use: excessive alcohol use (i.e., five or more drinks a day) in the past 30 days Substance Use: cannabis use in the past 30 days Family Support: mean score of how often relatives are available to provide practical and emotional support Social Support: mean score of how often friends or acquaintances are available to provide practical and emotional support Quality of Life: two-item average quality of life score	Residential Follow-Back Calendar Brief Symptom Inventory European Addiction Severity Index European Addiction Severity Index 5-item scale from the RAND Course of 5-item scale from the RAND Course of Lehman's Brief Quality of Life Interview	No effect Mean difference: -.14, 95% CI: -.29-.01, $p < .10$ No effect No effect OR=.36, 95% CI: .02-.71 No effect No effect
Dixon et al., 2009	6 months	Service Engagement: number of days to first mental health or substance use outpatient visit since hospital discharge Service Engagement: percentage of participants who had a greater number of mental health and substance use visits Service Engagement: number of mental health or substance use outpatient treatment visits Service Engagement: greater continuity of care defined as a greater number of two-month blocks with two or more outpatient visits Hospitalization/Emergency Services: rate of inpatient hospital days Hospitalization/Emergency Services: rate of emergency room visits Mental Health: total mental health severity score Mental Health: total positive symptoms subscales Mental Health: total negative symptoms subscale Family Support: mean score of family relations subscale Social Support: mean score of social relations subscale Quality of Life: mean scores of eight subscales...	VA performance measures VA performance measures VA performance measures VA performance measures VA performance measures VA performance measures VA performance measures Brief Psychiatric Rating Scale Brief Psychiatric Rating Scale Brief Psychiatric Rating Scale Lehman Quality of Life Interview Lehman Quality of Life Interview Lehman Quality of Life Interview	Hazard Ratio: 2.73, 95% CI: 1.80-4.15 All patients in B-CTI group had an outpatient visit, thus no response Event Rate Ratio: 2.14, 95% CI: 1.58-2.91 Mean difference: .63, 95% CI: .28-.97 Event Rate Ratio: 1.28, 95% CI: .75-2.17 Event Rate Ratio: .67, 95% CI: .32-1.36 No effect No effect No effect No effect No effect p=.013
		Living situation Daily activities and functioning Finances Work and school Legal and safety issues Health		No effect No effect No effect No effect p=.026 No effect
Herman et al., 2011 (Baumgartner & Herman, 2012; Tomita & Herman, 2012; Tomita, Lukens, & Herman, 2014)	9 and 18 months	Housing: any homelessness Housing: number of homeless nights Service Engagement: continuity of care defined as... Mean score of perceived ease of access to care Stability in patient-provider relationship as measured by any changes in providers (psychiatrist, case manager, and therapist) Stability in patient-provider relationships as measured by length of working relationship with providers (psychiatrist, case manager, and therapist) Stability in patient-provider relationship as measured by number of changes in providers (psychiatrist, case manager, and therapist) Severity of instability in patient-provider relationship as measured by mean score of perceived quality of transition care by psychiatrists and case managers/therapists Hospitalization/Emergency Services: any psychiatric rehospitalizations Family Support: mean score of frequency of family contact subscale Family Support: mean score of satisfaction with family relationship subscale	Personal History Form Personal History Form 4-item measure adapted from Bindman and Participant Interview Ware Continuity of Care Measure Ware Continuity of Care Measure Ware Continuity of Care Measure Personal History Form Lehman Quality of Life Interview Lehman Quality of Life Interview	Last 3 intervals: OR=.22, 95% CI: .06-.88 Last 3 intervals: $p < .001$ 18 months: $b = .73$; $p = .02$ Case manager/therapist at 9 months: $\chi^2 = 4.0$, $p < .05$ Psychiatrist at 9 months: $p = .05$ Case manager at 9 months: $p < .05$ Case manager/therapist at 18 months: $p = .01$ Psychiatrist transition at 9 months: $b = 37.5$, $p = .03$ OR=.11, 95% CI: .01-.96 18 months: $b = .47$, $p = .02$ 9 months: $b = .66$, $p = .02$
Lako et al., 2018	9 months	Mental Health: mean score of PTSD symptom scale Mental Health: mean score of depression scale Mental Health: mean score of Global Severity Index Mental Health: mean score of self-esteem scale Family Support: mean score of availability of family support scale Social Support: mean score of availability of friends or other acquaintances scale Quality of Life: mean score of general life satisfaction defined as how the participant feels about their life in general	Impact of Event Scale Center for Epidemiological Studies Brief Symptom Inventory Rosenberg Self-Esteem Scale Adapted from RAND Course of Adapted from RAND Course of Lehman Quality of Life Interview	Mean difference= - 7.27, 95% CI= -14.31 - -.22, $p = .04$ No effect No effect No effect No effect No effect No effect
Samuels et al., 2015 (Shinn et al., 2015)	15 months	Housing: probability of remaining in homeless shelter Service Engagement: any mental health service use Mental Health: mean Global Severity Index score Mental Health: mother-reported internalizing behaviors of children Mental Health: mother-reported externalizing behaviors of children Mental Health: child-reported internalizing behaviors Mental Health: child-reported externalizing behaviors Mental Health: child-reported depressive symptoms	Residential Follow-Back Instrument Participant Interview Brief Symptom Inventory Child Behavior Checklist Child Behavior Checklist Youth Self-Report Youth Self-Report Children's Depression Inventory	Significantly fewer days in the shelter until rehoused among FCTI n/a No effect Ages 1.5-5 years: $b = -3.65$, $p < .01$ Ages 1.5-5 years: $b = -3.12$, $p < .01$ No effect No effect No effect
Shaw et al., 2017	6 weeks, 6 and 12 months	Service Engagement: proportion of participants still engaged with community mental health team Service Engagement: engagement with mental health services (care coordinator, care plan, medication)	Participant Interview Participant Interview	6 weeks and 6 months: $p < .05$ 6 weeks and 6 months: $p < .05$
Susser et al., 1997 (Herman et al., 2000; Jones et al., 2003)	18 months	Housing: number of homeless nights Housing: risk of homelessness Housing: extended homelessness as measured by more than 54 nights Housing: intermediate homelessness as measured by 30-54 nights Housing: transient homelessness as measured by 1-29 nights Mental Health: mean positive symptoms scale Mental Health: mean negative symptoms scale	Personal History Form Personal History Form Personal History Form Personal History Form Personal History Form Positive and Negative Syndrome Scale PANSS	p=.003 Relative risk=.36, 95% CI=.12-1.06 Relative risk=.53, 95% CI=.27-1.01 No effect No effect No effect p=.02

Stergiopoulos et al., 2017	12 months	Mental Health: mean general psychopathology scale	PANSS	No effect
		Service Engagement: visits to primary care providers	Administrative data	No effect
		Hospitalization/Emergency Services: length of stay (days) in the hospital	Administrative data	No effect
		Hospitalization/Emergency Services: frequency of hospital admissions	Administrative data	No effect
		Hospitalization/Emergency Services: frequency of emergency department visits	Administrative data	No effect
		Mental Health: mental health severity in the past month	Colorado Symptom Index	No effect
		Substance Use: alcohol and drug addiction severity	Addiction Severity Index	No effect
		Quality of Life: health-related quality of life as measured by the means physical health and mental component subscale scores	Symptom Functioning-12	No effect
		Quality of Life: overall health quality of life	EuroQoL- 5 Dimension Visual Analogue	No effect
Quality of Life: disease-specific quality of life	QoL1-20	Mean difference=-9.12, 95% CI=-17.57- -.67, p=.04		
Quasi-Experimental				
Kasprow & Rosenheck, 2007	12 months	Housing: number of days housed (i.e., living in own home or with others)	Self-report Interview	p<.01
		Housing: number of days in institution (i.e., hospital, residential treatment, or jail)	Administrative data	p<.05
		Housing: number of days homeless	Self-report Interview	No effect
		Mental Health: level of psychiatric symptoms	Addiction Severity Index	p<.001
		Substance Use: level of alcohol use	Addiction Severity Index	p<.001
		Substance Use: level of drug use	Addiction Severity Index	p<.01
		Substance Use: alcohol use expenditures	Not specified	p<.05
		Substance Use: drug use expenditures	Not specified	p<.05
Nossel et al., 2016	12 months	Service Engagement: any outpatient service use	Medicaid Claims data	CTI reportedly had significantly greater contact with outpatient services.
		Hospitalization/Emergency Services: any emergency or inpatient service use	Medicaid Claims data	Reduction by .46 times for both groups, 95% CI=.35-.61
Shaffer et al., 2015	3 months	Service Engagement: substance use disorder outpatient service use	Administrative Claims data	No effect
		Hospitalization/Emergency Services: early hospital readmission within 30 days	Administrative Claims data	OR=2.83, 95% CI=1.72-4.65, p<.001
		Hospitalization/Emergency Services: long-term hospital readmission within 31-180 days	Administrative Claims data	No effect
		Hospitalization/Emergency Services: mental health crisis service use	Administrative Claims data	No effect
		Hospitalization/Emergency Services: mental health outpatient service use	Administrative Claims data	No effect