



C.H.A.I.N. REPORT

Tri-County CHAIN

Preliminary Memo 2003-2

Do Treatment Adherence Programs Lead to Better Client Outcomes?

DRAFT

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In collaboration with Medical and Health
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HIV Planning Council

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Tri-County CHAIN Project

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Table 1. List of variables

Variable	Measurement
Treatment adherence agency	Resp's primary care provider reported as either Westchester Med Ctr, Mt Vernon Hospital, or St Johns Riverside - Yonkers General Hospital
Received treatment adherence service	Resp reported positively to question, "Has anyone suggested ways to help you remember to take your medicine on time and in the right way?"
Gender	Male / Female
Race/Ethnicity	White / Black / Latino / Other
Drug Use History	Never used / former user / current user
Year of HIV Awareness	1978-1989 / 1990-95 / 1996-2000 / 2001-02
Unstably housed	Any episode of unstable housing in past 6 months, including doubled-up, homeless, shelter, drug treatment housing, jail

Table 2. Outcome measures

Outcome	Measurement
On antiretroviral therapy	Respondent reports any combination HIV therapy (protease inhibitors, NRTI's, NNRTI's). Does not include monotherapy
On HAART	Resp. reports HIV meds that meet recommended DHHS guidelines
Adherent	Respondent reports that he/she takes medications exactly as prescribed, almost never missing a dose; and had no missed pills in prior two days
Knows CD4 count	Respondent reports a known CD4 count, either by exact number, or within a range (ie, 350-500, less than 200, etc)

Table 3. Odds ratios variables influencing client outcomes

	Odds Ratios of Improved Patient Outcomes			
	On ARV	On HAART	Adherent	Knows CD4
n	371	371	284	371
<i>Primary care is treatment adherence agency</i>	1.5	0.9	1.2	0.6
<i>Received treatment adherence service</i>	–	–	.5**	1.1
<i>Men (vs. women)</i>	2.4***	1.3	2.4***	0.9
<i>Black (vs. white)</i>	1.0	.5*	1.2	0.6
<i>Latino (vs. white)</i>	0.7	.5*	..9	0.8
<i>Former drug user (vs. never used)</i>	0.8	1.2	.5*	1.4
<i>Current drug user (vs. never used)</i>	0.6	1.0	.4*	1.2
<i>Diagnosed 1990-95 (vs. diagnosed 1980s)</i>	1.3	1.1	1.2	1.1
<i>Diagnosed 1996-2000 (vs. diagnosed 1980s)</i>	1.3	1.8 †	1.2	0.4 †
<i>Diagnosed 2001-2002 (vs. diagnosed 1980s)</i>	0.5	1.4	4.7 †	0.3
<i>Unstably housed</i>	0.7	.5*	0.7	0.6

† p < .1

* p < .05

** p < .01

*** p < .001