

Appendix D: Overview of the within domain variable investigations

Table s1: Overview of the within domain variable investigations

Domain	Stage (a) – variables missing data >15%	Stage (b) – Non-linear association with EIC (p<0.05) (continuous variables)	Stage (c)– association with time since AALPHI interview (p<0.05)	Stage (d) – examine pairs of variables for association (Cramer's V: ≥0.5 for 2 level categories, ≥0.35 if >2 levels)	Stage (e) – for associated pairs fit predictive model for EIC	Stage (f) - Compare models with AIC value
<i>A priori</i>	None	None	None	None	n/a	n/a
Sociodemographic	Fostered or adopted dropped (58%)	None	None	None	n/a	n/a
Risk behaviour practices	None	None	Age at first sex (p=0.04)	Ever smoked, current alcohol amount (Cramer's V=0.42)	Combined model stable, no interaction (p=0.18). Neither variable dropped	n/a
				Ever smoked, ever taken recreational drugs (Cramer's V=0.49)	Combined model stable, no interaction (p=0.67). Neither variable dropped	n/a
				Current alcohol amount, ever taken recreational drugs (Cramer's V=0.47)	No interaction found (p=0.11). Recreational drugs dropped because OR and SE changed on combined model and no association with EIC.	n/a
				Age at first sex, condom use (Cramer's V=0.71)	Variables shared a category (not sexually active) condom use stronger association with EIC	AIC lower for condom use (2294.771 vs 2305.752) Age at first sex dropped
Mental Health	None	None	None	Ever felt life was not worth living, Pediatric Quality of Life Inventory (Cramer's V=0.44)	Combined model stable no interaction (p=0.95). Neither variable dropped	n/a

				Ever felt life was not worth living, Rosenberg Self-Esteem Scale (Cramer's V=0.46)	Combined model stable no interaction (p=0.76). Neither variable dropped	n/a
				Ever felt life was not worth living, HADS anxiety (Cramer's V=0.41)	Combined model stable no interaction (p=0.17). Neither variable dropped	n/a
Cognition	None	None	None	n/a	n/a	n/a
Clinic	None	None	None	Distance to clinic, travel to time clinic (Cramer's V=0.74)	OR and SE changed in combined model, close association no interaction (p=0.16).	AIC lower for Travel time to clinic (2289.509 vs 2291.224) Distance to clinic dropped
HIV experience and management	None	None	None	Doses missed in last 3 days, self-assessment of adherence (Cramer's V=0.78)	Variables shared a category (not on ART) and close association	AIC lower for self-assessment of adherence (2367.317 vs. 2396.45) Doses missed in last 3 days dropped
HIV markers	None	None	None	Previous CDC C event, time on ART (Cramer's V=0.37)	Combined model stable no interaction (p=0.76). Neither variable dropped	n/a
				CD4 cell count, viral load (Cramer's V=0.45)	OR and SE changed. Strong association for viral load and EIC in all models. CD4 cell count dropped.	n/a