

## Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: McGrath N, Eaton JW, Newell M-L, Hosegood V. Migration, sexual behaviour, and HIV risk: a general population cohort in rural South Africa. *Lancet HIV* 2015; published online April 17. [http://dx.doi.org/10.1016/S2352-3018\(15\)00045-4](http://dx.doi.org/10.1016/S2352-3018(15)00045-4).

Supplemental table 1: Non-resident eligible population by return visit patterns, for each sex in each year

		Women							Men						
		2005	2006	2007	2008	2009	2010	2011	2005	2006	2007	2008	2009	2010	2011
<b>Among Non-Residents:</b>															
<b>Frequent return</b>	Eligible	1227	1151	1160	1019	789	573	701	1303	1259	1245	1075	775	648	678
	Sampled	152	189	125	190	186	186	199	145	198	123	188	182	190	199
	<i>Sampled %</i>	12%	16%	11%	19%	24%	32%	28%	11%	16%	10%	17%	23%	29%	29%
	<i>Contacted %</i>	72%	54%	58%	58%	55%	56%	41%	72%	46%	54%	64%	50%	52%	35%
	Participated	66	47	30	39	54	41	50	58	42	34	29	42	36	31
	<i>Participated %</i>	64%	46%	41%	35%	52%	39%	61%	59%	46%	52%	24%	46%	36%	44%
<b>Monthly return</b>	Eligible	977	879	743	619	541	488	439	1143	1065	920	744	651	597	523
	Sampled	172	181	152	192	185	200	205	169	223	173	195	184	201	205
	<i>Sampled %</i>	18%	21%	20%	31%	34%	41%	47%	15%	21%	19%	26%	28%	34%	39%
	<i>Contacted %</i>	49%	50%	43%	58%	51%	46%	40%	47%	37%	38%	48%	46%	48%	35%
	Participated	36	40	40	47	51	48	55	24	39	40	28	41	42	54
	<i>Participated %</i>	45%	44%	61%	42%	54%	52%	68%	32%	47%	61%	30%	48%	44%	76%
<b>Occasional return</b>	Eligible	1457	1466	1382	1247	1246	993	957	1754	1762	1582	1396	1502	1197	1071
	Sampled	152	172	154	173	157	189	196	162	149	167	178	153	191	200
	<i>Sampled %</i>	10%	12%	11%	14%	13%	19%	20%	9%	8%	11%	13%	10%	16%	19%
	<i>Contacted %</i>	52%	42%	47%	58%	57%	52%	37%	44%	39%	43%	52%	42%	49%	30%
	Participated	39	35	48	46	47	44	46	23	26	47	34	37	55	48
	<i>Participated %</i>	52%	48%	66%	46%	52%	44%	64%	34%	45%	66%	37%	57%	59%	81%
<b>Annual return</b>	Eligible	627	558	478	433	422	370	308	1399	1317	1142	1033	970	857	771
	Sampled	170	180	174	199	189	195	200	174	176	175	196	184	199	206
	<i>Sampled %</i>	27%	32%	36%	46%	45%	53%	65%	12%	13%	15%	19%	19%	23%	27%
	<i>Contacted %</i>	46%	39%	41%	54%	49%	42%	42%	49%	43%	38%	43%	38%	50%	33%
	Participated	35	44	38	51	64	48	61	29	36	42	39	44	52	49

	<i>Participated %</i>	46%	62%	54%	48%	69%	59%	73%	35%	48%	64%	46%	63%	53%	71%
<b>Other return pattern<sup>1</sup></b>	Eligible	2666	3278	3687	4042	4381	4939	5469	3379	4079	4775	5349	5868	6429	6885
	Sampled	165	177	79	178	156	185	201	168	189	88	181	154	191	200
	<i>Sampled %</i>	6%	5%	2%	4%	4%	4%	4%	5%	5%	2%	3%	3%	3%	3%
	<i>Contacted %</i>	46%	44%	58%	57%	40%	49%	42%	37%	42%	34%	46%	36%	40%	42%
	Participated	33	41	27	35	32	54	56	26	40	12	15	27	45	63
	<i>Participated %</i>	46%	53%	59%	34%	52%	59%	66%	44%	51%	40%	18%	49%	58%	76%
<b>Had a negative HIV test result within surveillance in previous 2 yrs</b>	Eligible	512	296	429	687	503	510	531	558	315	511	809	525	561	558
	<i>Contacted %</i>	62%	55%	51%	58%	61%	55%	45%	56%	50%	44%	48%	57%	56%	44%
	Participated	213	117	147	206	228	177	193	195	101	150	177	215	175	193
	<i>Participated %</i>	69%	72%	67%	52%	74%	63%	81%	64%	64%	67%	46%	72%	56%	78%

<sup>1</sup> There is a large group of non-residents whose return patterns are unpredictable or do not fall into the circular migration patterns that were common in the past.