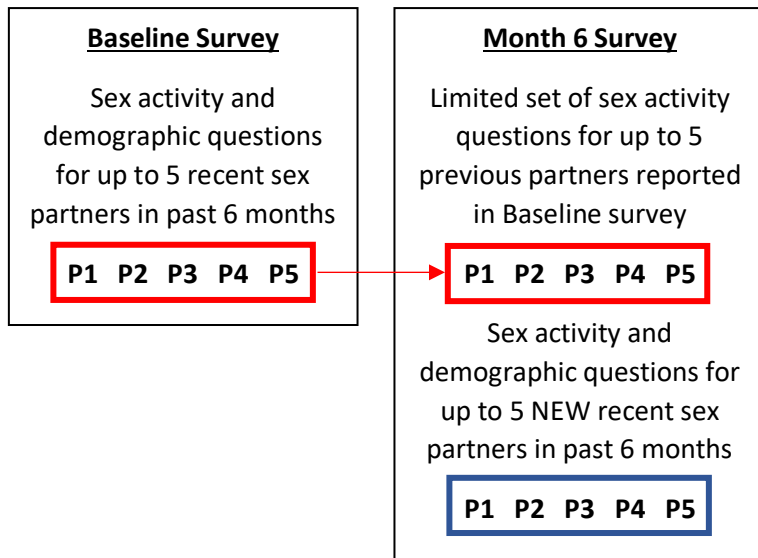


# **Assessment of Bias in Estimates of Sexual Network Degree using Prospective Cohort Data**

Supplemental Appendix

**eFigure 1.** Partner-Level Survey Questions in a Study of Black and White Men Who Have Sex with Men, Atlanta, 2010–2014.



#### Select Sex Activity Questions for Baseline Partners

Did you have sex with [name] once, or more than once during the last 6 months?

*Once*

*More than once*

When did you first have sex with [name]?

*Calendar date or month and year*

When did you last have sex with [name]?

*Calendar date or month and year*

Do you think you will have sex with [name] again?

*Yes*

*No*

*Not sure*

Is/was [NAME] someone that you feel or felt committed to above all others (someone you might call your boyfriend, significant other, life partner, or husband)?

*Yes*

*No*

*Don't know*

#### Select Sex Activity Questions for Previous Baseline Partners at Month 6

Since your last visit with us, have you had anal or oral sex with [name] again?

*Yes*

*No*

*I'm not sure who [name] is*

Have you had unprotected vaginal or anal sex with [name] since your last visit with us?

*Yes*

*No*

*Don't know*

Please enter the date of when you last had sex with [name].

The last time you had sex with [name], did you know his HIV status?

*Yes*

*No*

*Don't know*

What was [name]'s HIV status at that time?

*HIV negative*

*HIV positive*

Since your last visit with us, during the time period when you were sexually involved with [name], with how many other people did you have sex?

*Enter #*

Since your last visit with us, during the time period when you were sexually involved with [name], did [name] have sex with anyone else?

*Yes*

*No*

*Don't know*

In the last six months, how many times have you had anal sex with [name]?

*Dropdown menu options: 1,2,3,4,5,6,7,8,9,10, More than 10*

About how often did you have anal sex with [name] in the last six months?

*About once a month*

*2 or 3 times a month*

*About once a week*

*2 or 3 times a week*

*More than 3 times a week*

**eTable 1.** Distribution of Study Participants by Baseline and Confirmed Degree, by Partnership History, in a Study of Black and White Men Who Have Sex with Men, Atlanta, 2010–2014.

	Main or Casual (n = 405) <sup>1</sup>		Any Main (n = 220) <sup>2</sup>		Any Casual (n = 299) <sup>3</sup>	
	n	%	n	%	n	%
<b>Baseline Degree</b>						
<i>Unknown = No<sup>4</sup></i>						
0	159	39.3	97	44.1	145	48.5
1	176	43.5	119	54.1	110	36.8
2	49	12.1	4	1.8	30	10.0
3	15	3.7	0	0.0	10	3.3
4	5	1.2	0	0.0	3	1.0
5	1	0.2	0	0.0	1	0.3
<i>Unknown = Missing<sup>5</sup></i>						
0	64	27.6	56	32.2	51	31.9
1	117	50.4	114	65.6	71	44.4
2	34	14.7	4	2.3	26	16.2
3	11	4.7	0	0.0	8	5.0
4	5	2.2	0	0.0	3	1.9
5	1	0.4	0	0.0	1	0.6
<b>Confirmed Degree</b>						
0	219	54.1	121	55.0	191	63.9
1	147	36.3	96	43.6	89	29.8
2	32	7.9	3	1.4	16	5.4
3	7	1.7	0	0.0	3	1.0
4	0	0.0	0	0.0	0	0.0
5	0	0.0	0	0.0	0	0.0

<sup>1</sup> Study participants who had any main or any casual partnerships in the 6 months prior to the baseline survey; degree is the sum of main and casual partnerships that were ongoing

<sup>2</sup> Study participants who had any main partnerships in the 6 months prior to the baseline survey; degree is the sum of main partnerships that were ongoing

<sup>3</sup> Study participants who had any casual partnerships in the 6 months prior to the baseline survey; degree is the sum of casual partnerships that were ongoing

<sup>4</sup> Responses for unknown baseline degree were coded as not ongoing.

<sup>5</sup> Responses for unknown baseline degree were coded as missing and observations dropped from the model.

**eFigure 2.** Confirmed degree as a function of baseline degree, and race and age of the study participant. Dashed line with a slope of 1 displays the value where baseline degree perfectly predicts confirmed degree. Predictions below the dashed line indicate baseline degree overestimated confirmed degree. Lines/dots display the point estimates and grey polygons display the 95% confidence intervals around the estimates.

