

SURVEY MEASURES - Supplemental Digital Content (Glick et al)

Measure	Seattle Sex Survey (SSS) (heterosexual men and women)	Urban Men's Health Study (UMHS) (MSM)	Seattle MSM RDD (SEA-RDD) (MSM)
Age at sexual debut (with any partner)	*How old were you the first time you engaged in sexual activity (vaginal, oral, or anal)? (Q9)	*How old were you the first time you had sex of any kind with a male? (Q73) *How old were you the first time you had sex of any kind with a female? (Q76a)	n/a
	<i>Additional explanation: n/a</i>	<i>Additional explanation: Calculated the minimum age at first sex.</i>	<i>Additional explanation: n/a</i>
Age at sexual debut (with male partner)	n/a	*How old were you the first time you had sex of any kind with a male? (Q73)	*How old were you when you first had sex with another man? (Q186, 2006 only)
	<i>Additional explanation: n/a</i>	<i>Additional explanation: n/a</i>	<i>Additional explanation: n/a</i>
Age at sexual debut (anal sex with any/male partner)	n/a	*How old were you the first time you had insertive anal intercourse with anyone? (Q79a) *How old were you the first time you had receptive anal intercourse? (Q80)	*How old were you when you first had anal sex with another man? (Q188, 2006 only)
	<i>Additional explanation: n/a</i>	<i>Additional explanation: Calculated the minimum age at first anal sex with any partner.</i>	<i>Additional explanation: n/a</i>

*For UMHS, used most recent partner data if most recent partner was male.

*For SEA-RDD, most recent partner data only included male anal sex partners.

SURVEY MEASURES - Supplemental Digital Content (Glick et al)

Measure	Seattle Sex Survey (SSS) (heterosexual men and women)	Urban Men's Health Study (UMHS) (MSM)	Seattle MSM RDD (SEA-RDD) (MSM)
<p>Number of partners (lifetime)</p>	<p>*With about how many people have you engaged in sexual activity in your lifetime? (Q10)</p>	<p>*Before you turned 18, how many people did you have sex with? (Q67a, Q67b/c/d - ballpark estimate)</p> <p>*From your 18th birthday to the present, how many people have you had sex with? (Q69a, Q69b/c/d - ballpark estimate)</p>	<p>n/a</p>
	<p><i>Additional explanation: n/a</i></p>	<p><i>Additional explanation: Summed number of partners before and after age 18. Variable was coded as missing if either value was missing.</i></p>	<p><i>Additional explanation: n/a</i></p>
<p>Number of partners (past year)</p>	<p>*In the past 12 months, from (month) 2002 until now, with how many people have you engaged in sexual activity? (Q14)</p>	<p>*In the past 12 months, how many men have you had sex with? (Q15a)</p> <p>*In the past 12 months, how many women have you had sex with? (Q16a)</p>	<p>Q81 - In the last 12 months, how many different men have you had sex with?</p>
	<p><i>Additional explanation: n/a</i></p>	<p><i>Additional explanation: Summed the number of male and female partners.</i></p>	<p><i>Additional explanation: Included only male partners.</i></p>
<p>Partnership formation and cessation of new partner recruitment (time since the start of last partnership)</p>	<p>*On what date (month/day/year) did you first engage in sexual activity with <Partner>? (Q30, Q31, Q32 - asked for up to 5 most recent partners)</p>	<p>*Were you having sex with <Partner> anytime prior to the past 12 months? (Q34 - asked for up to 4 most recent partners)</p> <p>*How long in total have you been having sex with <Partner>? (Q35)</p>	<p>*How long ago did you first have anal sex with him (partner)? (Q109 - asked for up to 3 most recent male anal sex partners)</p>
	<p><i>Additional explanation: As described in Nelson et al (Ann Epidemiol 2010), missing start date data were imputed. Using all available partnerships, calculated the time since the start of the most recently formed partnership.</i></p>	<p><i>Additional explanation: Using all available partnerships, estimated the time since the start of the most recently formed partnership. If the answer to the question above was 'no', this indicated that the partnership was new in the past year.</i></p>	<p><i>Additional explanation: Using all available partnerships, calculated the time since the start of the most recently formed male anal sex partnership.</i></p>

*For UMHS, used most recent partner data if most recent partner was male.

*For SEA-RDD, most recent partner data only included male anal sex partners.

SURVEY MEASURES - Supplemental Digital Content (Glick et al)

Measure	Seattle Sex Survey (SSS) (heterosexual men and women)	Urban Men's Health Study (UMHS) (MSM)	Seattle MSM RDD (SEA-RDD) (MSM)
<p>No sex in the past year</p>	<p>*Have you ever engaged in sexual activity -- that is oral, vaginal, or anal intercourse? (Q8)</p> <p>*In the past 12 months, with how many people have you engaged in sexual activity? (Q14)</p>	<p>*In the past 12 months did you have sex with only men, only women, both men and women, or did not have sex in the last 12 month? (Q14)</p>	<p>*In the last 12 months, how many different men have you had sex with? (Q81)</p>
	<p><i>Additional explanation:</i> n/a</p>	<p><i>Additional explanation:</i> n/a</p>	<p><i>Additional explanation:</i> Included only male partners.</p>
<p>Years of new partner acquisition (time between sexual debut and most recently formed partnership)</p>	<p>Calculated the difference between time since the start of the most recently formed partnership (see above) and age at sexual debut (see above).</p>	<p>Calculated the difference between time since the start of the most recently formed partnership (see above) and age at sexual debut with any partner (see above).</p>	<p>Calculated the difference between time since the start of the most recently former male anal sex partnership (see above) and age at sexual debut with a male partner (see above, 2006 data only).</p>
	<p><i>Additional explanation:</i> Restricted to participants who reported any sexual partner in the past year.</p>	<p><i>Additional explanation:</i> Restricted to participants who reported any male sexual partner in the past year.</p>	<p><i>Additional explanation:</i> Restricted to participants who reported any male sexual partner in the past year.</p>
<p>Mixing by age (with most recent partner)</p>	<p>*How old would <Ptnr> be today? (Q40)</p>	<p>*How old is <Partner>? (Q42)</p>	<p>*About how old is he (partner)? (Q83)</p>
	<p><i>Additional explanation:</i> Calculated if partner's age was within 5 or 10 years of participant's age at interview. Restricted to participants who reported any sexual partner in the past year.</p>	<p><i>Additional explanation:</i> Calculated if partner's age was within 5 or 10 years of participant's age at interview. Restricted to participants who reported any male sexual partner in the past yr.</p>	<p><i>Additional explanation:</i> Calculated if partner's age was within 5 or 10 years of participant's age at interview. Restricted to participants who reported any male sexual partner in the past yr.</p>

*For UMHS, used most recent partner data if most recent partner was male.

*For SEA-RDD, most recent partner data only included male anal sex partners.

SURVEY MEASURES - Supplemental Digital Content (Glick et al)

Measure	Seattle Sex Survey (SSS) (heterosexual men and women)	Urban Men's Health Study (UMHS) (MSM)	Seattle MSM RDD (SEA-RDD) (MSM)
<p>Condom use (with most recent partner)</p>	<p>*In a typical 4 week period when you engaged in vaginal intercourse with <Partner>, how frequently did you use condoms - never, sometimes frequently, or always? (Q56 - if partnership duration >4 weeks)</p> <p>*All together, about how many times did you engage in vaginal intercourse with <Partner>? (Q68 - if partnership duration <4 weeks)</p> <p>*Of the <#> times you engaged in vaginal intercourse with <Partner>, how many times did you use a condom - never, sometimes frequently, or always? (Q69 - if partnership duration <4 weeks)</p>	<p>*In the past 12 months, how many times have you had insertive/receptive anal intercourse with <Partner>? (Q37/38a)</p> <p>*In the past 12 months, how many times have you used condoms during insertive/receptive anal intercourse with <Partner>? (Q37/38b)</p>	<p>*When you were a bottom with him (partner), how often did you use condoms - never, sometimes, usually, or always? (Q92)</p> <p>*When you were a top with him (partner), how often did you use condoms - never, sometimes, usually, or always? (Q94)</p>
	<p><i>Additional explanation:</i> Categorized as always vs. not always. If partnership duration was <4 weeks, calculated if all acts used a condom. Restricted to participants who reported any sexual partner in the past year.</p>	<p><i>Additional explanation:</i> Categorized as always vs. not always. Restricted to participants who reported any male sexual partner in the past year.</p>	<p><i>Additional explanation:</i> Categorized as always vs. not always. Only includes 2006 data. Restricted to participants who reported any male sexual partner in the past year.</p>
<p>Sex partner concurrency (during last year)</p>	<p>Start and end dates includes month, day, and year. Calculated if there was any overlap between the start and end dates of partnerships that occurred at all in the past year.</p>	<p>Start and dates included month and year. Calculated if there was any overlap between the start and end dates of partnerships that occurred at all in the past year.</p>	<p>Start and end dates were defined by months since the partnership started and ended. Calculated if there was any overlap between the start and end dates of male anal sex partnerships that occurred at all in the past year.</p>
	<p><i>Additional explanation:</i> n/a</p>	<p><i>Additional explanation:</i> n/a</p>	<p><i>Additional explanation:</i> n/a</p>

*For UMHS, used most recent partner data if most recent partner was male.

*For SEA-RDD, most recent partner data only included male anal sex partners.

SURVEY MEASURES - Supplemental Digital Content (Glick et al)

Measure	Seattle Sex Survey (SSS) (heterosexual men and women)	Urban Men's Health Study (UMHS) (MSM)	Seattle MSM RDD (SEA-RDD) (MSM)
<p>Partner meeting place (with most recent partner)</p>	<p>*How did you first meet <Partner> - at work, at school or school-related activity, at church or church-related activity, through personal ads or a dating service, on the Internet, on a vacation or business trip, at a bar or night club, at a health club or gym, at a social organization or volunteer-service activity, at a private party, through friends or family, or in some other way? (Q19)</p>	<p>*Did you first meet <Partner> - at a party; through a friend; at work; at a bar, night club, or dance club; through a dating service, personal ad, or computer chat room; at a sex club or a bath house; through an escort or massage service, or a telephone sex line; at a health club or gym, or social club; at school; while cruising; through family; at a place of worship; while traveling; or some other way? (Q31)</p>	<p>Where did you meet <Partner> - work, bar/dance club, bath house/sex club, gay community activity, gym, hobby or sports activity, park or beach, party at someone's home, circuit party/dance/rave or some other party where you paid admission, personal ad/dating service, street/neighborhood, telephone sex line, Internet/online, video store/adult bookstore, through a friend, or other? (Q85)</p>
	<p><i>Additional explanation:</i> Categorized as social network (work, school, church, social organization or volunteer activity, private party, friends, or family), less formal network (personal ads or dating service, Internet, vacation, bar or night club, or gym), or other. Restricted to participants who reported any sexual partner in the past year.</p>	<p><i>Additional explanation:</i> Categorized as social network (work, school, place of worship, party, friends, or family), less formal network (dating service or personal ads or computer chat room, traveling, bar or night club, gym, sex club or bath house, escort service or telephone sex line, or while cruising), or other. Restricted to participants who reported any male sexual partner in the past year.</p>	<p><i>Additional explanation:</i> Categorized as social network (work, gay community activity, party at someone's home, or friends), less formal network (personal ad/dating service, Internet, bar/dance club, gym, bath house/sex club, telephone sex line, hobby or sports activity, park or beach, circuit party/dance/rave, street/neighborhood, or video store/adult bookstore), or other. Restricted to participants who reported any male sexual partner in the past year.</p>

*For UMHS, used most recent partner data if most recent partner was male.

*For SEA-RDD, most recent partner data only included male anal sex partners.