

# Vital Statistics 2007 The UK Gay Men's Sex Survey

## Scotland NHS Health Boards of residence data report

(January 2009: Version 2)

**Important Note:** This report supercedes the GMSS'07 local data reports released in August 2008. Subsequent to that release of data we identified a problem with a number of cases which we believe to have been falsified. The false cases seemed to be an attempt to systematically skew the findings in a particular area of the survey, but provided incomplete data in other areas. In order to exclude as many of these false cases as possible, while retaining valid cases, we tightened the inclusion criteria and excluded all cases missing responses for any of 31 survey items. This resulted in the loss of 29% of all cases, which accounts for the reduction in cases in the report compared with the earlier data release. This has been necessary for us to continue to have confidence in the data that remains.

This report uses data from the UK *Gay Men's Sex Survey* 2007, conducted by Sigma Research in collaboration with health promoters throughout the UK. It supplements the main survey report which will be published in April 2009. Survey methods and interpretation of the variables will be outlined in that report.

This data is intended to provide HIV health promotion planners with information about their local population of gay men and bisexual men. The report contains data from men who live in Scotland and for whom NHS Health Board of residence is known. Respondents are grouped according to the Health Board in which they live.

There are also whole country reports for England, Wales, Northern Ireland and the Republic of Ireland, with men grouped according to their region of residence. There are also individual data reports for each Strategic Health Authority (SHA) in England, with men grouped according to their Primary Care Trust (PCT) of residence. These, and similar reports for previous years, are available at: [www.sigmaresearch.org.uk/go.php/local/gay](http://www.sigmaresearch.org.uk/go.php/local/gay)

### *The data*

The survey used two data collection methods over the summer of 2007: a self-sealing, Freepost addressed booklet distributed by health promotion agencies; and via a specific website promoted via links on gay and HIV-related websites.

This report contains data from all the men recruited through both methods. To be included in the sample respondents had to: be male; be aged 14 or over; be living in the UK; have had sex with a man in the last year or have a gay, bisexual or other "queer" identity; have completed at least one demographic question and one other question. Differences between the number of surveys returned and the number of men who appear in the sample are due to these exclusions.

### *The tables*

Groups of men living in the same NHS Health Board appear as a row (horizontal line) in the tables. The bottom row of each table gives the result for all men living in Scotland. The first table shows the number of men recruited to the survey living in each Health Board and the size of the sub-samples in the rest of the tables. Health Boards with fewer than 20 men in the sample are reported as "all other Scottish men". The tables show the proportions (%) of each sub-sample for that variable (less missing data). Rows add up to 100%. The only exception to this layout is table 3, Age averages.

### *Questionnaires*

The contents page identifies the Booklet question number (Q) each table is derived from. The questionnaire used in the survey is available to download at: [www.sigmaresearch.org.uk/files/VS2007booklet.pdf](http://www.sigmaresearch.org.uk/files/VS2007booklet.pdf)

### *Funding*

The survey was funded by Terrence Higgins Trust as part of CHAPS, a national HIV prevention initiative funded by the English Department of Health and the National Assembly for Wales. Online recruitment occurred in England, Wales, Scotland, Northern Ireland and the Republic of Ireland. Booklet recruitment occurred in England and Wales.



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## SAMPLE DESCRIPTION

### 1. Web and booklet sample sizes by NHS Health Board of residence.

Count

	Distribution method		Total
	Web	Booklet	
Lothian	88	3	91
Orkney	1	0	1
Shetland	1	0	1
Tayside	17	0	17
Lanarkshire	23	1	24
Ayrshire & Arran	9	0	9
Borders	2	0	2
Dumfries & Galloway	2	0	2
Fife	14	1	15
Forth Valley	8	0	8
Grampian	24	0	24
Grt. Glasgow & Clyde	81	4	85
Highland	5	0	5
All other Scottish men	3	0	3
Total	278	9	287

### 2. Age groups.

% within Health Board of residence

	Age in 10s					Total
	<20	20s	30s	40s	50+	
Lothian	4.4%	45.1%	27.5%	15.4%	7.7%	100.0%
Lanarkshire	8.3%	45.8%	29.2%	12.5%	4.2%	100.0%
Grampian	8.3%	33.3%	20.8%	29.2%	8.3%	100.0%
Grt. Glasgow & Clyde	11.8%	42.4%	27.1%	11.8%	7.1%	100.0%
All other Scottish men	19.0%	31.7%	22.2%	11.1%	15.9%	100.0%
Total	10.5%	40.4%	25.8%	14.3%	9.1%	100.0%

### 3. Age averages.

Age

Health Board of residence	Median	Minimum	Maximum	Mean	Std. Deviation
Lothian	31.00	17	62	31.92	10.422
Lanarkshire	28.00	18	53	30.33	9.716
Grampian	34.00	18	70	34.50	13.600
Grt. Glasgow & Clyde	27.00	16	61	30.33	10.499
All other Scottish men	29.00	16	73	32.68	14.211
Total	29.00	16	73	31.70	11.593

#### 4. Ethnicity in 6 groups.

% within Health Board of residence

	Ethnicity					Total
	White other	Asian	Mixed	Other	White British	
Lothian	20.9%	1.1%		1.1%	76.9%	100.0%
Lanarkshire			4.2%		95.8%	100.0%
Grampian	4.2%				95.8%	100.0%
Grt. Glasgow & Clyde	12.9%	1.2%	3.5%	1.2%	81.2%	100.0%
All other Scottish men	4.8%	1.6%		1.6%	92.1%	100.0%
Total	11.8%	1.0%	1.4%	1.0%	84.7%	100.0%

#### 5. Sexual identity.

% within Health Board of residence

	Sexual identity				Total
	Gay	Bisexual	I don't usually use a term	Any other term	
Lothian	82.4%	12.1%	5.5%		100.0%
Lanarkshire	91.7%	4.2%	4.2%		100.0%
Grampian	66.7%	25.0%	4.2%	4.2%	100.0%
Grt. Glasgow & Clyde	83.5%	7.1%	9.4%		100.0%
All other Scottish men	74.6%	15.9%	7.9%	1.6%	100.0%
Total	80.5%	11.8%	7.0%	.7%	100.0%

#### 6. Gender of sexual partners in the last year.

% within Health Board of residence

	Gender of sexual partners				Total
	No one	Women only	Both men and women	Men only	
Lothian	4.4%		8.8%	86.8%	100.0%
Lanarkshire	8.3%		8.3%	83.3%	100.0%
Grampian	4.2%		12.5%	83.3%	100.0%
Grt. Glasgow & Clyde	10.6%		11.8%	77.6%	100.0%
All other Scottish men	9.5%	1.6%	14.3%	74.6%	100.0%
Total	7.7%	.3%	11.1%	80.8%	100.0%

#### 7. Marriage / civil partnership status.

% within Health Board of residence

	Legal partnership status			Total
	in a civil partnership with a man	in a marriage with a woman	in neither of these	
Lothian	8.8%	3.3%	87.9%	100.0%
Lanarkshire	4.2%		95.8%	100.0%
Grampian		12.5%	87.5%	100.0%
Grt. Glasgow & Clyde	2.4%	1.2%	96.5%	100.0%
All other Scottish men	3.2%	3.2%	93.7%	100.0%
Total	4.5%	3.1%	92.3%	100.0%

## 8. Sero-discordancy with male regular partner.

% within Health Board of residence

	HIV serodiscordancy with male partner			Total
	Not in sero-discordant relationship	In sero-discordant relationship	Don't know if sero-discordant	
Lothian	87.9%	3.3%	8.8%	100.0%
Lanarkshire	83.3%	4.2%	12.5%	100.0%
Grampian	83.3%	4.2%	12.5%	100.0%
Grt. Glasgow & Clyde	88.2%	2.4%	9.4%	100.0%
All other Scottish men	84.1%	3.2%	12.7%	100.0%
Total	86.4%	3.1%	10.5%	100.0%

## HIV TESTING & HEPATITIS SUSCEPTIBILITY

### 9. HIV testing history.

% within Health Board of residence

	HIV testing history			Total
	Never tested	Tested negative	Tested positive	
Lothian	31.9%	62.6%	5.5%	100.0%
Lanarkshire	54.2%	41.7%	4.2%	100.0%
Grampian	41.7%	54.2%	4.2%	100.0%
Grt. Glasgow & Clyde	49.4%	48.2%	2.4%	100.0%
All other Scottish men	61.9%	34.9%	3.2%	100.0%
Total	46.3%	49.8%	3.8%	100.0%

### 10. Hepatitis B susceptibility.

% within Health Board of residence

	Hepatitis B susceptibility		Total
	Susceptible	Not Susceptible	
Lothian	49.5%	50.5%	100.0%
Lanarkshire	83.3%	16.7%	100.0%
Grampian	66.7%	33.3%	100.0%
Grt. Glasgow & Clyde	55.3%	44.7%	100.0%
All other Scottish men	73.0%	27.0%	100.0%
Total	60.6%	39.4%	100.0%

### 11. Hepatitis A susceptibility.

% within Health Board of residence

	Hepatitis A susceptibility		Total
	Susceptible	Not Susceptible	
Lothian	61.5%	38.5%	100.0%
Lanarkshire	79.2%	20.8%	100.0%
Grampian	87.5%	12.5%	100.0%
Grt. Glasgow & Clyde	75.3%	24.7%	100.0%
All other Scottish men	82.5%	17.5%	100.0%
Total	73.9%	26.1%	100.0%

## SEXUAL BEHAVIOUR

### 12. Number of male sexual partners in the last year.

% within Health Board of residence

	Number of male sexual partners in the last year						Total
	None	One	2,3 or 4	5 to 12	13 to 29	30 or more	
Lothian	4.4%	31.1%	17.8%	24.4%	13.3%	8.9%	100.0%
Lanarkshire	8.3%	29.2%	37.5%	20.8%		4.2%	100.0%
Grampian	4.2%	29.2%	37.5%	25.0%	4.2%		100.0%
Grt. Glasgow & Clyde	10.6%	24.7%	22.4%	22.4%	15.3%	4.7%	100.0%
All other Scottish men	11.1%	28.6%	30.2%	9.5%	11.1%	9.5%	100.0%
Total	8.0%	28.3%	25.2%	20.3%	11.5%	6.6%	100.0%

### 13. Met new male sexual partner/s in last year.

% within Health Board of residence

	Met new male partner		Total
	No	Yes	
Lothian	24.1%	75.9%	100.0%
Lanarkshire	27.3%	72.7%	100.0%
Grampian	17.4%	82.6%	100.0%
Grt. Glasgow & Clyde	18.4%	81.6%	100.0%
All other Scottish men	23.2%	76.8%	100.0%
Total	22.0%	78.0%	100.0%

### 14. Unprotected anal intercourse (UAI) in the previous year with partners whose HIV status was unknown or discordant.

% within Health Board of residence

	UAI with partners of unknown or discordant status				Total
	Not done	Insertive only	Receptive only	Both Insertive and Receptive	
Lothian	75.6%	10.0%	6.7%	7.8%	100.0%
Lanarkshire	75.0%		8.3%	16.7%	100.0%
Grampian	83.3%	8.3%		8.3%	100.0%
Grt. Glasgow & Clyde	75.3%	8.2%	7.1%	9.4%	100.0%
All other Scottish men	73.0%	3.2%	11.1%	12.7%	100.0%
Total	75.5%	7.0%	7.3%	10.1%	100.0%

**15. Perceived HIV transmission risk in the last year (for all men).**

% within Health Board of residence

	HIV transmission risk in last year		Total
	No	Yes	
Lothian	65.9%	34.1%	100.0%
Lanarkshire	66.7%	33.3%	100.0%
Grampian	75.0%	25.0%	100.0%
Grt. Glasgow & Clyde	69.4%	30.6%	100.0%
All other Scottish men	74.6%	25.4%	100.0%
Total	69.7%	30.3%	100.0%



## HEALTH NEEDS

### 16. Ever heard of PEP.

% within Health Board of residence

	Heard of PEP		Total
	No	Yes	
Lothian	48.4%	51.6%	100.0%
Lanarkshire	41.7%	58.3%	100.0%
Grampian	58.3%	41.7%	100.0%
Grt. Glasgow & Clyde	52.9%	47.1%	100.0%
All other Scottish men	66.7%	33.3%	100.0%
Total	54.0%	46.0%	100.0%

### 17. Any concern about your alcohol use.

% within Health Board of residence

	Any concern about alcohol use		Total
	No	Yes	
Lothian	86.8%	13.2%	100.0%
Lanarkshire	95.8%	4.2%	100.0%
Grampian	91.7%	8.3%	100.0%
Grt. Glasgow & Clyde	89.3%	10.7%	100.0%
All other Scottish men	88.9%	11.1%	100.0%
Total	89.2%	10.8%	100.0%

### 18. Any concern about your drug use.

% within Health Board of residence

	Any concern about drug use		Total
	No	Yes	
Lothian	94.5%	5.5%	100.0%
Lanarkshire	95.8%	4.2%	100.0%
Grampian	91.7%	8.3%	100.0%
Grt. Glasgow & Clyde	96.4%	3.6%	100.0%
All other Scottish men	92.1%	7.9%	100.0%
Total	94.4%	5.6%	100.0%

### 19. I would sometimes rather risk HIV transmission than use a condom.

% within Health Board of residence

	Sometimes rather risk HIV transmission than use a condom					Total
	Strongly agree	Agree	Not sure	Disagree	Strongly disagree	
Lothian	4.4%	7.7%	3.3%	24.2%	60.4%	100.0%
Lanarkshire	4.2%	8.3%	8.3%	20.8%	58.3%	100.0%
Grampian			4.2%	25.0%	70.8%	100.0%
Grt. Glasgow & Clyde	1.2%	7.1%	7.1%	12.9%	71.8%	100.0%
All other Scottish men	3.2%	11.1%	11.1%	27.0%	47.6%	100.0%
Total	2.8%	7.7%	6.6%	21.3%	61.7%	100.0%

## 20. I can talk to my friends about safer sex and HIV

% within Health Board of residence

	I can talk to my friends about safer sex and HIV					Total
	Strongly agree	Agree	Not sure	Disagree	Strongly disagree	
Lothian	36.3%	42.9%	13.2%	4.4%	3.3%	100.0%
Lanarkshire	25.0%	41.7%	12.5%	12.5%	8.3%	100.0%
Grampian	25.0%	25.0%	37.5%	4.2%	8.3%	100.0%
Grt. Glasgow & Clyde	41.2%	38.8%	14.1%	4.7%	1.2%	100.0%
All other Scottish men	22.2%	42.9%	15.9%	12.7%	6.3%	100.0%
Total	32.8%	40.1%	16.0%	7.0%	4.2%	100.0%

## 21. I have someone to talk to if I'm worried about safer sex and HIV.

% within Health Board of residence

	I have someone to talk to if I'm worried about safer sex and HIV.					Total
	Strongly agree	Agree	Not sure	Disagree	Strongly disagree	
Lothian	34.1%	36.3%	16.5%	13.2%		100.0%
Lanarkshire	29.2%	37.5%	12.5%	12.5%	8.3%	100.0%
Grampian	25.0%	12.5%	33.3%	12.5%	16.7%	100.0%
Grt. Glasgow & Clyde	40.0%	38.8%	11.8%	8.2%	1.2%	100.0%
All other Scottish men	25.4%	42.9%	15.9%	7.9%	7.9%	100.0%
Total	32.8%	36.6%	16.0%	10.5%	4.2%	100.0%

## 22. If I wanted to know something about safer sex or HIV, I'd know how to find the answer.

% within Health Board of residence

	If I wanted to know something about safer sex or HIV, I'd know how to find the answer.					Total
	Strongly agree	Agree	Not sure	Disagree	Strongly disagree	
Lothian	41.8%	48.4%	7.7%	2.2%		100.0%
Lanarkshire	41.7%	33.3%	25.0%			100.0%
Grampian	37.5%	37.5%	16.7%		8.3%	100.0%
Grt. Glasgow & Clyde	51.8%	36.5%	7.1%	1.2%	3.5%	100.0%
All other Scottish men	38.1%	44.4%	14.3%	1.6%	1.6%	100.0%
Total	43.6%	41.8%	11.1%	1.4%	2.1%	100.0%

## 23. How easy do you find it to decline sexual contact from other men?

% within Health Board of residence

	Ease of declining sexual contact from other men				Total
	Very easy	Quite easy	Quite difficult	Very difficult	
Lothian	33.0%	39.6%	20.9%	6.6%	100.0%
Lanarkshire	45.8%	33.3%	20.8%		100.0%
Grampian	20.8%	54.2%	25.0%		100.0%
Grt. Glasgow & Clyde	29.4%	45.9%	18.8%	5.9%	100.0%
All other Scottish men	33.3%	38.1%	20.6%	7.9%	100.0%
Total	32.1%	41.8%	20.6%	5.6%	100.0%

**24. How easy is it for you to have safer sex during sexual encounters?**

% within Health Board of residence

	Ease of having safer sex during sexual encounters				Total
	Very easy	Quite easy	Quite difficult	Very difficult	
Lothian	54.9%	34.1%	6.6%	4.4%	100.0%
Lanarkshire	50.0%	37.5%	12.5%		100.0%
Grampian	37.5%	62.5%			100.0%
Grt. Glasgow & Clyde	50.6%	41.2%	8.2%		100.0%
All other Scottish men	46.0%	34.9%	12.7%	6.3%	100.0%
Total	49.8%	39.0%	8.4%	2.8%	100.0%

**25. How easy is it for you to negotiate the sex that you want?**

% within Health Board of residence

	Ease of negotiating sex that is wanted				Total
	Very easy	Quite easy	Quite difficult	Very difficult	
Lothian	37.4%	48.4%	14.3%		100.0%
Lanarkshire	25.0%	50.0%	20.8%	4.2%	100.0%
Grampian	25.0%	45.8%	29.2%		100.0%
Grt. Glasgow & Clyde	31.8%	52.9%	12.9%	2.4%	100.0%
All other Scottish men	38.1%	34.9%	23.8%	3.2%	100.0%
Total	33.8%	46.7%	17.8%	1.7%	100.0%

**26. How easy is it for you to maintain condom use in your sexual encounters?**

% within Health Board of residence

	Ease of maintaining condom use in sexual encounters				Total
	Very easy	Quite easy	Quite difficult	Very difficult	
Lothian	45.1%	42.9%	7.7%	4.4%	100.0%
Lanarkshire	37.5%	50.0%	12.5%		100.0%
Grampian	29.2%	58.3%	12.5%		100.0%
Grt. Glasgow & Clyde	45.9%	43.5%	8.2%	2.4%	100.0%
All other Scottish men	38.1%	34.9%	22.2%	4.8%	100.0%
Total	41.8%	43.2%	11.8%	3.1%	100.0%

<ENDS>