

# Vital Statistics 2008 The UK *Gay Men's Sex Survey*

## Wales Health Board of residence data report (December 2009)

This report uses data from the UK *Gay Men's Sex Survey* (GMSS) 2008, conducted by Sigma Research in collaboration with health promoters throughout the UK. It supplements the main survey report which will be published in early 2010. 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 Wales and for whom Health Board of residence is known. Respondents are grouped according to the Health Board in which they live. There is a separate report for Wales with data presented by the three Regional Units of residence.

There are also whole country reports for England, Scotland, 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 2008 reports, and similar reports for previous years, are available at:  
[www.sigmaresearch.org.uk/gmss/go.php/year](http://www.sigmaresearch.org.uk/gmss/go.php/year)

### *The data*

The survey used two data collection methods over the summer of 2008: 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 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 Wales. The first table shows the number of men recruited to the survey living in Health Board areas 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 Welsh 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/VS2008booklet.pdf](http://www.sigmaresearch.org.uk/files/VS2008booklet.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. Online recruitment occurred in England, Wales, Scotland, Northern Ireland and the Republic of Ireland. Booklet recruitment only occurred in England and Wales.



## Table Contents

### **SAMPLE DESCRIPTION**

1. Web and booklet sample sizes by Wales Health Board of residence
2. Age, in 5 groups (Q6)
3. Age averages (Q6)
4. Ethnicity, in 6 groups (Q7)
5. Highest education qualification (Q8)
6. Sexual identity(Q9)
7. Trans male status (Q1)
8. Gender of sexual partners in the last year (Q23)
9. Marriage / Civil partnership status (Q16)
10. Sero-discordancy with male regular partner (Q11 & Q13)
11. Sexuality disclosure (outness to family, friends & workmates) score average (range 0 = out to none - 12 = out to all, or almost all) (Q10)
12. Living arrangements (Q14)

### **HIV INFECTION (AND TESTING INTERVENTION PERFORMANCE)**

13. HIV testing history (Q17 & Q18)
14. Self rating of HIV transmission probability amongst homosexually active men in the last year(Q17 & Q42)

### **RISK BEHAVIOURS**

15. Number of male sexual partners in the last year (Q24)
16. Number of male unprotected anal intercourse partners amongst homosexually active men in the last year (Q26 & Q23)
17. Use of Nitrite inhalants (poppers) (Q44 & Q45 & Q46 & Q47)
18. Use of anabolic steroids (Q49)

### **PREVENTION NEEDS**

19. Sexual behavioural intention on partner's positive disclosure (Q43 & Q17) (among men not tested positive)
20. Knowledge that poppers increase transmission probability (Q48)
21. Knowledge that HIV, Hep B & C may be transmitted from shared injecting equipment when using anabolic steroids (Q52a)
22. Knowledge that anabolic steroid use is linked to heart disease (Q52b)
23. Knowledge that concurrent stimulant and anabolic steroid use increases heart attack risk (q52c)
24. Knowledge that non-prescribed anabolic steroids dosage may vary from that labelled (Q52d)

Sigma Research  
University of Portsmouth  
77a Tradescant Road  
London, SW8 1XJ  
020-7820 8022  
[David.Reid@sigmaresearch.org.uk](mailto:David.Reid@sigmaresearch.org.uk)  
[www.sigmaresearch.org.uk](http://www.sigmaresearch.org.uk)  
[www.gmss.org.uk](http://www.gmss.org.uk)

# SAMPLE DESCRIPTION

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

Count

	Distribution method		Total
	Web	Booklet	
Anglesey	2	4	6
Blaenau Gwent	6	1	7
Bridgend	7	4	11
Caerphilly	11	5	16
Cardiff	50	37	87
Carmarthenshire	23	6	29
Ceredigion	8	3	11
Conwy	2	0	2
Denbigshire	5	2	7
Flintshire	2	1	3
Gwynedd	9	8	17
Merthyr Tydfil	2	1	3
Monmouthshire	0	4	4
Neath Port Talbot	16	0	16
Newport	6	11	17
Pembrokeshire	5	0	5
Powys	6	2	8
Rhondda Cynon Taff	11	5	16
Swansea	63	11	74
Torfaen	3	4	7
Vale of Glamorgan	8	4	12
Wrexham	9	1	10
Board Unknown	6	6	12
Total	260	120	380

## 2. Age, in 5 groups (Q6)

% within LHB area of residence (Wales)

	Age, in 5 groups (Q6)					Total
	<20	20s	30s	40s	50+	
Cardiff	6.9%	40.2%	28.7%	14.9%	9.2%	100.0%
Carmarthenshire	10.7%	57.1%	3.6%	25.0%	3.6%	100.0%
Swansea	14.9%	41.9%	23.0%	12.2%	8.1%	100.0%
All Other Welsh Men	7.9%	40.0%	20.0%	17.9%	14.2%	100.0%
Total	9.2%	41.7%	21.4%	16.6%	11.1%	100.0%

## 3. Age averages (Q6)

Age averages (Q6)

LHB area of residence	Median	Mean	Minimum	Maximum	Std. Deviation
Cardiff	30.0000	32.8736	17.00	62.00	11.13741
Carmarthenshire	23.0000	28.2857	14.00	50.00	10.67658
Swansea	27.0000	30.7432	17.00	63.00	11.78815
All Other Welsh Men	30.0000	34.1632	17.00	69.00	13.09589
Total	29.0000	32.7652	14.00	69.00	12.33785

#### 4. Ethnicity, in 6 groups (Q7)

% within LHB area of residence (Wales)

	Ethnicity, in 6 groups (Q7)					Total
	White British	White other	Asian	Mixed	Other	
Cardiff	92.0%	4.6%		1.1%	2.3%	100.0%
Carmarthenshire	82.8%	3.4%	6.9%		6.9%	100.0%
Swansea	98.6%			1.4%		100.0%
All Other Welsh Men	96.8%	1.1%	.5%	1.1%	.5%	100.0%
Total	95.0%	1.9%	.8%	1.1%	1.3%	100.0%

#### 5. Highest education qualification (Q8)

% within LHB area of residence (Wales)

	Highest education qualification (Q8)			Total
	Low	Medium	High	
Cardiff	21.2%	28.2%	50.6%	100.0%
Carmarthenshire	31.0%	34.5%	34.5%	100.0%
Swansea	18.9%	44.6%	36.5%	100.0%
All Other Welsh Men	35.4%	28.0%	36.5%	100.0%
Total	28.6%	31.8%	39.5%	100.0%

#### 6. Sexual identity(Q9)

% within LHB area of residence (Wales)

	Sexual identity (Q9)				Total
	Gay	Bisexual	I don't usually use a term	Any other term	
Cardiff	84.9%	8.1%	5.8%	1.2%	100.0%
Carmarthenshire	72.4%	13.8%	10.3%	3.4%	100.0%
Swansea	87.7%	8.2%	4.1%		100.0%
All Other Welsh Men	84.7%	9.5%	5.8%		100.0%
Total	84.4%	9.3%	5.8%	.5%	100.0%

#### 7. Trans male status (Q1)

% within LHB area of residence (Wales)

	Trans male status (Q1)		Total
	No	Yes	
Cardiff	98.8%	1.2%	100.0%
Carmarthenshire	89.7%	10.3%	100.0%
Swansea	100.0%		100.0%
All Other Welsh Men	96.8%	3.2%	100.0%
Total	97.3%	2.7%	100.0%

### 8. Gender of sexual partners in the last year (Q23)

% within LHB area of residence (Wales)

	Gender of sexual partners in the last year (Q23)			Total
	No one	Men only	Both men and women	
Cardiff	10.5%	82.6%	7.0%	100.0%
Carmarthenshire	10.3%	82.8%	6.9%	100.0%
Swansea	8.1%	89.2%	2.7%	100.0%
All Other Welsh Men	6.8%	86.8%	6.3%	100.0%
Total	8.2%	86.0%	5.8%	100.0%

### 9. Marriage / Civil partnership status (Q16)

% within LHB area of residence (Wales)

	Marriage / Civil partnership status (Q16)			Total
	In a civil partnership with a man	In a marriage with a woman	Neither of these	
Cardiff	3.4%		96.6%	100.0%
Carmarthenshire	6.9%	3.4%	89.7%	100.0%
Swansea	2.7%	1.4%	95.9%	100.0%
All Other Welsh Men	9.6%	3.2%	87.2%	100.0%
Total	6.6%	2.1%	91.2%	100.0%

### 10. Sero-discordancy with male regular partner (Q11 & Q13)

% within LHB area of residence (Wales)

	Sero-discordancy with male regular partner (Q11 & Q13)				Total
	single	concordant regular	unknown regular	discordant regular	
Cardiff	52.3%	33.7%	10.5%	3.5%	100.0%
Carmarthenshire	48.3%	34.5%	6.9%	10.3%	100.0%
Swansea	50.0%	23.0%	20.3%	6.8%	100.0%
All Other Welsh Men	52.4%	32.1%	10.7%	4.8%	100.0%
Total	51.6%	30.9%	12.2%	5.3%	100.0%

### 11. Sexuality disclosure (outness to family, friends & workmates) score average

Sexuality disclosure (outness) score average (Q10)

LHB area of residence (Wales)	Median	Mean	Minimum	Maximum	Std. Deviation
Cardiff	12.0000	9.3412	.00	12.00	3.74977
Carmarthenshire	12.0000	9.9286	.00	12.00	3.85793
Swansea	12.0000	9.3288	.00	12.00	3.76775
All Other Welsh Men	11.0000	8.5611	.00	12.00	4.55894
Total	12.0000	9.0000	.00	12.00	4.18805

## 12. Living arrangements (Q14)

% within LHB area of residence (Wales)

	Living arrangements (Q14)			Total
	Live alone	Live with male partner	Live with others (not male partner)	
Cardiff	47.1%	20.7%	32.2%	100.0%
Carmarthenshire	31.0%	37.9%	31.0%	100.0%
Swansea	20.3%	24.3%	55.4%	100.0%
All Other Welsh Men	33.3%	28.6%	38.1%	100.0%
Total	33.8%	26.6%	39.6%	100.0%

## HIV INFECTION (AND TESTING INTERVENTION PERFORMANCE)

### 13. HIV testing history (Q17 & Q18)

% within LHB area of residence (Wales)

	HIV test history (Q17 & Q18)				Total
	Never tested	Tested negative in last year	Tested negative over a year ago	Tested positive	
Cardiff	26.7%	40.7%	19.8%	12.8%	100.0%
Carmarthenshire	34.5%	34.5%	20.7%	10.3%	100.0%
Swansea	48.6%	25.7%	14.9%	10.8%	100.0%
All Other Welsh Men	46.6%	30.7%	14.3%	8.5%	100.0%
Total	41.5%	32.3%	16.1%	10.1%	100.0%

### 14. Self rating of HIV transmission probability amongst homosexually active men in the last year(Q17 & Q42)

% within LHB area of residence (Wales)

	Self rating of HIV transmission probability (Q17 & Q42) (Homosexually active men in the last year)					Total
	Very likely	Quite likely	Not sure	Quite unlikely	Very unlikely	
Cardiff			10.4%	32.5%	57.1%	100.0%
Carmarthenshire	7.7%		15.4%	23.1%	53.8%	100.0%
Swansea	1.5%	1.5%	18.2%	25.8%	53.0%	100.0%
All Other Welsh Men	1.7%	2.3%	14.2%	26.7%	55.1%	100.0%
Total	1.7%	1.4%	14.2%	27.5%	55.1%	100.0%

## RISK BEHAVIOURS

### 15. Number of male sexual partners in the last year (Q24)

% within LHB area of residence (Wales)

	Number of male sexual partners in the last year (Q24)						Total
	None	One	2,3 or 4	5 to 12	13 to 29	30 or more	
Cardiff	10.6%	20.0%	27.1%	17.6%	14.1%	10.6%	100.0%
Carmarthenshire	10.3%	27.6%	27.6%	17.2%	10.3%	6.9%	100.0%
Swansea	8.1%	17.6%	35.1%	18.9%	10.8%	9.5%	100.0%
All Other Welsh Men	6.9%	20.7%	34.0%	26.1%	7.4%	4.8%	100.0%
Total	8.2%	20.5%	32.2%	22.1%	9.8%	7.2%	100.0%

### 16. Number of male unprotected anal intercourse partners amongst homosexually active men in the last year (Q26 & Q23)

% within LHB area of residence (Wales)

	Number of male unprotected anal intercourse partners amongst homosexually active men (Q26 & Q23)					Total
	none	one	two	three or four	five or more	
L Cardiff	46.8%	28.6%	7.8%	7.8%	9.1%	100.0%
Carmarthenshire	26.9%	42.3%	3.8%	15.4%	11.5%	100.0%
Swansea	27.9%	41.2%	8.8%	8.8%	13.2%	100.0%
All Other Welsh Men	43.4%	37.6%	7.5%	8.1%	3.5%	100.0%
Total	39.8%	36.6%	7.6%	8.7%	7.3%	100.0%

### 17. Use of Nitrite inhalants (poppers) (Q44 & Q45 & Q46 & Q47)

% within LHB area of residence (Wales)

	Use of Nitrite inhalants (poppers) (Q44 & Q45 & Q46 & Q47)					Total
	No poppers	Use but not during RAI	Use during RAI but not URAI	Use during URAI but not with unknown / discordant partner	Use during URAI with an unknown / discordant partner	
L Cardiff	58.3%	15.5%	8.3%	8.3%	9.5%	100.0%
Carmarthenshire	48.3%	37.9%		6.9%	6.9%	100.0%
Swansea	38.9%	27.8%	15.3%	11.1%	6.9%	100.0%
All Other Welsh Men	57.8%	18.4%	11.4%	4.9%	7.6%	100.0%
Total	53.5%	21.1%	10.5%	7.0%	7.8%	100.0%

### 18. Use of anabolic steroids (Q49)

% within LHB area of residence (Wales)

	Use of anabolic steroids (Q49)				Total
	Yes, I've taken them in the last month	Yes, I've taken them in the last 12 months	Yes, I've taken them but NOT in the last 12 months	No, I have never taken anabolic steroids	
Cardiff	1.2%	1.2%	2.3%	95.3%	100.0%
Carmarthenshire	13.8%			86.2%	100.0%
Swansea		1.4%	1.4%	97.3%	100.0%
All Other Welsh Men	1.6%		.5%	97.8%	100.0%
Total	2.1%	.5%	1.1%	96.3%	100.0%

## PREVENTION NEEDS

### 19. Sexual behavioural intention on partner's positive disclosure (Q43 & Q17) (not tested positive)

% within LHB area of residence (Wales)

	Sexual behavioural intention on partners positive disclosure (Q43 & Q17) (not tested positive)				Total
	Not want to have sex with him	Still want to have sex with him but be extra careful	Have the kind of sex you would have had anyway	Other	
Cardiff	53.3%	42.7%	2.7%	1.3%	100.0%
Carmarthenshire	52.0%	44.0%	4.0%		100.0%
Swansea	62.5%	35.9%	1.6%		100.0%
All Other Welsh Men	55.8%	37.6%	2.4%	4.2%	100.0%
Total	56.2%	38.9%	2.4%	2.4%	100.0%

### 20. Knowledge that poppers increase transmission probability (Q48)

% within LHB area of residence (Wales)

	Knowledge that poppers increase transmission probability (Q48)				Total
	I knew this already	I didn't know this already	I wasn't sure about this	I don't understand this	
Cardiff	44.0%	36.9%	14.3%	4.8%	100.0%
Carmarthenshire	48.3%	37.9%	10.3%	3.4%	100.0%
Swansea	32.4%	51.4%	9.5%	6.8%	100.0%
All Other Welsh Men	36.6%	41.4%	15.1%	7.0%	100.0%
Total	38.3%	42.1%	13.4%	6.2%	100.0%

### 21. Knowledge that HIV, Hep B & C may be transmitted from shared injecting equipment when using anabolic steroids (Q52a)

% within LHB area of residence (Wales)

	Knowledge that HIV, Hep B & C may be transmitted from shared injecting equipment when using anabolic steroids (Q52a)				Total
	I knew this already	I didn't know this already	I wasn't sure about this	I don't understand this	
Cardiff	81.0%	8.3%	8.3%	2.4%	100.0%
Carmarthenshire	82.1%	10.7%	3.6%	3.6%	100.0%
Swansea	78.9%	15.5%	4.2%	1.4%	100.0%
All Other Welsh Men	78.5%	12.2%	7.2%	2.2%	100.0%
Total	79.4%	11.8%	6.6%	2.2%	100.0%

## 22. Knowledge that anabolic steroid use is linked to heart disease (Q52b)

% within LHB area of residence (Wales)

	Knowledge that anabolic steroid use is linked to heart disease (Q52b)				Total
	I knew this already	I didn't know this already	I wasn't sure about this	I don't understand this	
Cardiff	53.6%	32.1%	11.9%	2.4%	100.0%
Carmarthenshire	57.1%	39.3%	3.6%		100.0%
Swansea	54.3%	31.4%	11.4%	2.9%	100.0%
All Other Welsh Men	54.7%	31.5%	11.6%	2.2%	100.0%
Total	54.5%	32.2%	11.0%	2.2%	100.0%

## 23. Knowledge that concurrent stimulant and anabolic steroid use increases heart attack risk (q52c)

% within LHB area of residence (Wales)

	Knowledge that concurrent stimulant and anabolic steroid use increases heart attack risk (q52c)				Total
	I knew this already	I didn't know this already	I wasn't sure about this	I don't understand this	
Cardiff	50.0%	32.1%	15.5%	2.4%	100.0%
Carmarthenshire	50.0%	50.0%			100.0%
Swansea	46.5%	38.0%	12.7%	2.8%	100.0%
All Other Welsh Men	52.5%	34.3%	11.6%	1.7%	100.0%
Total	50.5%	35.7%	11.8%	1.9%	100.0%

## 24. Knowledge that non-prescribed anabolic steroids dosage may vary from that labelled (Q52d)

% within LHB area of residence (Wales)

	Knowledge that non-prescribed anabolic steroids dosage may vary from that labeled (Q52d)				Total
	I knew this already	I didn't know this already	I wasn't sure about this	I don't understand this	
Cardiff	47.6%	28.6%	20.2%	3.6%	100.0%
Carmarthenshire	42.9%	50.0%	3.6%	3.6%	100.0%
Swansea	52.1%	32.4%	11.3%	4.2%	100.0%
All Other Welsh Men	50.6%	35.0%	12.2%	2.2%	100.0%
Total	49.6%	34.2%	13.2%	3.0%	100.0%

END