Table S1: Swiss postal code areas (PCA), permanent male population (aged 15–64); and estimates for the absolute size of athe MSM populations, using two different approaches

PCA	Index city	p	s	K	K'	$M_{50\%}$	$M_{2.5\%}$	$M_{97.5\%}$	M'	M^r	%
10	**Lausanne**	**106,902**	**338**	**1.86**	**1.83**	**5,761**	**5,158**	**6,429**	**5,717**	**6,000**	**5.4%**
11	Morges	28,332	31	0.66	0.66	543	385	744	545	500	1.9%
12	**Genève**	**174,400**	**347**	**1.18**	**1.19**	**5,985**	**5,360**	**6,667**	**6,074**	**6,000**	**3.4%**
13	Orbe	15,436	13	0.54	0.53	241	144	376	238	200	1.6%
14	Yverdon-les-Bains	24,743	32	0.77	0.79	550	388	751	571	600	2.2%
15	Moudon	15,532	8	0.38	0.34	170	89	285	157	200	1.1%
16	Bulle	32,958	23	0.45	0.41	426	285	604	398	400	1.3%
17	Fribourg	46,183	68	0.87	0.85	1,167	917	1,460	1,151	1,200	2.5%
18	Montreux	55,026	50	0.55	0.54	883	667	1,139	863	900	1.6%
19	Sion	48,707	40	0.50	0.50	713	523	945	712	700	1.5%
20	Neuchâtel	32,814	52	0.93	0.93	882	669	1,137	894	900	2.7%
21	Val-de-Travers	3,853	4	0.66	0.64	74	33	138	72	70	1.9%
22	ValdeRus	1,071	2	0.80	1.12	25	10	50	35	40	2.3%
23	La Chaux-de-Fonds	16,405	20	0.73	0.78	345	223	504	373	400	2.1%
24	Le Locle	4,132	2	0.47	0.27	57	22	116	33	30	1.4%
25	Biel / Bienne	46,582	64	0.82	0.83	1,101	854	1,387	1,133	1,100	2.4%
26	Saint-Imier	4,945	4	0.57	0.44	82	37	153	63	60	1.7%
27	Moutier	9,440	5	0.42	0.29	114	55	206	80	80	1.2%
28	Delémont	12,631	10	0.52	0.42	190	106	308	155	200	1.5%
29	Porrentruy	7,368	6	0.55	0.51	118	59	206	110	100	1.6%
30	**Bern**	**89,172**	**289**	**1.90**	**1.95**	**4,907**	**4,341**	**5,499**	**5,090**	**5,000**	**5.5%**
31	Köniz	32,225	31	0.59	0.60	551	388	756	562	600	1.7%
32	Lyss	28,872	25	0.54	0.50	451	308	637	426	400	1.6%
33	Herzogenbuchsee	16,138	18	0.67	0.63	315	200	468	299	300	2.0%
34	Burgdorf	22,792	25	0.66	0.64	439	298	616	429	400	1.9%
35	Langnau im Emmental	12,461	12	0.60	0.63	218	126	346	229	200	1.7%
36	Thun	37,464	34	0.56	0.56	604	430	821	614	600	1.6%
37	Spiez	18,460	11	0.41	0.36	219	127	351	194	200	1.2%
38	Interlaken	14,752	15	0.63	0.62	268	162	407	269	300	1.8%
39	Sierre	42,783	28	0.41	0.38	515	355	713	481	500	1.2%
40	**Basel**	**55,971**	**231**	**2.37**	**2.46**	**3,851**	**3,369**	**4,368**	**4,029**	**4,000**	**6.9%**
41	Riehen	64,085	78	0.73	0.77	1,357	1,079	1,670	1,434	1,400	2.1%
42	Laufen	11,722	9	0.51	0.45	174	96	287	154	200	1.5%
43	Rheinfelden	16,705	19	0.69	0.67	332	215	485	326	300	2.0%
44	Liestal	31,256	33	0.64	0.63	579	410	788	579	600	1.9%
45	Solothurn	32,746	42	0.76	0.79	725	533	956	753	800	2.2%
46	Olten	31,593	42	0.79	0.75	721	535	954	697	700	2.3%
47	Balsthal	9,103	8	0.57	0.57	151	81	255	152	200	1.7%
48	Zofingen	12,179	18	0.84	0.84	298	191	441	298	300	2.4%
49	Langenthal	16,892	15	0.56	0.57	275	167	417	283	300	1.6%
50	Aarau	40,106	50	0.74	0.78	865	653	1,114	909	900	2.2%
51	Wildegg	5,971	6	0.63	0.67	110	56	192	117	100	1.8%
52	Brugg	14,251	16	0.68	0.69	280	173	424	286	300	2.0%
53	Würenlingen	12,552	13	0.64	0.58	232	137	359	213	200	1.8%
54	Baden	37,162	46	0.74	0.74	794	595	1,037	803	800	2.1%
55	Mellingen	8,144	12	0.83	0.93	195	115	307	222	200	2.4%
56	Lenzburg	33,047	37	0.67	0.69	645	468	863	669	700	2.0%
57	Reinach (AG)	21,893	14	0.43	0.40	271	164	412	258	300	1.2%
60	**Luzern**	**88,019**	**131**	**0.89**	**0.89**	**2,262**	**1,893**	**2,680**	**2,294**	**2,300**	**2.6%**

Table S1 (cont.)

PCA	Index city	p	s	K	K'	M_{50%}	M_{2.5%}	M_{97.5%}	M'	M^r	%
61	Willisau	18,304	14	0.50	0.47	264	159	404	253	300	1.4%
62	Sursee	36,377	25	0.44	0.39	459	314	647	412	400	1.3%
63	Zug	57,527	61	0.64	0.66	1,066	825	1,343	1,104	1,100	1.9%
64	Schwyz	34,338	30	0.54	0.53	540	377	736	531	500	1.6%
65	Bellinzona	24,668	26	0.64	0.62	457	310	642	444	400	1.9%
66	Locarno	16,076	18	0.68	0.66	316	203	468	311	300	2.0%
67	Biasca	9,020	6	0.48	0.40	125	63	219	105	100	1.4%
68	Mendrisio	22,458	15	0.44	0.39	286	175	435	259	300	1.3%
69	**Lugano**	**40,489**	**78**	**1.12**	**1.15**	**1,314**	**1,047**	**1,617**	**1,364**	*1,400*	**3.2%**
70	Chur	21,048	33	0.91	0.95	554	395	75	585	600	2.6%
71	Ilanz	7,064	7	0.63	0.59	129	66	220	122	100	1.8%
72	Davos	13,941	9	0.45	0.40	182	100	301	164	200	1.3%
73	Bad Ragaz	9,118	8	0.57	0.59	152	82	254	157	200	1.7%
74	Thusis	7,600	8	0.65	0.66	143	77	241	147	100	1.9%
75	St.Moritz	9,588	9	0.59	0.53	165	90	275	148	100	1.7%
76	Bregaglia	403	0	0.62	0.59	7	2	17	(7)	10	1.8%
77	Poschiavo	1,541	4	0.96	1.51	43	20	82	68	70	2.8%
80	**Zürich**	**137,673**	**903**	**3.85**	**3.87**	**15,389**	**14,312**	**16,496**	**15,596**	*16,000*	**11.2%**
81	Bülach	78,667	117	0.88	0.92	2,013	1,672	2,399	2,107	2,100	2.6%
82	Schaffhausen	43,022	48	0.67	0.70	837	629	1,090	880	900	1.9%
83	Kloten	54,466	79	0.86	0.92	1,358	1,085	1,671	1,464	1,500	2.5%
84	**Winterthur**	**65,874**	**76**	**0.69**	**0.70**	**1,322**	**1,052**	**1,639**	**1,343**	*1,300*	2.0%
85	Frauenfeld	46,250	53	0.69	0.71	920	705	1,183	959	1,000	2.0%
86	Uster	68,489	81	0.71	0.68	1,409	1,128	1,739	1,362	1,400	2.1%
87	Küsnacht (ZH)	45,541	59	0.77	0.80	1,017	786	1,295	1,072	1,100	2.2%
88	Horgen	70,814	90	0.76	0.78	1,556	1,263	1,897	1,620	1,600	2.2%
89	Dietikon	53,519	65	0.73	0.75	1,126	878	1,421	1,175	1,200	2.1%
90	**St.Gallen**	**41,489**	**73**	**1.03**	**1.06**	**1,236**	**979**	**1,539**	**1,291**	*1,300*	**3.0%**
91	Herisau	10,894	11	0.62	0.68	197	113	316	218	200	1.8%
92	Gossau (SG)	24,381	23	0.58	0.56	412	274	589	398	400	1.7%
93	Arbon	14,071	4	0.27	0.17	112	50	210	70	100	0.8%
94	Altstätten	53,310	43	0.50	0.47	768	573	1,010	739	700	1.4%
95	Wil (SG)	22,522	18	0.51	0.54	332	211	491	358	400	1.5%
96	Wattwil	12,223	13	0.65	0.65	230	136	360	234	200	1.9%
	Switzerland	*2,718,741*	*4,534*	*1.00*	*1.00*	*78,468*	*63,800*	*96,228*	*79,510*	*80,000*	*2.9%*

Legend: PCA, postal code area for Switzerland; p, male permanent population aged 15–64; s, number of EMIS-2010 survey participants living in Switzerland; k, local MSM concentration factor; k', local MSM concentration factor (age-stratified approach); M, number of MSM aged 15–64 ($M_{50\%}$, $M_{2.5\%}$, $M_{97.5\%}$, Bayesian approach with 95% credible intervals; M', age-stratified approach; M^r, rounded); %, proportion of MSM among men (based on $M_{50\%}$). The nine largest Swiss cities are bolded.

Note: All regional distribution data reported here are based on postal code areas, not municipalities, which affects the reported concentration factors K_i, e.g. for PCA 12 (Geneva). To consider the specific geographical position of Geneva, which is nearly completely surrounded by France, we used EMIS-2010 data of MSM living in France and we temporarily added men who were born in Switzerland but living in the surrounding French Departments *Ain* or *Haute-Savoie* to Geneva's PCA. However, this affected Geneva's concentration factor only marginally. The main reason for Geneva's rather low concentration factors seems to be the wide geographical scope of PCA 12.