

Appendix 1

37-year incidence and mortality time trends of common cancer types by sex, age, and stage in the canton of Zurich

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Supplementary tables

Table S1: Average Annual Percentage Changes (AAPC) for incidence and mortality trends by tumour localisation and sex, 1981–2017, canton of Zurich, Switzerland.							
Localisation	ICD10	Men			Women		
		AAPC	95% CI	Joinpoints	AAPC	95% CI	Joinpoints
Incidence							
Breast	C50				1.0	0.7, 1.3	2001
Prostate	C61	1.5	0.4, 2.5	2002, 2011, 2014			
Colon/rectum	C18-C21	-0.2	-0.4, 0.0		0.1	-0.2, 0.3	
Lung	C33-34	-1.5	-1.7, -1.4		3.0	2.7, 3.4	
Melanoma	C43	3.1	2.7, 3.6		2.3	1.9, 2.7	
Mortality							
Breast	C50				-1.7	-2.2, -1.2	1987
Prostate	C61	-1.8	-2.4, -1.3	1989			
Colon/rectum	C18-C21	-2.4	-2.6, -2.1		-2.2	-2.5, -1.8	
Lung	C33-34	-2.5	-2.7, -2.3		1.9	1.5, 2.3	
Melanoma	C43	-2.4	-5.4, 0.8	2015	-1.1	-1.8, -0.4	

Table S2: Average Annual Percentage Changes (AAPC) for incidence and mortality trends by tumour localisation, age group, and sex, 1981–2017, canton of Zurich, Switzerland.

Age group		<50			50-59/<60			60-69			70-79			≥80		
Localisation	ICD10	AAPC	95% CI	Joinpoints	AAPC	95% CI	Joinpoints	AAPC	95% CI	Join-points	AAPC	95% CI	Joinpoints	AAPC	95% CI	Joinpoints
Incidence																
Men																
Prostate	C61				5.2	4.2, 6.2	2003	3.1	1.8, 4.4	2002, 2011, 2014	1.0	0.2, 1.8	1993, 2014	-0.6	-1.3, 0.1	1989
Colon/rectum	C18-C21				0.2	-0.2, 0.5		-0.2	-0.6, 0.1		-0.4	-0.8, 0.0		-0.4	-0.8, 0.0	
Lung	C33-34				-2.0	-2.3, -1.7		-1.6	-2.0, -1.3		-1.5	-1.8, -1.2		-0.4	-0.8, 0.1	
Melanoma	C43	1.2	0.5, 1.8		2.1	1.4, 2.9		3.5	2.8, 4.1		4.5	3.9, 5.2		5.2	4.5, 5.9	
Women																
Breast	C50	0.8	0.5, 1.1		0.8	-0.7, 2.3	1991, 1995	0.8	-0.2, 1.8	1993, 2001	1.2	0.9, 1.4		0.2	-0.1, 0.6	
Colon/rectum	C18-C21				0.9	0.4, 1.3		0.1	-0.3, 0.5		-0.5	-0.9, -0.2		-0.6	-1.0, -0.2	
Lung	C33-34				1.8	0.9, 2.6	2005	3.4	2.9, 4.0		4.0	3.5, 4.5		3.3	2.5, 4.0	
Melanoma	C43	1.6	1.1, 2.1		2.1	1.5, 2.8		1.9	-2.0, 5.9	2004, 2007	6.2	3.4, 9.0	1986, 2000	3.9	3.2, 4.7	
Mortality																
Men																
Prostate	C61				-1.5	-2.7, -0.2		-2.0	-3.3, -0.6	1988	-2.1	-2.9, -1.2	1988	-1.9	-2.3, -1.6	
Colon/rectum	C18-C21				-2.0	-2.7, -1.4		-1.9	-2.4, -1.4		-2.5	-2.8, -2.2		-1.8	-3.3, -0.2	1990, 2000
Lung	C33-34				-3.3	-4.0, -2.6	2005	-2.8	-3.2, -2.4		-2.4	-2.8, -2.1		-0.7	-2.0, 0.6	1984, 2002
Melanoma	C43	-2.4	-4.0, -0.8		-2.2	-3.7, -0.7		-0.9	-2.3, 0.5		-0.2	-1.2, 0.9		1.2	-0.3, 2.8	
Women																
Breast	C50	-3.1	-3.8, -2.4		-2.3	-3.1, -1.6	1993	-2.0	-2.9, -1.2	2005	-1.2	-1.6, -0.8		-1.3	-2.6, 0.0	1991, 1999
Colon/rectum	C18-C21				-1.5	-2.2, -0.7		-1.8	-2.5, -1.1		-2.4	-2.8, -2.0		-2.2	-3.1, -1.3	2009
Lung	C33-34				0.0	-1.4, 1.5	2008	2.3	1.6, 3.0		2.4	1.9, 3.0		2.9	2.2, 3.6	
Melanoma	C43	-2.2	-3.5, -0.9		-1.9	-3.6, -0.3		-1.1	-2.6, 0.4		-0.3	-1.6, 1.1		1.1	-0.1, 2.2	

Table S3: Average Annual Percentage Changes (AAPC) for incidence trends by tumour localisation, stage, and sex, 2003-2017, canton of Zurich, Switzerland.

Localisation	ICD10	Stage I			Stage II			Stage III			Stage IV			Stage missing		
		AAPC	95% CI	Joinpoints	AAPC	95% CI	Joinpoints	AAPC	95% CI	Joinpoints	AAPC	95% CI	Joinpoints	AAPC	95% CI	Joinpoints
<i>Incidence</i>																
Men																
Prostate	C61	43.2	24.7, 64.3	2011, 2015	-3.3	-10.2, 4.1	2008, 2011	5.7	0.5, 11.2	2011, 2014	2.9	1.9, 3.8		-17.8	-32.7, 0.4	2012, 2015
Colon/rectum	C18-C21	2.2	0.8, 3.7		-1.7	-2.7, -0.6		-0.7	-1.9, 0.6		2.8	1.3, 4.3		-7.1	-9.3, -4.7	
Lung	C33-34	2.0	-0.2, 4.3		3.2	-0.5, 6.9		0.2	-2.5, 3.0		3.5	0.2, 6.9		-14.7	-23.4, -5.0	2008
Melanoma	C43	8.8	-15.7, 40.4	2008, 2011	2.9	-23.1, 37.8	2008, 2011	2.0	-1.6, 5.8		6.1	1.8, 10.7		-16.3	-25.1, -6.5	2008
Women																
Breast	C50	2.1	1.2, 3.0		0.5	-0.3, 1.2		-2.9	-4.2, -1.7		4.6	2.6, 6.7		-9.5	-12.9, -5.8	
Colon/rectum	C18-C21	2.7	0.6, 4.8		-1.3	-3.2, 0.7		-1.8	-3.2, -0.4		3.3	0.8, 6.0		-1.7	-5.2, 1.9	
Lung	C33-34	5.0	2.4, 7.6		7.8	4.5, 11.3		1.3	-2.2, 5.0		6.6	3.3, 10.0		-12.8	-22.4, -2.0	2008
Melanoma	C43	4.6	-19.7, 36.2	2008, 2011	12.9	5.7, 20.7		5.2	-1.0, 11.8		7.4	-0.4, 15.7		-14.0	-22.8, -4.2	