

**S2 Table.** Trends in general health checkup and screenings for gastric cancer, colorectal cancer, and cervical cancers

Screening type	Total cases	Screening within 2 years postdiagnosis				Screening within 5 years postdiagnosis			
		Observed rate (%)	Estimated rate (%)	Trends in 2009–2016		Observed rate (%)	Estimated rate (%)	Trends in 2009–2015	
				APC (95% CI) (%)	p-value			APC (95% CI) (%)	p-value
<b>Breast cancer screening</b>									
2009	8,061	10.9	11.0	3.7 (2.1-5.2)	0.001	26.0	26.3	3.9 (1.7-6.2)	0.006
2010	8,752	11.6	11.4			25.7	26.5		
2011	9,840	12.2	11.8			27.3	26.8		
2012	10,351	11.7	12.2			26.9	27.0		
2013	11,034	11.9	12.7			27.6	27.3		
2014	11,728	13.5	13.1			29.5	27.5		
2015	12,426	14.1	13.6			25.8	27.8		
2016	14,451	14.0	14.1						
<b>General health checkup</b>									
2009	8,339	29.0	28.6	5.3 (4.1-6.5)	< 0.001	52.6	52.8	3.6% (3.1-4.1)	< 0.001
2010	8,920	30.7	30.1			54.7	54.7		
2011	10,048	32.3	31.8			57.0	56.6		
2012	10,562	32.1	33.4			58.0	58.7		
2013	11,257	33.6	35.2			61.0	60.8		
2014	11,904	37.8	37.1			63.5	63.0		
2015	12,570	39.8	39.1			63.5	65.3		
2016	14,574	41.2	41.2						
<b>Gastric cancer screening</b>									
2009	8,339	25.0	25.2	5.7 (3.8-7.5)	< 0.001	48.5	49.1	3.7 (3.2-4.2)	< 0.001
2010	8,920	27.7	26.7			51.1	50.9		
2011	10,048	28.8	28.2			53.3	52.8		
2012	10,562	28.4	29.8			54.4	54.8		
2013	11,257	29.4	31.5			56.9	56.8		
2014	11,904	34.4	33.2			59.5	58.9		
2015	12,570	36.6	35.1			60.5	61.1		
2016	14,574	36.4	37.1						
<b>Colorectal cancer screening</b>									
2009	4,654	22.1	22.4	6.9 (5.8-8.1)	< 0.001	44.7	45.1	3.7 (3.0-4.4)	< 0.001
2010	5,121	23.1	24.0			46.3	46.8		

2011	5,834	26.8	25.6			49.7	48.5		
2012	6,136	27.7	27.4			49.9	50.3		
2013	6,434	28.6	29.3			51.9	52.2		
2014	6,915	31.6	31.4			54.6	54.1		
2015	7,289	34.3	33.5			55.7	56.1		
2016	8,541	35.2	35.9						
<b>Cervical cancer screening</b>									
2009	9,706	22.0	22.7	7.6 (6.2-8.9)	< 0.001	45.4	45.6	4.4 (4.0-4.9)	< 0.001
2010	10,410	25.3	24.4			47.8	47.7		
2011	11,556	26.4	26.3			50.0	49.8		
2012	11,971	27.9	28.3			51.6	52.0		
2013	12,743	29.3	30.4			54.2	54.3		
2014	13,433	33.8	32.7			57.4	56.7		
2015	14,025	36.2	35.2			58.8	59.2		
2016	16,206	36.9	37.8						

Annual screening participation was defined as the presence of screening during the first 2 and 5 years after breast cancer diagnosis. Different data periods were applied for joinpoint regression models of screening rate within 2-year and 5-year postdiagnosis. For the screening rate within 5 years of diagnosis, joinpoint regression models were fitted for 2009-2015. Statistical significance was set at  $p < 0.05$ . APC, annual percentage change; CI, confidence interval.