

**SUPPLEMENTARY MATERIALS**

This appendix has been provided by the authors to give readers additional information about the work.

Supplement to: Chiang TH, *et al.* Mass Eradication of *Helicobacter pylori* to Reduce the Gastric Cancer Incidence and Mortality: A Long-term Cohort Study on Matsu Islands

Item	Description
<b>Supplementary Table 1</b>	Observed and expected numbers of subjects at risk, number of incident cases, and incidence rates of gastric cancer per 100,000 person-years, before and after the mass eradication of <i>H. pylori</i>
<b>Supplementary Table 2</b>	Observed and expected numbers of subjects at risk, number of dead cases, and mortality rates of gastric cancer per 100,000 person-years, before and after the mass eradication of <i>H. pylori</i>
<b>Supplementary Figure 1</b>	Incidence rates of esophageal cancer (left) and colorectal cancer (right), in reference to the start of the mass eradication program for <i>H. pylori</i> infection from 2004.

**Supplemental Table 1.** Observed and expected numbers of subjects at risk, number of incident cases, and incidence rates of gastric cancer per 100,000 person-years, before and after the mass eradication of *H. pylori*

Year	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Period</b>	<b>Before mass eradication</b>								
No. of population	5,711	5,959	7,240	7,536	6,560	6,733	8,851	8,763	8,806
No. of observed GC	4	5	5	4	4	2	6	1	3
No. of expected GC	4.0	4.6	5.4	5.1	4.4	4.1	5.5	4.8	4.6
Observed incidence rate	70.0	83.9	69.1	53.1	61.0	29.7	67.8	11.4	34.1
Predicted incidence rate	69.9	76.9	74.0	68.1	66.9	60.6	61.9	54.3	51.7

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Period</b>	<b>After mass eradication</b>												
No. of population	9,359	10,345	9,786	9,965	9,961	9,919	9,944	10,106	11,310	12,165	12,506	12,547	12,536
No. of observed GC	9	1	2	2	1	3	0	2	6	1	1	4	2
No. of expected GC	5.5	5.3	4.8	4.6	4.3	4.2	3.9	3.8	4.4	4.4	4.3	4.3	4.2
Observed incidence rate	96.2	9.7	20.4	20.1	10.0	30.1	0	19.8	53.1	8.2	8.0	31.9	15.9
Expected incidence rate	57.3	51.6	48.5	45.8	42.8	41.8	38.8	37.4	38.5	36.4	34.5	34.3	33.2

Abbreviation: GC=gastric cancer

**Supplemental Table 2.** Observed and expected numbers of subjects at risk, numbers of dead cases, and mortality rates of gastric cancer per 100,000 person-years, before and after the mass eradication of *H. pylori*

Year	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Period</b>	<b>Before mass eradication</b>								
No. of population	5,711	5,959	7,240	7,536	6,560	6,733	8,851	8,763	8,806
No. of observed GC death	2	3	3	1	2	3	3	0	0
No. of expected GC death	2.9	3.1	3.0	2.9	2.9	2.9	2.8	2.8	3.1
Observed mortality rate	35.0	50.3	41.4	13.3	30.5	44.6	33.9	0	0
Expected mortality rate	34.6	42.5	42.1	33.8	33.0	35.0	34.7	34.6	34.6

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>Period</b>	<b>After mass eradication</b>														
No. of population	9,359	10,345	9,786	9,965	9,961	9,919	9,944	10,106	11,310	12,165	12,506	12,547	12,536	12,880	13,056
No. of observed GC death	3	3	3	2	2	3	2	2	3	5	1	4	1	2	2
No. of expected GC death	2.9	3.1	3.0	2.9	2.9	2.9	2.8	2.8	3.1	3.5	3.4	3.5	3.3	3.3	3.3
Observed mortality rate	32.1	29.0	30.7	20.1	20.1	30.1	20.1	19.7	25.2	41.1	7.9	31.9	7.9	15.5	15.5
Expected mortality rate	30.4	30.2	30.3	29.4	28.7	28.8	28.2	27.7	27.6	28.6	27.2	27.5	26.3	25.8	25.2

Abbreviation: GC=gastric cancer

**Supplementary Figure 1.** Incidence rates of esophageal cancer (left) and colorectal cancer (right), in reference to the start of the gastric cancer mass eradication program from 2004.

