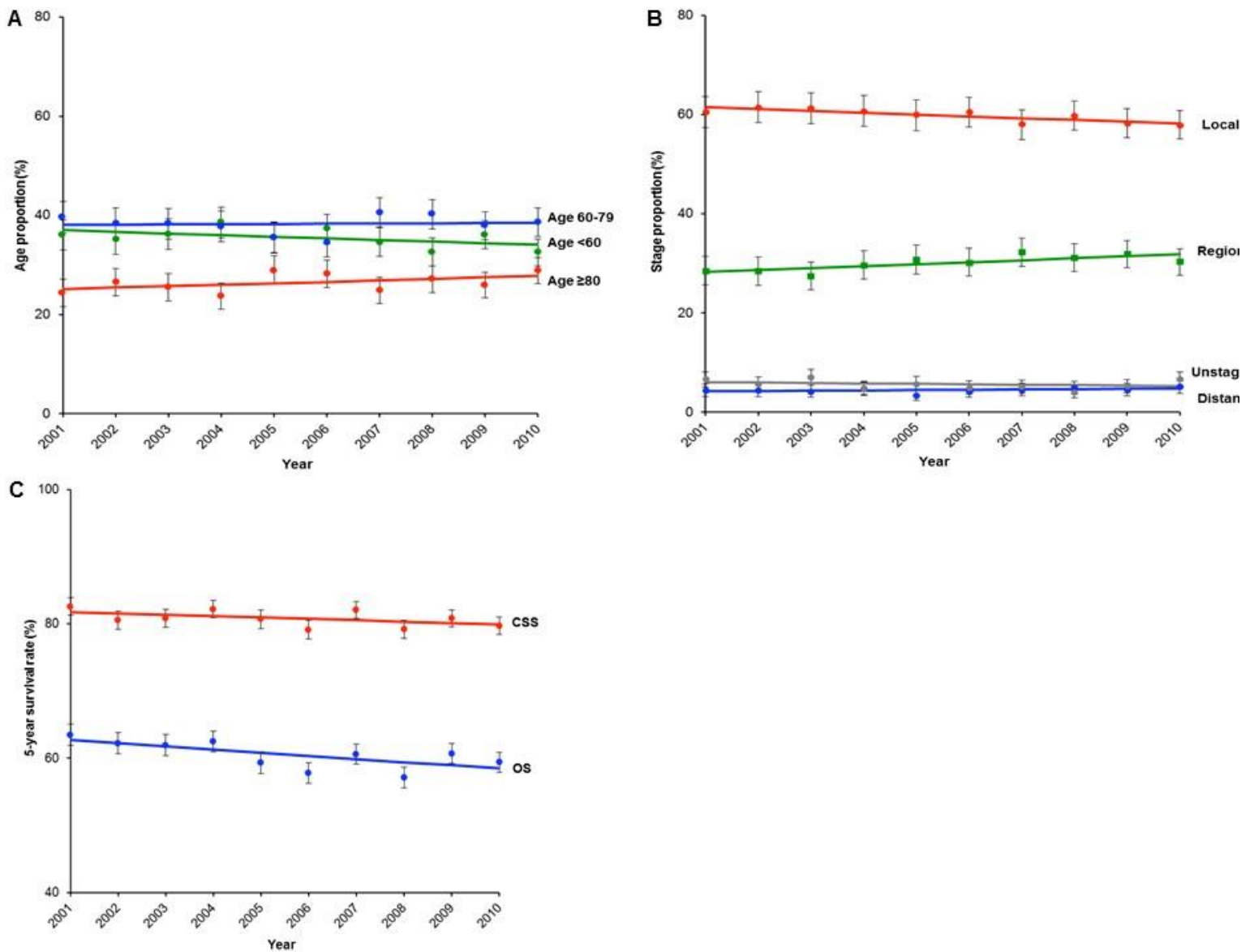


**Supplemental Figure S1. Trends and outcomes in the US cohort.**



**(A)** Age trends, **(B)** stage trends, and **(C)** 5-year survival rate trends for the US cohort from 2001-2010.

There was no statistically significant change for age and stage groups as well as CSS (all,  $P>0.05$ ).

The 5-year OS rates decreased from 62.7% to 58.5% (6.7% relative decrease, APC  $-0.8$ , 95%CI  $-1.4$  to  $-0.1$ ,  $P=0.027$ ). Bold lines represent the modeled value, and circles represent the observed value with 95% CI.

Abbreviations: CSS, cause-specific survival; OS, overall survival; APC, annual percent change; and CI, confidence interval.

**Table S1. Trends in incidence and survival of vulva cancer in Japan, Europe, and North America**

Characteristic	Japan	Europe	North America
Age	aging*	younger <sup>#</sup>	aging <sup>\$</sup>
VIN	N/A	increasing <sup>‡</sup>	increasing <sup>†</sup>
Vulva cancer	↑advance stage*	↑early stage <sup>#</sup>	N/A
Survival	worsening*	no change <sup>#</sup>	no change <sup>\$</sup>
Surgery	less performed*	N/A	N/A
Radiotherapy	more performed*	N/A	N/A
Chemotherapy	more performed*	N/A	N/A

N/A: not available, \*:current research, #: Eur J Cancer 2013;49:3872-80,

\$: Gynecol Oncol 2014;134:314-8, ‡: Eur J Gynecol Oncol 2001;22:393-402

†: Obstet Gynecol 2006; 107:1018-22