

**SUPPLEMENTARY TABLE. Diagnosis and Procedural Codes Used In Analysis\* — Kaiser Permanente Southern California**

Diagnosis	Coding System		
	<i>International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM)</i>	<i>International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)</i>	<i>Current Procedural Technology, 4<sup>th</sup> Edition (CPT-4)<sup>¶</sup></i>
<b>Codes used to exclude cervical cancer or precancer (cervical intraepithelial neoplasia 2 and 3)</b>			
Invasive cervical cancer	180, 180.0, 180.1, 180.8, 180.9	C53, C53.0, C53.1, C53.8, C53.9	—
Personal history of malignant neoplasm of female genital organ (cervix uteri)	V10.40, V10.41	Z85.40, Z85.41	—
Carcinoma in situ	233.1	D06, D06.0, D06.1, D06.7, D06.9	—
Personal history of in situ neoplasm (cervix uteri)	—	Z86.001	—
Precancer (cervical intraepithelial neoplasia 2 or 3)	622.1 <sup>†</sup> , 622.12	N87.1	—
<b>Codes used to exclude hysterectomy (or absence of cervix)</b>			
Hysterectomy	67.4, 68, 68.0, 68.4, 68.41, 68.49, 68.5, 68.51, 68.59, 68.6, 68.61, 68.69, 68.7, 68.71, 68.79, 68.8, 68.9, 583, 618.5, V10.40, V10.41, V10.42, V13.22, V13.9, V45.77 <sup>§</sup> , V67.01, V76.47 <sup>§</sup> , V88.01,	OUTC0ZZ, OUTC4ZZ, OUTC7ZZ, OUTC8ZZ, N99.3, Z08 <sup>§</sup> , Z12.72 <sup>§</sup> , Z85.40, Z85.41, Z85.42, Z87.410, Z87.898, Z90.722, Z90.79	51925, 56308, 57530, 57531, 57540, 57545, 57550, 57555, 57556, 58150, 58152, 58200, 58210, 58240, 58260, 58262, 58263, 58267, 58270, 58275, 58280, 58285, 58290, 58291, 58292, 58293, 58294, 58548, 58550, 58552, 58553, 58554, 58570, 58572, 58573, 58575, 58578, 58951, 58953, 58954, 58956, 59135, 59525
Absence of cervix	V88.03	Z90.710, Z90.712	

\* Cervical cancer patients were also identified from the Kaiser Permanente Southern California (KPSC) cancer registry.

<sup>†</sup> Included if used before 2006.

<sup>§</sup> Included only if the encounter included the word “hysterectomy” in the description.

<sup>¶</sup> HPV and Pap smear tests were both identified using KPSC laboratory CPT codes and other local lab codes (KPSC procedure codes, result component IDs, etc.). Cervical cytology and HPV tests were 211389 and 87624, respectively.