

Supplemental Table S3. Procedure Costs by CPT code

Resource	CPT Code		Cost ^{1,2} (2021 USD)	Model Application
Office Visits				
Periodic comprehensive preventive medicine reevaluation and management of an individual including an age and gender appropriate history, examination, counseling/anticipatory guidance/risk factor reduction interventions, and the ordering of laboratory/diagnostic procedures, established patient				
Age 25-39 years	99395	18-39 years	\$120.03	
Age 40-64 years	99396	40-64 years	\$127.71	
Age 65+ years	99397	65 years and older	\$137.13	
	99213	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making. When using time for code selection, 20-29 minutes of total time is spent on the date of the encounter.	\$92.47	
Screening Tests				
hrHPV test,	87624	Infectious agent detection by nucleic acid (DNA or RNA); Human Papillomavirus (HPV), high-risk types	\$35.09	Pooled or genotyping
Cervical cytology test	88175	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with screening by automated system and manual rescreening or review, under physician supervision	\$26.61	
DS test	88344	Immunohistochemistry or immunocytochemistry, per specimen; each multiplex antibody stain procedure	\$178.30	
Colposcopy				
Colposcopy with cervical biopsy	57454	Colposcopy of the cervix including upper/adjacent vagina; with biopsy(s) of the cervix and endocervical curettage	\$172.72	
Biopsy pathology	88305	Level IV - Surgical pathology, gross and microscopic examination... Cervix, biopsy	\$71.53	x3 biopsies, submitted as separate samples
Colposcopy Total			\$387.31	

Resource	CPT Code		Cost ^{1,2} (2021 USD)	Model Application
LEEP				
Weighted average by procedure distribution ²⁻⁵	57460	Colposcopy of the cervix including upper/adjacent vagina; with loop electrode biopsy(s) of the cervix	\$660.31	<ul style="list-style-type: none"> • 86.6% Office; 13.4% HOPD; 0.0% ASC • 6.6% of LEEPs
	57461	Colposcopy of the cervix including upper/adjacent vagina; with loop electrode conization of the cervix	\$368.12	<ul style="list-style-type: none"> • 100% Office; 0.0% HOPD or ASC • 4.8% of LEEPs
	57522	Conization of cervix, with or without fulguration, with or without dilation and curettage, with or without repair; loop electrode excision	\$1,990.72	<ul style="list-style-type: none"> • 33.7% Office; 64.3% HOPD; 2.0% ASC • 88.6% of LEEPs
LEEP pathology	88307	Level V - Surgical pathology, gross and microscopic examination... Cervix, conization	\$290.31	x1 sample
LEEP Total			\$2,115.07	

Abbreviations: ASC, ambulatory surgical center; CPT, Current Procedural Terminology; DS, p16/Ki-67 dual-stained cytology;

HOPD, hospital outpatient department; hrHPV, high-risk human papillomavirus; LEEP, loop electrosurgical excision procedure.

¹ Centers for Medicare & Medicaid Services. Clinical Laboratory Fee Schedule. 2021; <https://www.cms.gov/medicare/medicare-fee-service-payment/clinical-lab-fee-schedule-files/21clabq1>.

² Centers for Medicare & Medicaid Services. Medicare Physician Fee Schedule. 2021; <https://www.cms.gov/medicare/physician-fee-schedule/search/overview>.

³ Centers for Medicare & Medicaid Services. *Hospital Outpatient PPS October 2021 Addendum B - Correction*. 2021;

<https://www.cms.gov/medicare/medicare-fee-service-payment/hospitaloutpatientppsaddendum-and-addendum-b-updates/october-2021-correction-0>.

⁴ Centers for Medicare & Medicaid Services. *ASC Payment Rates - Addenda*. 2021; [https://www.cms.gov/Medicare/Medicare-Fee-](https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/ASCPayment/11_Addenda_Updates)

[for-Service-Payment/ASCPayment/11_Addenda_Updates](https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/ASCPayment/11_Addenda_Updates).

⁵ Centers for Medicare & Medicaid Services. *Physician/Supplier Procedure Summary*. 2020; [https://data.cms.gov/summary-statistics-](https://data.cms.gov/summary-statistics-on-use-and-payments/physiciansupplier-procedure-summary/data/2020)

[on-use-and-payments/physiciansupplier-procedure-summary/data/2020](https://data.cms.gov/summary-statistics-on-use-and-payments/physiciansupplier-procedure-summary/data/2020).