

Cervical Cancer

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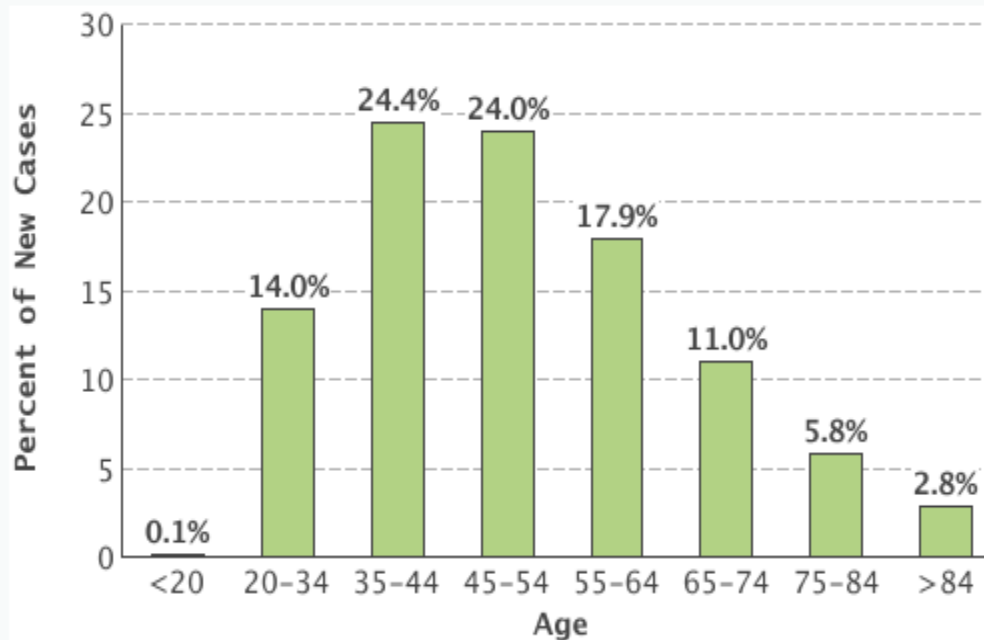
12/16/15

Age at diagnosis

- Median age is 49
- Most often diagnosed between age 35 and 44
- Median age at time of mortality is 57.

Age at diagnosis

Percent of New Cases by Age Group: Cervix Uteri Cancer



Cervix uteri cancer is most frequently diagnosed among women aged 35-44.

Median Age
At Diagnosis

49

Risk Factor: HPV

- Over 200 strains
- 18 strains are associated with cervical cancer
- Type 16 and 18 are the most oncogenic

Other Factors

- Earlier age of onset of sexual activity.
- Number of partners
- Monogamous women with circumcised partners RR 0.42 (CI 0.23 to 0.79) compared with women with uncircumcised partners.
- In-utero DES (diethylstilbestrol) exposure
- Past (RR 1.12 CI 1.01 to 1.25) or current (RR 1.6 CI 1.48 to 1.72) smoking.

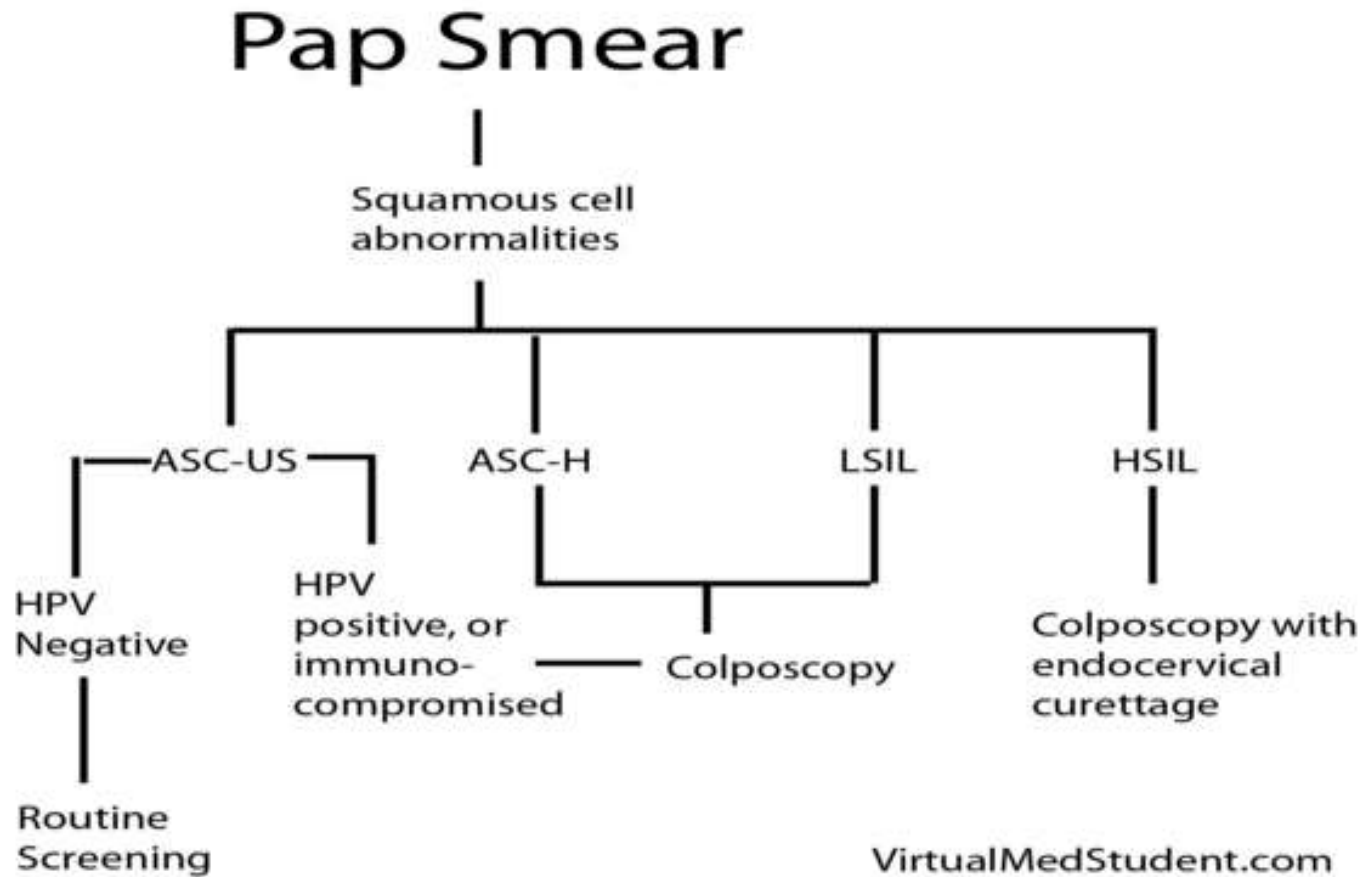
Screening with Pap

- For women ages 21-29, PAP q 3 years
- For women ages 30-65, PAP q 3 years or PAP and HPV testing q 5 years.
- For women with HIV, screen on presentation, 6 months later, and then annually (they have 11 times the rate of cervical cancer). Screen them annually even after a hysterectomy.

Indications for Colposcopy

- ASCUS with high risk HPV
- Any CIN
- AGUS (atypical glandular cells of undetermined significance – also needs endometrial sampling)
- Visible cervical or vaginal lesion
- 2 sequential normal PAPs one year apart with high risk HPV over age 30

Indications for Colposcopy

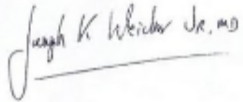


Telling your patient about ASCUS

Dear Ms. _____,

I am writing to inform you that your recent pap test found some atypical cells, but in light of there being no indication of HPV disease, there is no role for further evaluation or concern. You should have a pap smear in 3 years. If you have any questions, feel free to call our office at (410) 658-6696.

Sincerely,



Joseph K. Weicher Jr. MD

Management of CIN/CIS

- Women whose histology results indicate carcinoma in situ or CIN 3 typically undergo treatment with ablation or excision. (LEEP or LEEP Conization depending on ECC)
- CIN I: Observation (check PAP at 6 and 12 months) vs. Treatment depending on the age of the patient, persistence of CIN, risks.

Management of Invasive Cancer

- Stage IA2 to 1B1: Radical hysterectomy (or trachelectomy – removal of the cervix if fertility must be preserved)

Treatment of Advanced Cervical Cancer

- Although treatments are individualized, chemoradiation typically is used for women with IB2 to IVA cervical cancers, followed by hysterectomy. Stage IVB cancer typically is treated with palliative radiation and/or chemotherapy.

Prognosis

- The 5-year survival rate for patients with cervical cancer from 2005 to 2011 was 67.8% overall, but for cancer diagnosed at the localized stage, the 5-year survival rate was 91.5%. Almost half (46%) of cervical cancer cases are diagnosed at this localized stage.
- Mortality rate is twice as high in black women than in white women.

HPV Vaccination

Table 6

Recommendations for HPV Vaccination

Recipients	Minimum Age to Start Series	Maximum Age to Start Series	Recommended Vaccines
Females	11 to 12 years ^a	26 years	HPV2, HPV4, HPV9
Males	11 to 12 years ^a	21 years ^b	HPV4, HPV9

^aMay be administered starting at age 9 years.

^bImmunocompromised men and men who have sex with men can start the series as late as age 26 years.

HPV = human papillomavirus.

Information from Petrosky E, Bocchini JA Jr, Hariri S, et al. Use of 9-valent human papillomavirus (HPV) vaccine: updated HPV vaccination recommendations of the Advisory Committee on Immunization Practices. *MMWR Morb Mortal Wkly Rep.* 2015;64(11):300-304.

PLUS MSM and immunocompromised thru 26

Gardasil vs. Gardasil-9

- HPV 4: 6, 11, 16, 18
- HPV 9: 6, 11, 16, 18 PLUS 31, 33, 45, 52, 58.
- Overall immunization rates are poor: 2013 data show 37% of women and 6% of men received 1 or more doses.

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[Urgent Warning About Gardasil](#)



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- The secret biological bounty hunter that abolishes even the most ravenous cancer cells, but is as safe as a slice of whole wheat bread
- A \$600-an-ounce cancer-fighting miracle mushroom that is finally available-and affordable-in the U.S.
- The best way to "train" your immune system to beat cancer-and keep it