Cervical Cancer Main Database Excluded Studies List

Level 2: Cervical Cancer is not the focus


Bateson, D.J. and Weisberg, E. An open-label randomized trial to determine the most effective regimen of vaginal estrogen to reduce the prevalence of atrophic changes reported in postmenopausal cervical smears. Menopause. 2009;16(4):765-769.


Denny, L.; Quinn, M.; and Sankaranarayanan, R. Chapter 8: Screening for cervical cancer in developing countries. [Review] [23 refs]. Vaccine. 8-31-2006;24:Suppl-7.


Edwards, J. M.; Howat, A. J.; Hermansen, P. J.; and Hillier, V. F. Borderline nuclear change; can a subgroup be identified which is suspicious of high-grade cervical intraepithelial neoplasia, i.e CIN 2 or worse?. Cytopathology. 2002;13(5):267-272.


Galan-Sanchez, F. and Rodriguez-Iglesias, M. A. Use of Cervista HPV HR assay for detection of human papillomavirus in samples with hybrid capture borderline negative results. APMIS. 9-1-2010;118(9):681-684.


Karpa, K. D.  First cancer vaccine approved for women. Drug Topics. 2006;150(14).


Kim, H. W.  [Effects of prevention education on Human Papillomavirus linked to cervix cancer for


Kulasingam, S. L.; Pagliusi, S.; and Myers, E. Potential effects of decreased cervical cancer screening
diagnosis of atypical glandular cells: a Gynecologic Oncology Group study in United States. 


Moreno, V.; Bosch, F. X.; Munoz, N.; Meijer, C. J.; Shah, K. V.; Walboomers, J. M.; Herrero, R.;


Myers, E.; Huh, W. K.; Wright, J. D.; and Smith, J. S. The current and future role of screening in the era


Pak, S. C.; Martens, M.; Bekkers, R.; Crandon, A. J.; Land, R.; Nicklin, J. L.; Perrin, L. C.; and


Pirog, E. C.; Baergen, R. N.; Soslow, R. A.; Tam, D.; DeMattia, A. E.; Chen, Y. T.; and Isacson, C. Diagnostic Accuracy of Cervical Low-Grade Squamous Intraepithelial Lesions Is Improved With MIB-1


Renshaw, A. A.; Dubray-Benstein, B.; Haja, J.; Hughes, J. H.; and Cytopathology Resource Committee, College of American Pathologists. Cytologic features of low-grade squamous intraepithelial lesion in Thinprep papanicolaou test slides and conventional smears: comparison of cases that performed poorly with those that performed well in the College of American Pathologists Interlaboratory Comparison Program in


Spence, A. R.; Goggin, P.; and Franco, E. L. Process of care failures in invasive cervical cancer:
systematic review and meta-analysis. [Review] [64 refs]. Preventive Medicine. 2007;45(2-3):93-106.


Thompson, M. and Nussbaum, R. Women's preferences for providers of and settings for Pap smears.


Verhoeven, V.; Baay, M.; and Baay, P. People seeking health information about human papillomavirus via the internet have a very high level of anxiety. Sexual Health. 2009;6(3):258-259.


**Level 2: No comparison group**


Hiatt, R. A.; Pasick, R. J.; Stewart, S.; Bloom, J.; Davis, P.; Gardiner, P.; and Luce, J. Cancer screening for underserved women: the Breast and Cervical Cancer Intervention Study. Cancer Epidemiology,


Level 2: Excluded by Outcomes


Level 2: Population


Renshaw, A. A.; Young, N. A.; Birdsong, G. G.; Styer, P. E.; Davey, D.D.; Mody, D.R.; and Colgan, T.J. Comparison of performance of conventional and ThinPrep gynecologic preparations in the College
Level 3: Intervention


**Level 3: Comparison – no screening, celibate or one partner**


Harris, P. and Carnes, M. Is there an age at which we should stop performing screening Pap smears and mammography?. Cleveland Clinic Journal of Medicine. 2002;69(4):272-273.


Level 3: Outcomes


Khan, S. Performance of monolayered cervical smears in a gynecology outpatient setting in Kuwait.

Maissi, E., Marteau, T.M., Hankins, M., Moss, S., Legood, R., and Gray, A. The psychological impact
of human papillomavirus testing in women with borderline or mildly dyskaryotic cervical smear test

Maissi, E., Marteau, T.M., Hankins, M., Moss, S., Legood, R., and Gray, A. Psychological impact of
human papillomavirus testing in women with borderline or mildly dyskaryotic cervical smear test
results: cross sectional questionnaire study. BMJ. 5-29-2004;328(7451):1293-.

Mitchell, H., Hocking, J., and Saville, M. Cervical cytology screening history of women diagnosed with

Petticrew, M.P., Sowden, A.J., Lister-Sharp, D., and Wright, K. False-negative results in screening
programmes: systematic review of impact and implications. [Review] [151 refs]. Health Technology

Petticrew, M., Sowden, A., and Lister-Sharp, D. False-negative results in screening programs. Medical,
psychological, and other implications. [Review] [45 refs]. International Journal of Technology

Phonrat, B., Ruengkris, T., Naksrisook, S., Intalapaporn, K., Jirakorbchaipong, P., and Pitisuttithum, P.
Psychosocial burden of women with abnormal Pap smears. Southeast Asian Journal of Tropical

C.M., Carter, G., and Geisinger, K.R. Frequency and outcome of cervical cancer prevention failures in

Ruba, S., Schoolland, M., Allpress, S., and Sterrett, G. Adenocarcinoma in situ of the uterine cervix:

Sherman, M.E., Carreon, J.D., and Schiffman, M. Performance of cytology and human papillomavirus

Siemens, F.C., van, Haaften C., Kuijpers, J.C., Helmerhorst, T.J., and Boon, M.E. Progression of
abnormal MIB-1 staining patterns of reserve cells in cervical smears from women ultimately developing

Stein, S.R. ThinPrep versus the conventional Papanicolaou test: A review of specimen adequacy,


Takei, H., Ruiz, B., and Hicks, J. Cervicovaginal flora. Comparison of conventional pap smears and a

Waller, J., Marlow, L.A., and Wardle, J. Anticipated shame and worry following an abnormal Pap test

Wang, K.-L., Jeng, C.-J., Yang, Y.-C., Chen, C.-A., Cheng, W.-F., Chen, T.-C., Mast, T.C., Wang, Y.-
C., and Hsieh, C.-Y. The psychological impact of illness among women experiencing human
papillomavirus-related illness or screening interventions. Journal of Psychosomatic Obstetrics and


Cervical Cancer Screening Update Excluded Studies List

Level 2: cervical cancer screening is not focus


Abdelmutti, N. and Hoffman-Goetz, L. Risk messages about HPV, cervical cancer, and the HPV vaccine


Chin, K. J. All women with abnormal genital tract bleeding should have gynaecological examination [9]. British Medical Journal. 1998;316(7124):71-.


Korman, J. Repeat Pap smear at the time of initial colposcopy--another view. Gynecologic Oncology. 1998;69(3):269-270.


Mergui, P. Therapeutic management of histologic lesions discovered through abnormal cervical smears.

Munro, M. G. Supracervical hysterectomy: ... A time for reappraisal. Obstetrics and Gynecology. 1997;89(1):133-139.


No authors listed Study reports vaginal gel can help improve reversion to normal pap smear. Oncology (Williston Park, N. 1996;Y.). 10(2):218, 221-


Pal, S. With longer survival rates, AIDS patients face elevated cancer risk. ONCOLOGY. 2011;25(2):-.


Patel, D. and Crane, L. R. Growing old with HIV. Current Infectious Disease Reports. 2011;13(1):75-82.


Sampson, A. J. Liability issues with the Papanicolaou smear: The view of a hospital administrator at Newport Hospital, Newport, Rhode Island. Archives of Pathology and Laboratory Medicine. 1997;121(3):241-245.


Level 2: Study Design


Bauch, C. T. Cervical cancer incidence can increase despite HPV vaccination - Author's reply. The Lancet Infectious Diseases. 2010;10(9):595-.

Burns, A., Sanghvi, H., Lu, R., Gaffikin, L., and Blumenthal, P. D. Saving women's lives from cervical cancer. Lancet. 4-16-2011;377(9774):1318-.

Certain cancers increase in pts on long-term ART. Focus should be on screening. AIDS Alert. 2011;26(4):41-43.


Hensley, S. Improving the benchmark. Makers of a better, more costly Pap test face a tough sell. Modern healthcare. 1997;27(19):52-.


Kline, T. S. The Papanicolaou smear: a brief historical perspective and where we are today. Archives of Pathology & Laboratory Medicine. 1997;121(3):205-209.


Melnikow, J. and Nuovo, J. Reducing mortality due to cervical cancer. PAPNET fails the test. Archives


Slater, D. N. Sensitivity of primary screening by rapid review: 'To act or not to act on the results, that is the question'. Cytopathology. 1998;9(2):77-83.


**Level 2: Outcomes**


Lim, E. J., Morgan, J., and Fielding, R. Cervical screening uptake in immunocompromised women in


Linder, J. and Zahniser, D. ThinPrep Papanicolaou testing to reduce false-negative cervical cytology. Archives of Pathology and Laboratory Medicine. 1998;122(2):139-144.


Ravolamanana, Ralisata L., Randrianjafisamindrakotroka, N. S., Rakoto, E. B., and Ranaivozanany, A.
[Value and limits of cytology in the diagnosis of cervico-vaginal lesions at the Mahajanga University Hospital Center: 465 cases]. [French]. Archives de l Institut Pasteur de Madagascar. 1999;65(1-2):120-123.


Schwartz, P. E., Hadjimichael, O., Lowell, D. M., Merino, M. J., and Janerich, D. Rapidly progressive


Wilbur, D. C., Dubeshter, B., Angel, C., and Atkison, K. M. Use of thin-layer preparations for gynecologic smears with emphasis on the cytomorphology of high-grade intraepithelial lesions and carcinomas. Diagnostic Cytopathology. 1996;14(3):201-211.


**Level 3: Population**


Bonfiglio, T. A. Diagnostic cytology of the uterine cervix: A major contribution and classic reference in


Linder, J. Automation of the Papanicolaou smear: a technology assessment perspective. [Review] [30


**Level 3: Intervention**


Test detects HPV. AIDS Patient Care and STDs. 1999;13(6):377-.


**Level 3: Comparison**


Arveux, P. Exclusion of low-risk women from screening programs for cervix uteri cancers: based on


Dinkelspiel, H., Poitras, N., Fetterman, B., Kinney, W., Cox, T., Lorey, T., and Castle, P. Cervical cancer rates in clinical practice with co-testing, interval extension and current evaluation of women with

Duggan, M. A. and Brasher, P. M. Accuracy of Pap tests reported as CIN I. Diagnostic Cytopathology. 1999;21(2):129-136.


Lazcano-Ponce, E., Lorincz, A. T., Salmeron, J., Fernandez, I., Cruz, A., Hernandez, P., Mejia, I., and Hernandez-Avila, M. A pilot study of HPV DNA and cytology testing in 50,159 women in the routine


Powell, N. Single HPV test not useful for predicting CIN2 or worse or for guiding choice of further investigations for women aged 20-59 presenting to NHS cervical screening programme with borderline abnormalities or mild dyskaryosis. Evidence-Based Medicine. 2010;15(6):182-183.


Sorbye, S. W., Fismen, S., Gutteberg, T., and Mortensen, E. S. Triage of women with minor cervical lesions: data suggesting a "test and treat" approach for HPV E6/E7 mRNA testing. PLoS ONE [Electronic Resource]. 2010;5(9):e12724-.


**Level 3: Outcomes**


Hatch, K. D., Schneider, A., and Abdel-Nour, M. W. An evaluation of human papillomavirus testing for


McKenzie, C. A. and Duncan, I. D. The value of cervical screening in women over 50 years of age -


Level 3: Study Design


**Level 4: Key Question**


Milne, D. S., Wadehra, V., Mennim, D., and Wagstaff, T. I. A prospective follow up study of women
with colposcopically unconfirmed positive cervical smears. British Journal of Obstetrics &

randomized, controlled trial of breast and cervix cancer screening in Mumbai, India: methodology and
interim results after three rounds of screening. International journal of cancer Journal international du
cancer. 2010;126(4):976-984.

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Rebolj, M., Pribac, I., and Lynge, E. False-positive Human Papillomavirus DNA tests in cervical

Summers, A. Mental, health consequences of cervical screening. Psychology, Health and Medicine.

van Wijngaarden, W. J., Duncan, I. D., and Hussain, K. A. Screening for cervical neoplasia in Dundee

Observational Excluded Studies List

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Gynecologic Oncology. 2009;Conference: 40th Annual Meeting of the Society of Gynecologic
Oncologists San Antonio, TX United States. Conference Start: 20090205 Conference End:
20090208.

Journal of Cancer Education. 2009; Conference: Joint Annual Meeting for AACE, CPEN, and
EACE 2009 International Cancer Education Conference Houston, TX United States.

ACOG Committee Opinion. Evaluation and management of abnormal cervical cytology and


Number 45, August 2003. Cervical cytology screening (replaces committee opinion 152, March


Cervical cancer prevention in low-resource settings. International Journal of Gynecology and

Challenges ahead for cervical cancer screening. European journal of cancer (Oxford, England :

Committee opinion no. 467: human papillomavirus vaccination. Obstetrics and Gynecology.


Now that I'm 65, can I stop getting Pap tests?. Mayo Clinic women's healthsource. 2006;10(6):10.


Anttila, A. and Ronco, G.. Description of the national situation of cervical cancer screening in


Baron, R. C., Rimer, B. K., Coates, R. J., Kerner, J., Mullen, P. D., Chattopadhyay, S., and Briss, P. A.. Methods for Conducting Systematic Reviews of Evidence on Effectiveness and


Biswas, A.. Human papillomavirus (HPV) and cervical cancer. Journal of the Indian Medical


Cuzick, J.. Routine audit of large-scale cervical cancer screening programs. Journal of the National Cancer Institute. 5-7-2008;100(9):605-606.


Fowler, C.. Smears reported as code 6-glandular abnormality--are associated with a high probability of a clinically significant lesion. Cytopathology. 2007;18(1):64.


Goldie, S. J., Kohli, M., Grima, D., Weinstein, M. C., Wright, T. C., Xavier, Bosch F., and


Mayo, R., Scott, D. B., and Williams, D. G.. The Upstate Witness Project: addressing breast


Milliez, J.. HPV vaccination and screening to eliminate cervical cancer. FIGO Committee for the Ethical Aspects of Human Reproduction and Women's Health. International Journal of


Ramsey, S. D., Cheadle, A. D., Neighbor, W. E., Gore, E., Temple, P., Staiger, T., and


Shafer, M.-A.. No: Recommending annual exams is not evidence based. Western Journal of


Wasserman, M., Bender, D., and Lee, S.-Y.. Use of preventive maternal and child health services by Latina women: A review of published intervention studies. Medical Care Research and Review. 2007;64(1):4-45.


Westhoff, C.. IUDs and colonization or infection with Actinomyces. Contraception. 2007;75(6 SUPPL.):S48-S50.


Level 2: Comparison


Bansal, M., Austin, R. M., and Zhao, C.. High-risk HPV DNA detected in less than 2% of over 25,000 cytology negative imaged liquid-based Pap test samples from women 30 and older. Gynecologic Oncology. 2009;115(2):257-261.


Hodgson, W., Kaplan, K. J., Rodriguez, M., McHale, M. T., Rose, G. S., and Elkas, J. C.. The impact of


Schalasta, G., Rosenthal, T., and Grothe, M.. Roche AMPLICOR human papilloma virus (HPV) and LINEAR ARRAY HPV tests will profit from automated DNA extraction. Clinical Laboratory. 2007;53(3-4):131-133.


Wilson, F.. HPV testing bests papanicolaou in 2 studies. Laboratory Medicine. 2000;31(3):126-.


Level 2: Outcomes


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Cenci, M. and Vecchione, A.. Usefulness of cervical collection by the Exact Touch, the Saccomanno single sampler, combined with automated primary screening. Diagnostic Cytopathology. 2000;23(4):242-244.


Chen, L. and Yang, B.. Assessment of reflex human papillomavirus DNA testing in patients with


Coquillard, G., Palao, B., and Patterson, B. K.. Quantification of intracellular HPV E6/E7 mRNA expression increases the specificity and positive predictive value of cervical cancer screening compared to HPV DNA. Gynecologic Oncology. 2011;120(1):89-93.


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Eloum, I. A. and Roberson, J.. Impact of HPV testing, HPV vaccine development, and changing screening frequency on national pap test volume: Projections from the National Health Interview Survey


Gage, J. C., Schiffman, M., Solomon, D., Wheeler, C. M., and Castle, P. E.. Comparison of


Guidos, B. J. and Selvaggi, S. M.. Detection of endometrial adenocarcinoma with the ThinPrep Pap


Hellsten, C., Sjostrom, K., and Lindqvist, P. G.. A prospective Swedish cohort study on psychosocial factors influencing anxiety in women referred for colposcopy. BJOG: An International Journal of


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Julian, T. M.. Erratum: Type-specific HPV testing as a predictor of high-grade squamous intraepithelial lesion outcome after cytologic abnormalities (Journal of Lower Genital Tract Disease (2005) 9, (3),


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McGrath, C. M., Kurtis, J. D., and Yu, G. H. Evaluation of mild-to-moderate dysplasia on cervical-endocervical (Pap) smear: A subgroup of patients who bridge LSIL and HSIL. Diagnostic


Moore, M. A. and Tajima, K.. Cervical cancer in the asian pacific-epidemiology, screening and


no authors listed. Many unnecessary Pap smears are performed after hysterectomy. Journal of Family Practice. 2004;53(9):682.


Pajtler, M., Milicic-Juhas, V., Milojkovic, M., Topolovec, Z., Curzik, D., and Mihaljevic, I.. Assessment
of HPV DNA test value in management women with cytological findings of ASC-US, CIN1 and CIN2. Collegium antropologicum. 2010;34(1):81-86.


Pickett, K. E.. HPV triage was more sensitive than cytological monitoring for management of women with an ASCUS cervical screening result. Evidence-based Obstetrics and Gynecology. 2004;6(3):147-149.


Schledermann, D., Ejersbo, D., and Hoelund, B.. Significance of atypia in conventional Papanicolaou


Wentzensen, N., Bergeron, C., Cas, F., Vinokurova, S., and Von Knebel, Doeberitz M.. Triage of


Yuan, Q. and Wilbur, D. C.. Original cervical cytology and follow-up biopsy results in positive high risk


**Level 2: Answered No**


Blanks, R. G. and Kelly, R. S.. Comparison of cytology and histology results in English cervical screening laboratories before and after liquid-based cytology conversion: Do the data provide evidence for a single category of high-grade dyskaryosis?. Cytopathology. 2010;21(6):368-373.


The evolving definition of carcinogenic human papillomavirus. Infectious Agents and Cancer. 2009;4(1):-


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Feng, J., Al-Abbadi, M. A., Bandyopadhyay, S., Salimnia, H., and Husain, M.. Significance of high-risk


Khuakoonratt, N., Tangjitgamol, S., Manusirivithaya, S., Khunnarong, J., Pataradule, K., Thavaramara,


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Arias, Y. R., Carrillo, E. F., and Aristizabal, F. A.. Human papillomavirus (HPV) detected in restored


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Halfon, P., Benmoura, D., Agostini, A., Khiri, H., Martineau, A., Penaranda, G., and Blanc, B.. Relevance of HPV mRNA detection in a population of ASCUS plus women using the NucliSENS


Howard, K., Salkeld, G., McCaffery, K., and Irwig, L.. HPV triage testing or repeat pap smear for the management of a typical squamous cells (ASCUS) on pap smear: Is there evidence of process utility?. Health Economics. 2008;17(5):593-605.


Ko, V., Tambouret, R. H., Kuebler, D. L., Black-Schafer, W. S., and Wilbur, D. C.. Human papillomavirus testing using Hybrid Capture II with SurePath collection: Initial evaluation and


Li, N., Shi, J.-F., Franceschi, S., Zhang, W.-H., Dai, M., Liu, B., Zhang, Y.-Z., Li, L.-K., Wu, R.-F., De,


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Schneider, A., Hoyer, H., Lotz, B., Leistritz, S., Kuhne-Heid, R., Nindl, I., Muller, B., Haerting, J., and Durst, M.. Screening for high-grade cervical intra-epithelial neoplasia and cancer by testing for high-risk


Stamataki, P., Papazafiropoulou, A., Elefsiniotis, I., Giannakopoulou, M., Brokalaki, H.,


Thiryayi, S. A., Marshall, J., and Rana, D. N.. Differentiating between endocervical glandular neoplasia and high grade squamous intraepithelial lesions in endocervical crypts: Cytological features in ThinPrep


Zhao, C., Florea, A., Onisko, A., and Austin, R. M.. Histologic follow-up results in 662 patients with


Level 2: Answered No


Anderson, R., Haas, M., and Shanahan, M.. The cost-effectiveness of cervical screening in Australia: What is the impact of screening at different intervals or over a different age range?. Australian and New


Becker, N. Epidemiological aspects of cancer screening in Germany. Journal of cancer research and


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Jeng, C.-J., Ko, M.-L., Ling, Q.-D., Shen, J., Lin, H.-W., Tzeng, C.-R., Ho, C.-M., Chien, T.-Y., and


Kulasingam, S. L. and Myers, E. R.. Potential Health and Economic Impact of Adding a Human


Maissi, E., Marteau, T. M., Hankins, M., Moss, S., Legood, R., and Gray, A.. The psychological impact of human papillomavirus testing in women with borderline or mildly dyskaryotic cervical smear test


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case-control study of prospectively recorded data.[Erratum appears in BMJ. 2009;339:b3115]. BMJ. 2009;339:b2968-.


Spiryda, L. B., Brown, M., Creek, K. E., and Pirisi-Creek, L.. HSIL pap test and risk factors predicting acquisition of CIN 2/3 on colposcopy-directed biopsies. Journal of the South Carolina Medical


Walter, L. C., Lewis, C. L., and Barton, M. B.. Screening for colorectal, breast, and cervical cancer in


**Level 4: Population-Women are not between the ages of 15 and 70 years**


Hoonhorst, F. and Hamon, A.. Cervical cancer and HPV screening. [French]. IRBM News. 2008;29(3-
Level 4: Intervention - Conventional Pap tests, smear, liquid-based Pap test, HPV DNA testing or computer assisted screening.


Level 4: Comparison - No screening, celibate or one partner women as low risk comparators, liquid-based pap test, conventional pap test or HPV DNA testing


Flori, M., Dupraz, C., Erpeldinger, S., and Le, Goaziou M. F.. Cervical smears among women after 65


van der Aa, M. A., De Kok, I. M. C. M., Siesling, S., van, Ballegooijen M., and Coebergh, J. W. W.. Does lowering the screening age for cervical cancer in the Netherlands make sense?. International

Level 4: Outcomes Of screening


Level 4: Is this an appropriate study design: systematic review, meta-analysis, RCT or observational?


