

At-home self-collected samples valid for detecting high-risk HPV

December 4 2018



(HealthDay)—Mail-based, at-home self-collection of cervicovaginal

samples is valid for detecting high-risk human papillomavirus (HPV) among infrequently screened women, according to a study published online Nov. 5 in *Obstetrics & Gynecology*.

Andrea C. Des Marais, M.P.H., from the University of North Carolina in Chapel Hill, and colleagues recruited low-income, infrequently screened [women](#) to participate in an observational study. Participants provided two self-collected cervicovaginal samples (one at home and one in the clinic) and a sample collected by a clinician. Samples were tested for high-risk HPV; cervical samples were also tested by liquid-based cytology.

One hundred ninety-three women had conclusive high-risk HPV results for all three samples and cytology results. The researchers found that high-risk HPV prevalence among self-home samples (12.4 percent) did not differ significantly from the prevalence among clinician samples (11.4 percent; $P = 0.79$) or self-clinic samples (15.5 percent; $P = 0.21$). In all sample types, there was an increase in positivity for high-risk samples with increasing grades of cervical abnormality. High-risk HPV was detected by self-home samples in all identified cases of high-grade squamous intraepithelial lesions and [cervical intraepithelial neoplasia 2](#) or worse. Most participants reported no difficulty understanding the instructions for self-collection and were willing to use self-collection again (93.6 and 96.3 percent, respectively).

"We found in this sample, all of the women who had high-grade lesions had HPV-positive home self-collection results," a coauthor said in a statement. "We didn't miss any of those high-grade cases by conducting home self-collection."

Equipment was donated by Hologic and Rovers Medical Devices; several authors disclosed financial ties to these and other biopharmaceutical and medical device companies.

More information: [Abstract/Full Text \(subscription or payment may be required\)](#)

Copyright © 2018 [HealthDay](#). All rights reserved.

Citation: At-home self-collected samples valid for detecting high-risk HPV (2018, December 4)
retrieved 30 April 2024 from

<https://medicalxpress.com/news/2018-12-at-home-self-collected-samples-valid-high-risk.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--