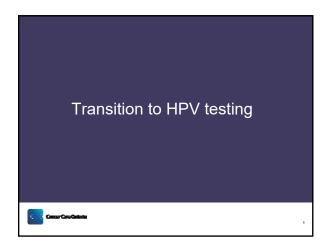


Cervical Screening in Ontario

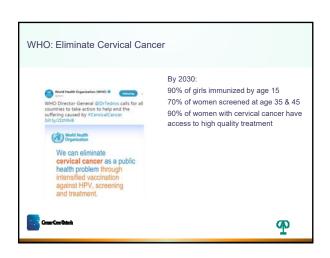
1,100,000 screening tests/year

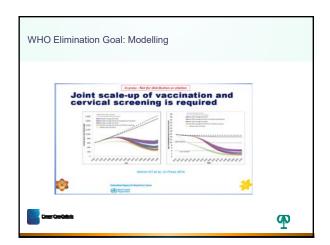
7% abnormal

86% are low grade abnormalities

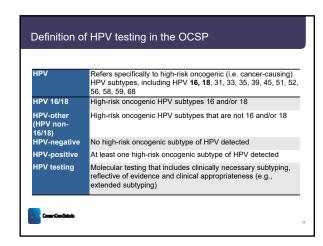


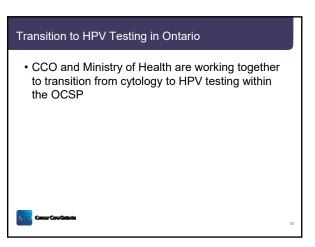
Drivers for Transitioning to HPV Testing Decreased performance of cytology as prevalence of HPV decreases due to school-based immunization Better detection of pre-cancer and early cervical cancer Reduction of unnecessary colposcopy referrals Safer, earlier, more appropriate discharge from colposcopy Risk-based intervals after discharge from colposcopy Improving quality and effectiveness of cervical screening and colposcopy in Ontario

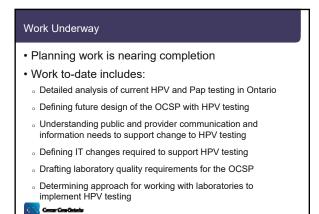


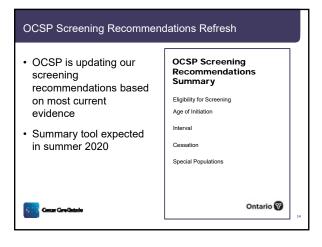


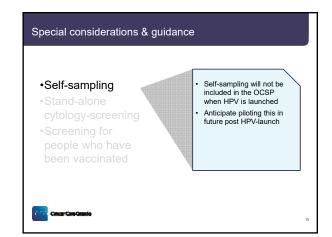
HPV Testing: An Overview Tests for oncogenic HPV and some sub-types (e.g. 16/18) HPV testing quickly and accurately determines whether a person is at risk for developing cervical cancer Higher sensitivity than Pap test (98% vs. 55%) High NPV (>99%) Objective, reproducible Determines risk status Longer screening interval possible due to longer duration of protection (5 year vs. 3 year)

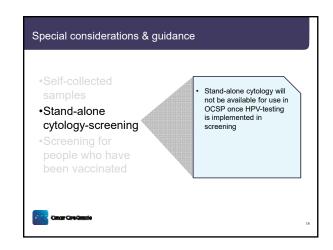


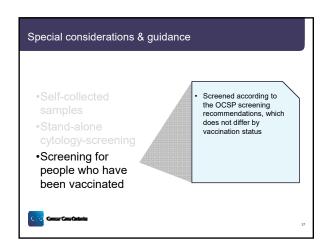


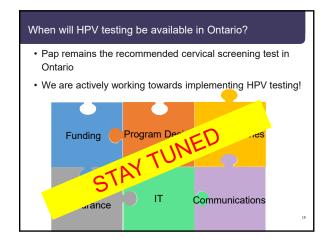








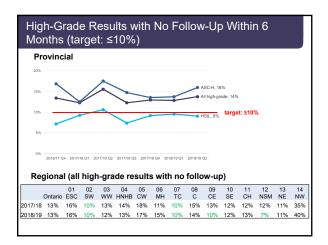




In the Meantime...

- Current challenges we would like to address in the program before launch include:
 - Too many people with high-grade results who are lost to follow-up
- Lack of clarity regarding appropriate use of HPV testing in the current state
- Sub-optimal screening participation rates





Importance of Referral of High-Grade Results

 People with <u>ANY</u> high-grade results are at a higher risk of having or developing cervical cancer and therefore require referral to colposcopy

Result	Depiction
Atypical squamous cells of undetermined significance (ASC-US)	Borderline or mild pre- cancerous abnormal cells
Low-grade squamous intraepithelial lesion (LSIL)	detected (low grade)
Atypical squamous cells – cannot rule out high- grade squamous intraepithelial lesion (ASC-H)	Significant pre-cancerous abnormal cells detected (high grade)
High-grade squamous intraepithelial lesion (HSIL)	
Atypical glandular cells (AGC)	
Adenocarcinoma in situ (AIS)	
Squamous cell or glandular cell carcinoma	Cancer cells detected

In the Meantime...

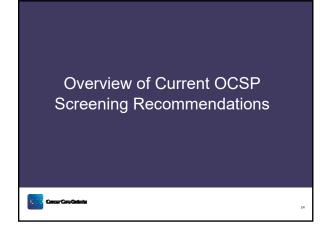
- Current challenges we would like to address in the program before launch include:
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- Sub-optimal screening participation rates

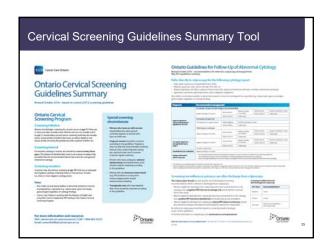


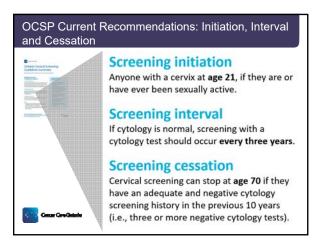
Current State of HPV Testing in Ontario

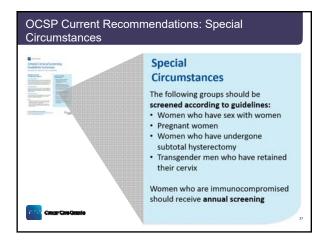
- HPV testing is available in Ontario:
- On a patient-pay basis; or
- Provided without charge in some hospitals
- OCSP currently recommends HPV testing as an optional triage test for women ≥30 years old with cytology ASCUS
- LSIL or ASCUS with HPV + → colposcopy
- LSIL or ASCUS with HPV \rightarrow routine screening with cytology in 3 years

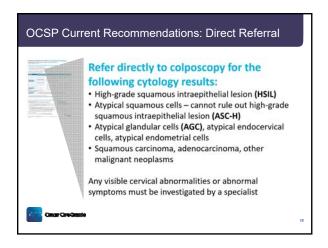


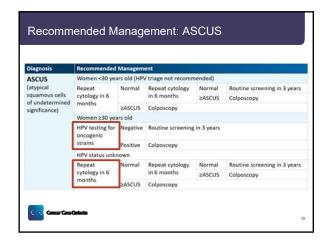


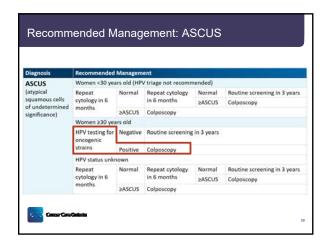


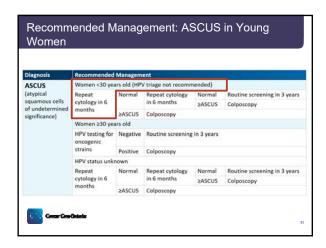


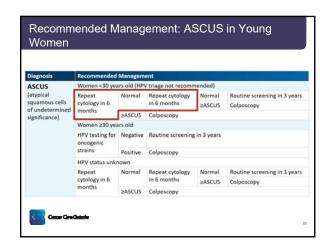


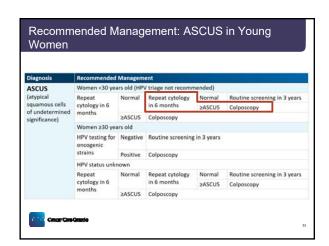


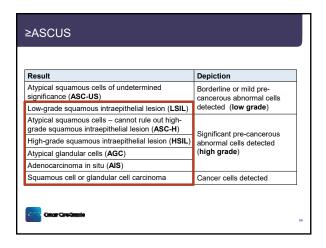


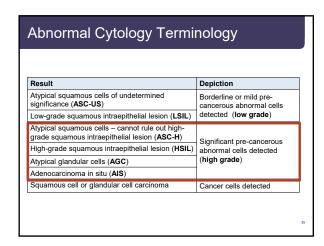


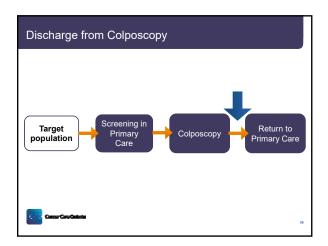


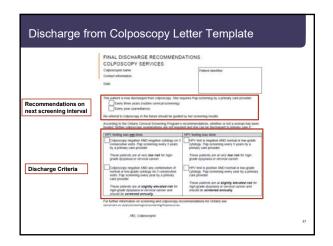


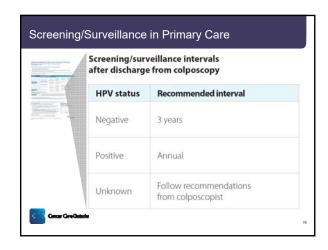


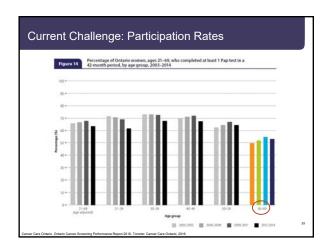




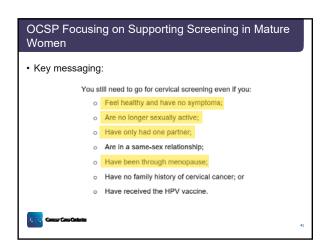


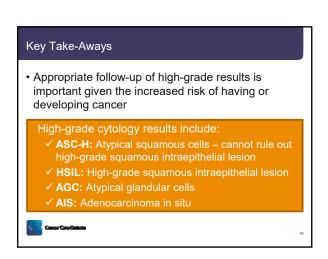












Key Take-Aways Continued

- HPV testing is coming, but in the meantime the current cytology-based guidelines should be used
- Today, HPV testing is being used on a patient-pay basis or provided without charge in some hospital labs
- Where HPV testing is available or patient's accept as a self-pay option:
 - Our guidelines recommend optional HPV triage for women ≥30 years old with cytology ASCUS



Encourage Screening Participation among all eligible candidates according to guidelines • For individual benefit • To achieve elimination goals

Questions?