Online screening and vPE improved genetic testing rates while helping providers meet ACOG HCRA guidelines.

We implemented virtual patient education (vPE) via a pre-recorded video (vPE-V) or video and a telephone call with a certified genetic counselor (vPE-VT), in community OB/Gyn practices.

OBJECTIVE:
- To evaluate the impact of vPE on genetic testing rates, and hence comprehensive HCRA.

Methods
- Five community OB/Gyn practices participated.
- An 8-week pre-intervention period was followed by an intervention period where providers implemented and practiced HCRA using an online patient screening tool (myGeneHistory™, Myriad Genetic Laboratories, Inc.) and vPE (Figure 1).
- HCRA and vPE metrics before and after the intervention were compared using logistic regression and are reported with 95% confidence intervals (CIs).

Results
- Of patients who met guidelines for genetic testing, the percentage who were offered testing was significantly higher post-intervention compared with pre-intervention (89.1% vs 59.1%, respectively; OR, 2.06; p < 0.001) (Figure 3).
- The percentage of guideline-eligible patients who subsequently completed testing was also significantly higher post- compared with pre-intervention (34.2% vs 16.0%, respectively; OR, 2.38; p < 0.001) (Figure 3).

Conclusions
- Online screening and vPE improved genetic testing rates while helping providers meet ACOG HCRA guidelines.