

## Background

- Shortening visits is one strategy that may increase access to genetic counseling, by helping genetic counselors (GCs) to see more patients
- Education videos have shown promise for shortening the length of visits

### Aim

Assess implementation and efficiency outcomes of providing education videos before pre-test prenatal genetic counseling visits

## Methods

- Quality improvement project of consecutive pre-test prenatal visits currently booked for 60 minutes



Before-after study design

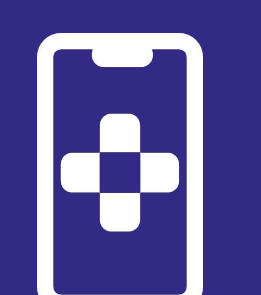
- Before group: before videos implemented
- After group: educational videos on NIPT and carrier screening emailed to patients before the visit



Efficiency: proportion of visits <32 minutes, a metric chosen to determine whether 30 minute visits are feasible

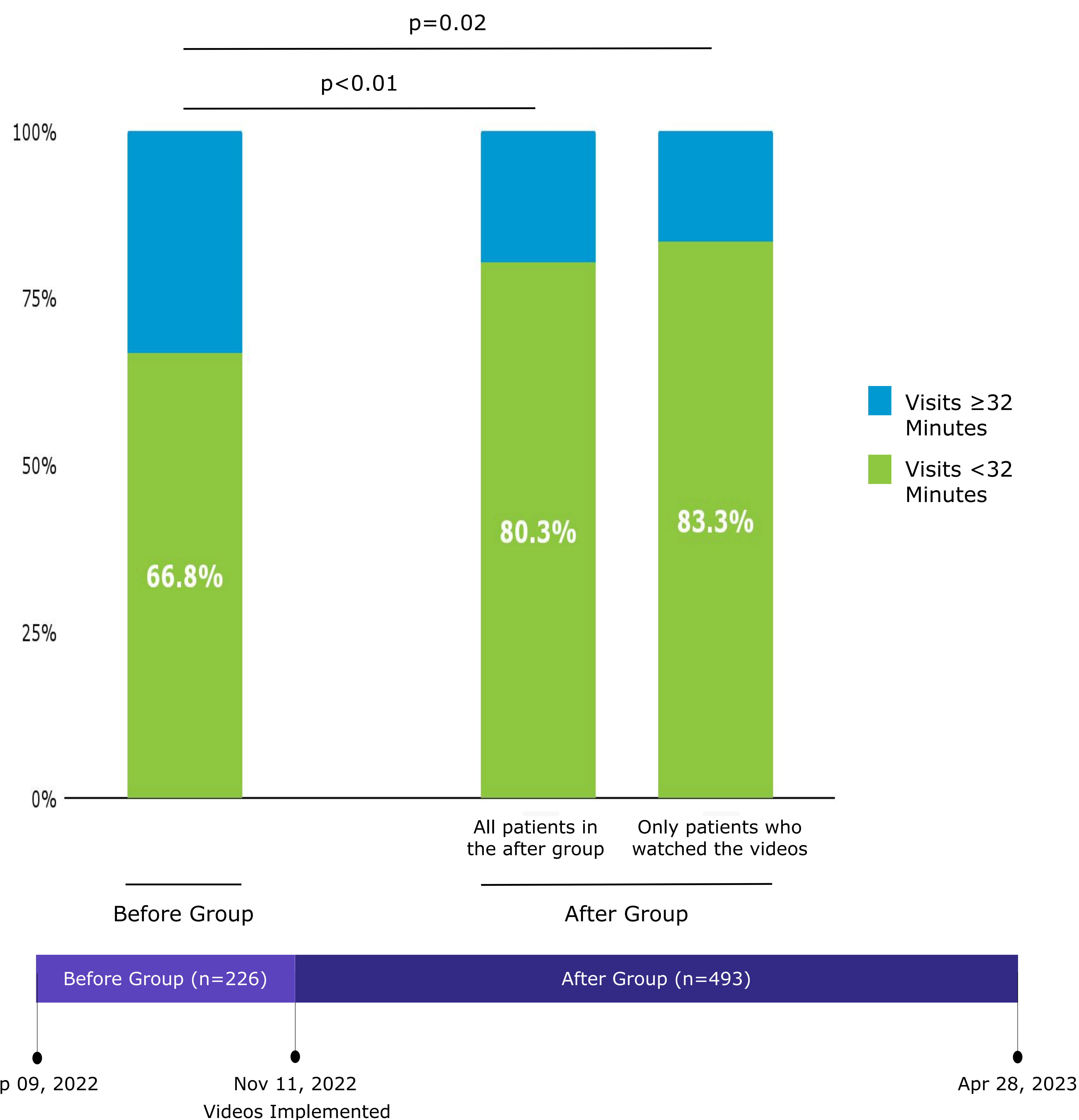


Implementation: proportion of patients in after group who were emailed videos and who watched them



Data collection: chart review. GC surveys on implementation, patient and GC perspective on a subset of after group

# Pre-visit education videos reduce prenatal visit length. Patients and GCs find videos helpful.



## Results

n: **719** Patients  
Mean age: **37y**  
Gender: **97%** Female

### Implementation

Implementation data available for 339 patients (68.8%, 339/493)

**75%** (255/339) Patients in after group who were emailed videos

Most patients who were not emailed videos did not have an email address submitted with the referral (97.6%, 82/84)

**21%** (54/255) Patients watched the videos (of those emailed)

Most patients who did not watch videos did not recall seeing option to watch them (87.1%, 175/201)

### Patient Perspective

**87%** (47/54) Patients found NIPT video helpful

**80%** (43/54) Patients found carrier screening video helpful

### GC Perspective

**61%** (33/54) Cases where GC perceived that videos reduced time spent on education in visits

## Conclusion

- Pre-visit videos may increase efficiency of care and thus access to GCs
- Improvements in implementation are needed

Pre-visit education videos shorten pre-test prenatal visits and are perceived favorably by GCs and patients

Aditi Makaram, Kelley Godwin, Betsy Swope, Beth Denne, Ava Willoughby, Caitlin Campbell, Colleen Caeshu



Scan for PDF of poster

