

Does implementation of a video module improve patient knowledge about gestational weight gain? Society for

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Background

- There are specific guidelines stating how much weight patients should gain during pregnancy based on their pre-pregnancy BMI.
- Approximately one third of women receive no counseling about these gestational weight gain (GWG) guidelines.
- Those who are counseled are often not satisfied with their discussion, and may instead receive advice about GWG from friends or family.

Objectives

To determine if implementation of a video module improves patient knowledge about gestational weight gain.

Study Design

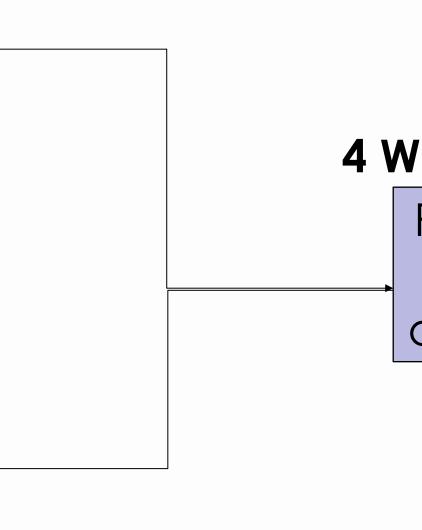
- Prospective cohort study conducted from February-October 2019
- Patients were recruited from a large academic practice during the first trimester

Control Cohort

First Trimester Visit 1.Complete baseline GWG knowledge questionnaire 2.Routine provider counseling.

Video Cohort

First Trimester Visit 1.Complete baseline GWG knowledge questionnaire 2.Watch GWG video.



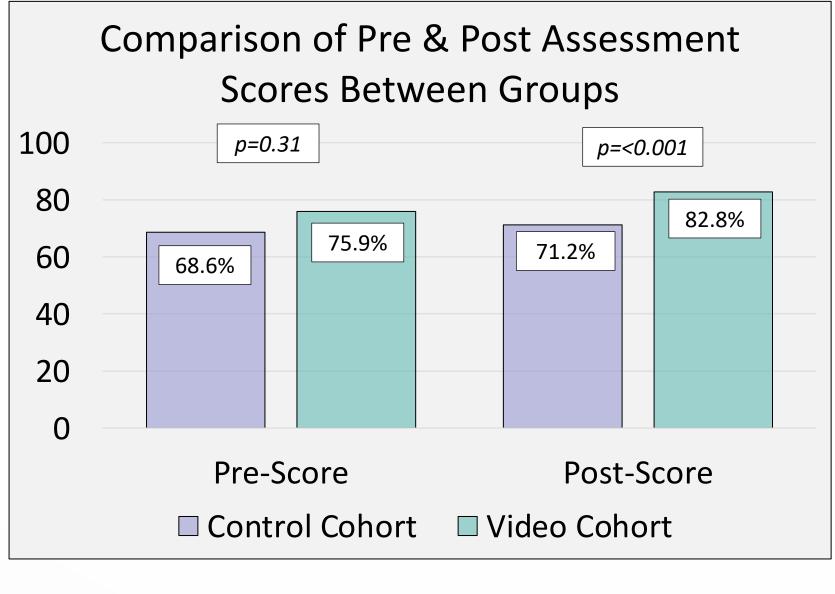
• The GWG video module was 5 minutes long, created by the study team, with information from ACOG & March of Dimes

4 Weeks Later

Repeat GWG knowledge questionnaire.

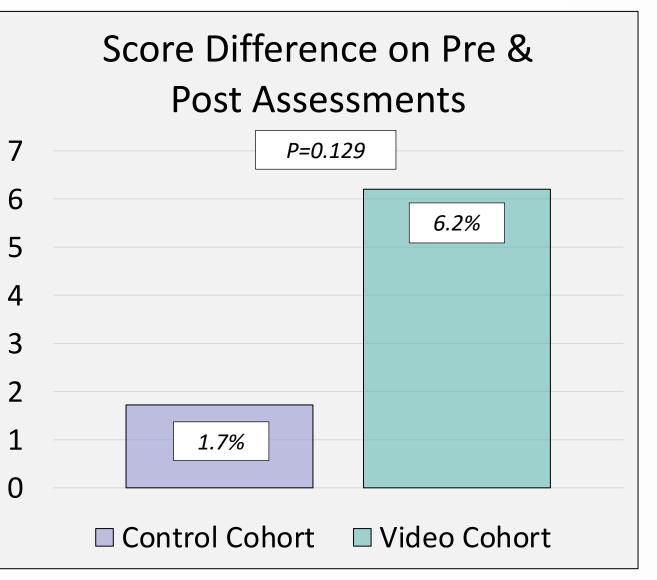
	Control Cohort n=79	Video Cohort n=76	p-value		Control Cohort n=79	Video Cohort n=76	p-value
Race				Income (U.S. Dollars)			
Caucasian	44 (55.7)	51 (67.1)	0.06	<30k	16 (20.8)	11 (14.9)	0.725
Black	4 (5.1)	10 (13.2)		30-50k	15 (19.5)	12 (16.2)	
Asian	7 (8.9)	3 (3.9)		50-80k	13 (16.9)	16 (21.6)	
Hispanic	20 (25.3)	11 (14.5)		80-100k	7 (9.1)	10 (13.5)	
Other	4 (5.1)	1 (1.3)		>100k	26 (33.8)	25 (33.8)	
Education				Insurance			
<high school<="" td=""><td>5 (6.3)</td><td>2 (2.6)</td><td rowspan="3">0.016</td><td>None</td><td>1 (1.3)</td><td>0 (0)</td><td rowspan="3">0.206</td></high>	5 (6.3)	2 (2.6)	0.016	None	1 (1.3)	0 (0)	0.206
High school	32 (40.5)	15 (19.7)		Medicaid/Medicare	39 (49.4)	29 (38.2)	
College	22 (27.8)	33 (43.4)		Private	39 (49.4)	47 (61.8)	
Graduate school	20 (25.3)	26 (34.2)		Provider			
Marital Status			0.532	Residents	15 (19)	4 (5)	0.034
Single	28 (36.4)	24 (31.6)		General Obstetricians	22 (28)	16 (22)	
Married	49 (63.6)	52 (68.4)		Maternal-Fetal Medicine	14 (18)	18 (24)	
Pre-Pregnancy Weight (kg)	72.65±21.7	75.2±20.7	0.424	Certified Nurse Midwives	28 (35)	36 (49)	
Pre-Pregnancy BMI (kg/m ²)	27.6±7.6	27.8±7.5	0.787				
Age (years)	30.4±5.2	31.9±4.5	0.065				

Figure 1. Pre and post assessment scores in both the control & video cohorts.



Results

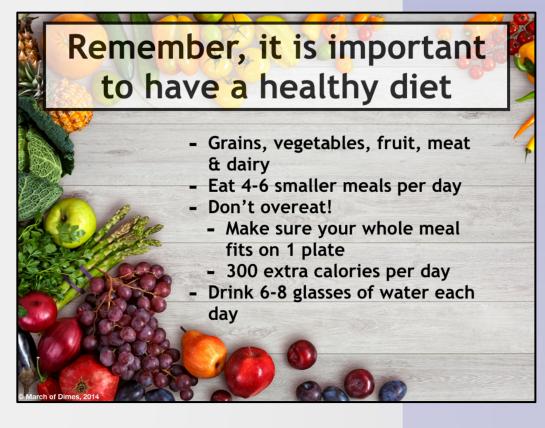
Figure 2. Score improvement from the pre to the post assessment for both the control & video cohorts.



Conclusion

- Use of a video module did not show a significant improvement in GWG knowledge.
- Our video cohort overall had a higher level of education.
- This makes it difficult to interpret if the video module may have improved knowledge.
- The visual improvement seen in the score difference for the video group suggests that a video module may improve knowledge. Cohorts of similar education level are
- needed to better assess this.

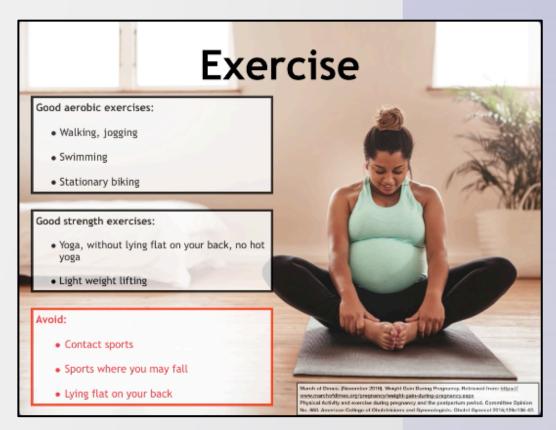




Maternal Feta

Medicine





References

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