Quality Improvement Project for Pregnancy Weight Management

(n=8) Obese

(n=12)

23.08 21

during pregnancy:

Monica Ketchie DNP, APRN, CNM, ANP

B. Jane Garvin PhD, APRN, FNP-BC

Augusta University

Background

Nearly 60% of women in the US enter pregnancy above a healthy weight (CDC, 2012). Elevated BMI's place women at risk for adverse outcomes. These risks increase as prepregnancy BMI categories increase, and rise further with more weight gain (ACOG, 2013).

Risks of obesity and pregnancy: Miscarriage Fetal anomalies Gestational Diabetes Labor dystocia Cesarean Section Post-partum Hemorrhage Thrombosis Preterm Labor Pre-eclampsia

Despite guidelines based on pre-pregnancy BMI set by the IOM, only 30% of women stay within recommended weight gain during pregnancy (CDC, 2012). Gaining weight above recommendations increases risk of adverse outcomes (ACOG, 2013).



- Weight retention potentially increasing the risk of entering the next pregnancy at a higher BMI and increasing the risk of long-term obesity
- Maternal obesity increases the risk of childhood and adulthood obesity in children

(Leddy, Power, & Schulkin, 2008; Nehring, Schmoll, Beyerlein, Hauner, & Kries, 2011; Rooney & Schauberger, 2002).

Aims

- Examine evidenced based literature on pregnancy weight management interventions
- Describe present patient population of a midwifery practice
 Describe CNM's and their resources
 Make recommendations for improving
- weight gain in pregnancy in a small midwifery practice

Methods

Data collection for this project included two parts: retrospective longitudinal chart review of electronic health records from a midwifery practice deliveries in July 2013 and a cross sectional survey of 9 CNM's employed at the midwifery practice.

Results

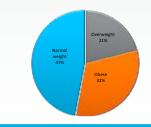
Literature Review:

Overall, intervention groups of all BMI categories gained less weight than controls.					
Diet had the highest effectiveness, followed by physical activity, then behavioral therapy	Umbations. Diverse Interventions, nimers y, duration 7 stilety overtep	Identified cov cost strategies Increased 1:1 strention with CW/OB women			

Electronic Health Record Review:

- lectronic nearth Record Review.
- Of the 67 women delivering during July 2013, 38 women met inclusion criteria and were included in this analysis. Over 50% Entered Pregnancy above a

Healthy Weight



Practice Weight Gain by BMI Category:							
Weight groups	Mean Lbs	Median		Range			
Normal weight (n=18)	25.56	27	7.86	12-42			
Over- weight	29.88	33.5	16.63	10-57			

34% of women gained excessive weight

Results Cont'd

10.84

Aet ION 29%

bove ION

Younger women (<28 years) were more

· Women with higher pre-pregnancy BMIs

(>25) were more likely to gain weight above

all

Better writter

office video

likely to gain weight above the IOM

Significant practice findings:

recommendations.

IOM guidelines.

CNM Survey Results:

Increased

Dietitian

6-36

Counsel all or

risks / lone

term effects

Practice Recommendations



Computer prompts and automatic BMI calculation at initial with	ChM's to review IOM's guidelines and use with patient manualing each visit	Weight graps on EMR for each patient every visit to monitor weight gain based on ICM's recommendations based on propregnancy BMI
Bingcal witten meterial ava iblis from Centering to use with all putients	3 Ingual witten information from scholarly source on hnalthy rating, physical activity, and schovioral therapy to use with all satients	Froude every patient a food diary and minew tash welt
Sefer to Qietitian	Individualize a plan and consider 1:1 counsering with women that are OW or OB	CNNFs to share and discuss information at moetings for cohesive and consistent information for patients

References



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