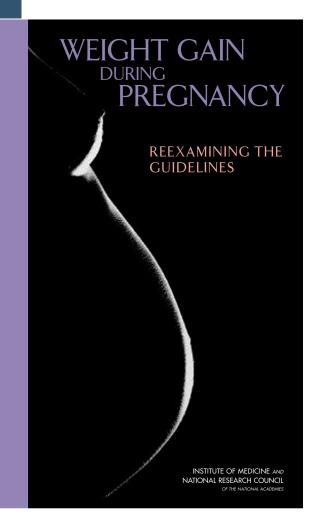
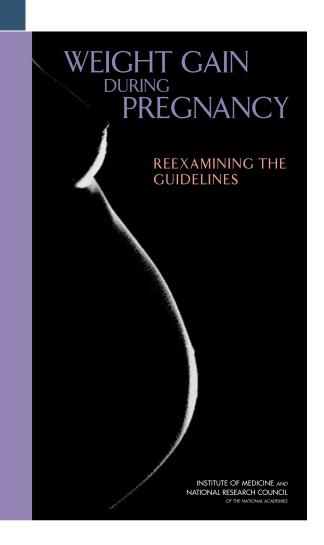


Reflections on the 2009 Institute of Medicine Gestational Weight Gain Guidelines

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No disclosures.



What prompted the reexamination of the guidelines in 2009?



Increases in rates and severity of obesity.



Changing demographics of the general US pregnant population.



Increases in chronic health problems before conception.

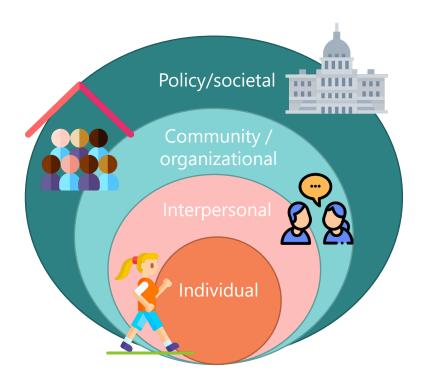


Excessive pregnancy weight gain was common in all BMI groups.



Recognition of the impact of excessive pregnancy weight gain.

Maternal weight is affected by different levels and types of influence.



Weight intervention programs to must target all levels.

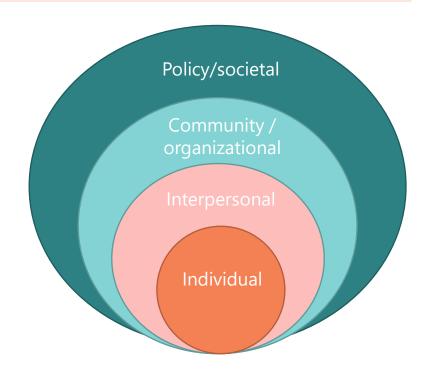
Prepregnancy BMI is more strongly related to adverse outcomes than pregnancy weight gain.



Interventions:

✓ Before pregnancy

✓ In between pregnancies



Many health outcomes are related to pregnancy weight gain.

Strong evidence:

Infant:

SGA birth

LGA birth

Preterm birth

Child obesity

Maternal:

Cesarean delivery

Postpartum weight retention

More evidence needed:

Infant:

Stillbirth

Infant death

Longer-term health

Maternal:

Gestational diabetes

Preeclampsia Breastfeeding

Longer-term obesity

Longer-term health

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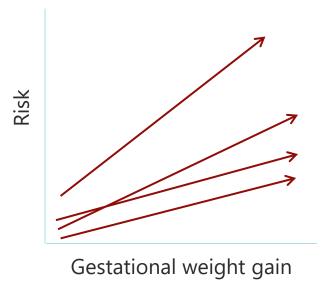
Breastfeeding

Longer-term obesity Longer-term health

Guidelines must account for the risk of both *low* and *high* weight gain for both *mothers* and *children*.

Stronger evidence:

Maternal: Infant:
Cesarean delivery
Postpartum weight retention LGA birth Child obesity



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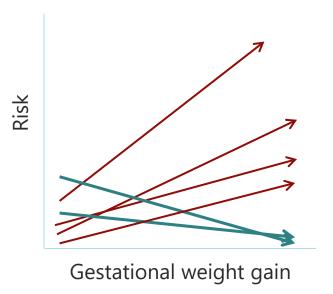
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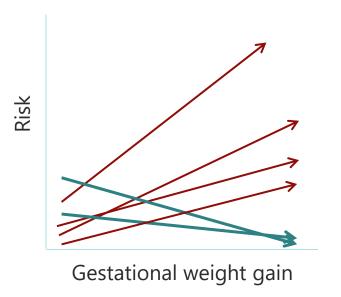
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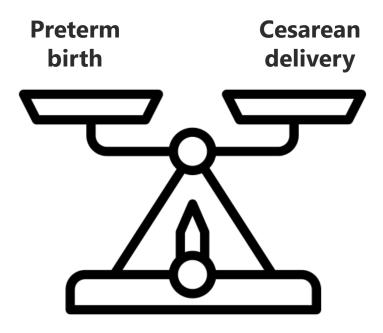
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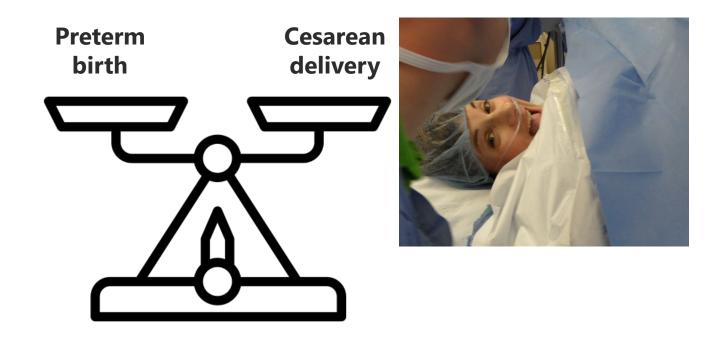




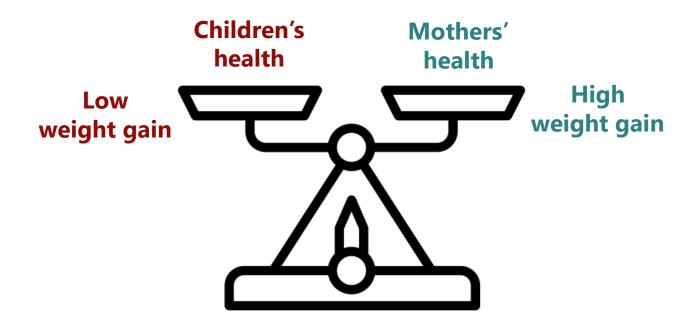
Some health outcomes are more serious than others.



Some health outcomes are more serious than others.



Guidelines must reconcile these trade-offs.



Inadequate data to stratify guidelines by obesity class.



Increase in prevalence of severe obesity



Modifying effect of BMI



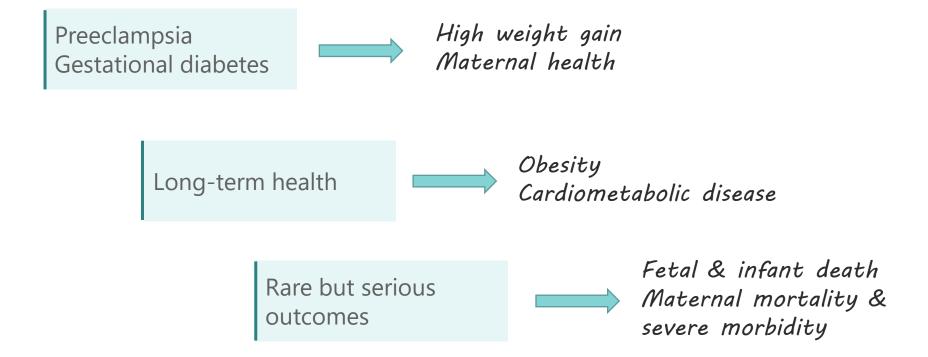
Safety of low weight gain or weight loss

Too few weight gain intervention trials.



How much can we modify weight gain? Are associations causal?

Data on important outcomes were unavailable.



Quantitative data to allow a systematic balancing of risks of low and high weight gain for mothers and children.



(We needed a formal decision analysis)

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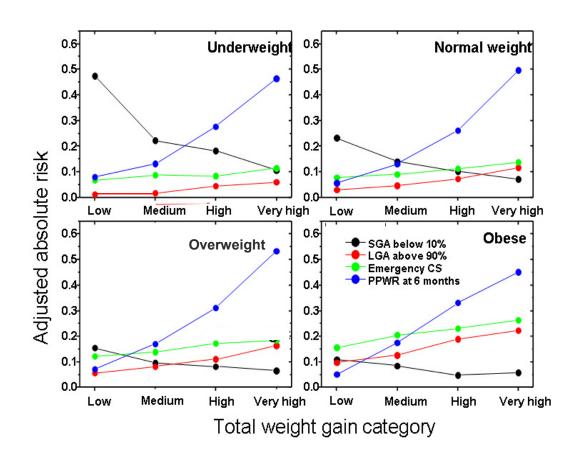
Utility values for all health outcomes.

Precise risk estimates for competing outcomes across the weight gain continuum.

Quantitative methods to weight outcomes when recommendations have opposing effects.

Quantitative data to allow a systematic balancing of risks of low and high weight gain for mothers and children.

Guidelines were based on clinical judgment and qualitative assessments of data like these



Adoption by the American College of Obstetricians and Gynecologists and international organizations



COMMITTEE OPINION

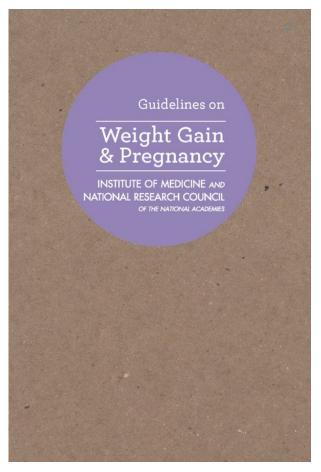
Number 548 • January 2013 (Reaffirmed 2020)

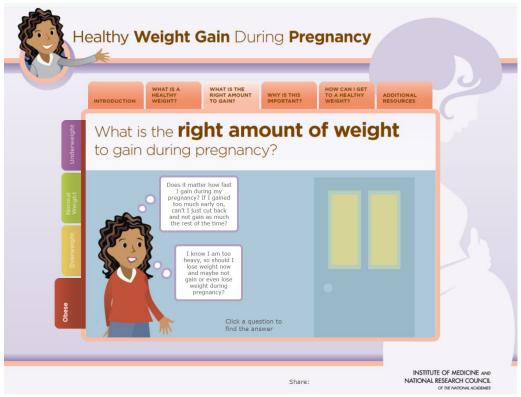
Committee on Obstetric Practice

This document reflects emerging clinical and scientific advances as of the date issued and is subject to change. The information should not be construed as dictating an exclusive course of treatment or procedure to be followed.

Weight Gain During Pregnancy

Dissemination materials for care providers.







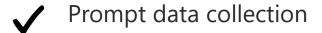
Revision of birth certificate in 2003 allowed BMI and weight gain monitoring and surveillance.







Integration of BMI and weight gain into electronic health records.



Automated to calculate BMI, recommended weight gain, suggestions for weight gain counseling.

Research explosion!



