Early intervention to prevent obesity and reduce obesity inequalities:

the current state of knowledge and implications for health promotion research, policy and practice

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Theme A: Gaps between evidence of effectiveness and what occurs in practice 15 June 2016









Outline

- NFER Childhood obesity and inequalities
- Early intervention
- Policy and practice context
- Implications for future research and practice in the area of obesity prevention during infancy

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Concluding remarks



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Childhood obesity

- Nationally 1 in 4 three-year olds is overweight or obese¹
- Tracks into adulthood^{2,3}
- Rapid growth in infancy associated with adult adiposity and obesity⁴ and cardiometabolic risk⁵
- Overweight/obesity appears to be levelling off in Ireland⁶; not in the US⁷
- Associated factors include maternal pre-pregnancy overweight, smoking during pregnancy, high infant birthweight, rapid weight gain⁸
 ROLO study - Maternal BMI 2 years postpartum positively associated with offspring BMI⁹









Childhood obesity - inequalities

- Rates, and tracking, of overweight and obesity are socio-economically patterned^{1,3}
- Strong socioeconomic gradient exists for the majority of the early-life predictors of obesity¹⁰
 - (1) pre-natally: pre-pregnancy maternal BMI, diabetes, pre-pregnancy diet
 - (2) antenatal/peri natally: smoking during pregnancy, low birth weight
 - (3) early-life nutrition: breastfeeding initiation and duration, early introduction of solids, maternal and infant diet quality
- Interventions do not increase inequalities¹¹









Early intervention

- Pregnancy and the early years = critical window for tackling childhood overweight and obesity
 - WHO Commission on Ending Childhood Obesity¹²
- Also associated socio-economic inequalities¹³
 - Marmot Review: Fair Society Healthy Lives¹⁴
- Recent \uparrow nos. of interventions involving children aged <2y¹⁵
 - Impact on child weight is limited









Some of the interventions...



Policy & practice context

- Obesity (+ early intervention) = national policy priority
 - Proportional universalism
- Health professionals details of what/how unclear



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Make every contact count!

Implications for future research and practice

- Why do interventions work / not?
- What happens in practice? How can we standardise effective practice?
 - Need to ground in evidence
- What are health professionals' and parents' views and experiences of preventative interventions and engaging in same?









Concluding remarks

- Obesity is a significant challengeit's certainly not going away
- Prevention / early intervention is key
 ...but we need to better understand what works
- Need to move from policy rhetoric... ...to effective action...



…Together…Multi-disciplinary, multi-sectoral, multi-level approach





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Questions?

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interested in health-related behaviour change.



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