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## **Early Life Factors and Obesity**

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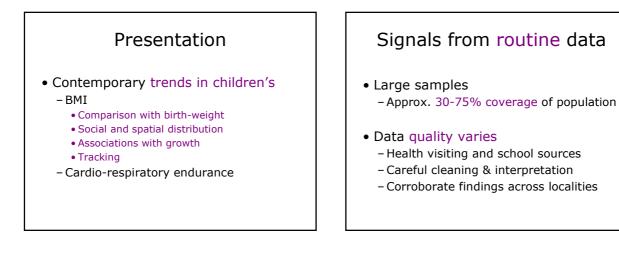
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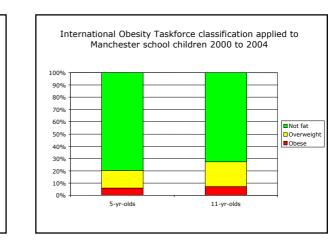


# Early Life and Obesity Lain Buchan The University of Manchester buchan@manchester.ac.uk Obesity & Health Conference 2006

### Acknowledgements

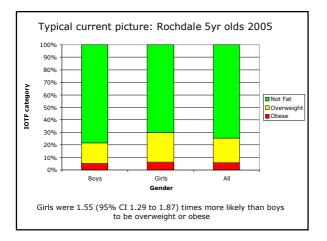
- Peter Bundred
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- Denise Kitchiner
- Gareth Stratton
- NHS colleagues

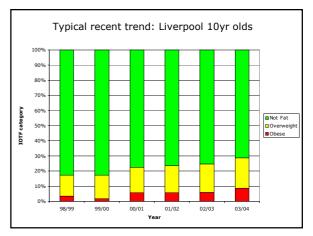


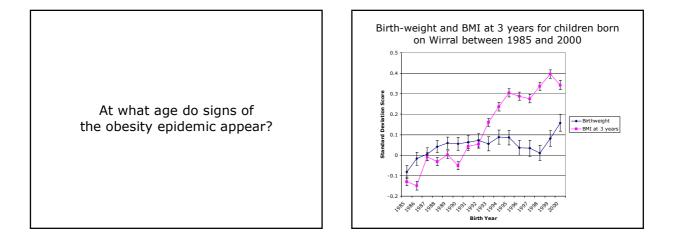


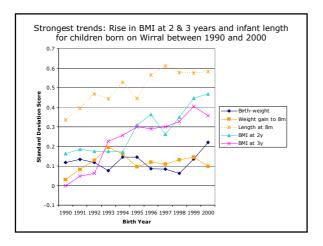
Status Quo:

The prevalence of child obesity is high, and continues to grow...

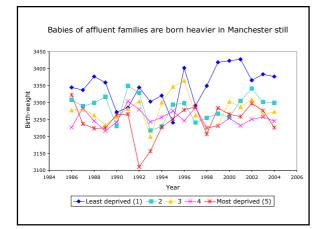


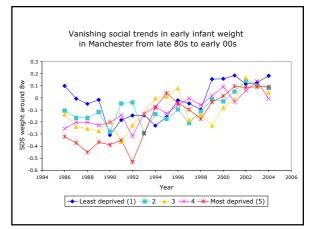


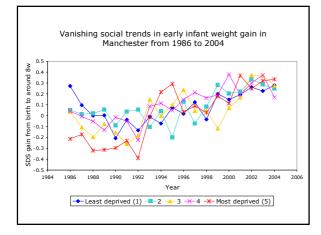


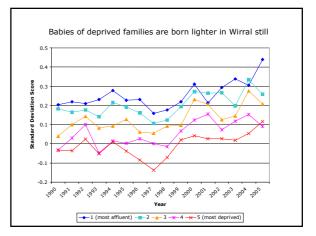


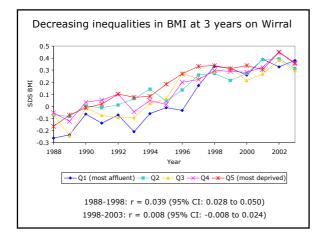


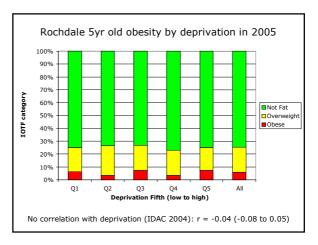


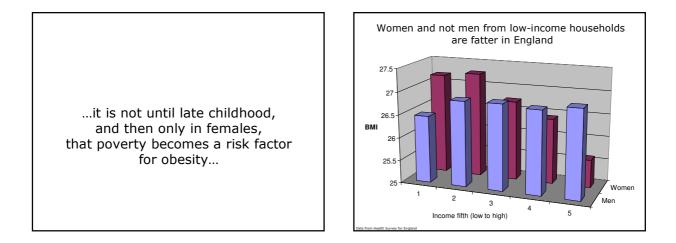


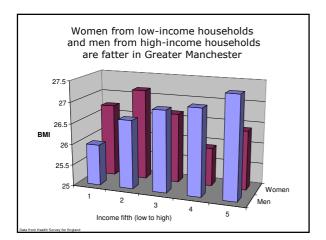


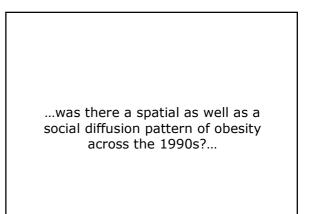


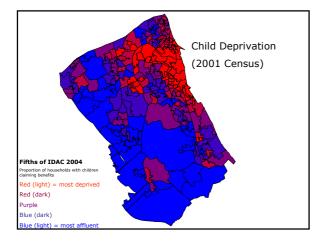


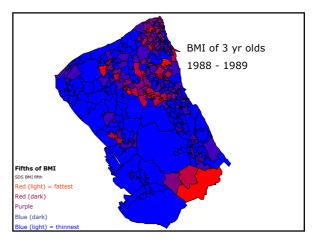


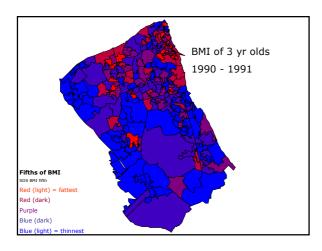


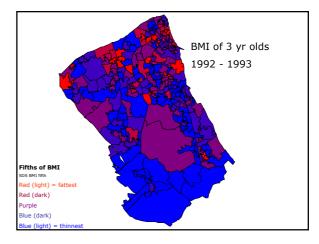


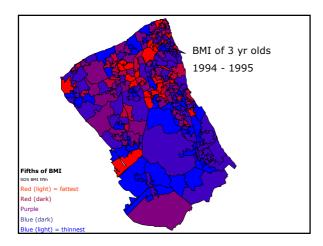


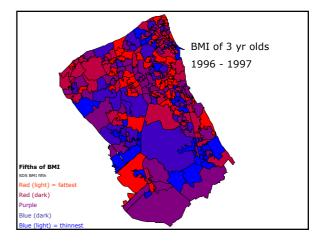


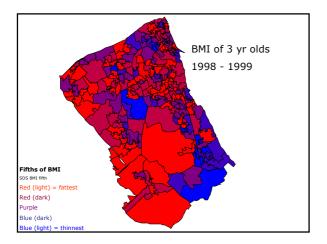


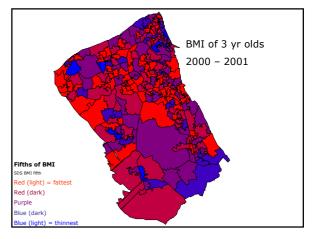


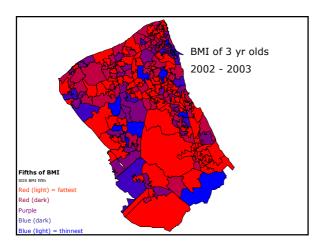


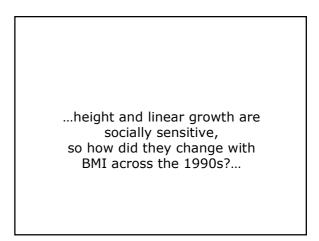


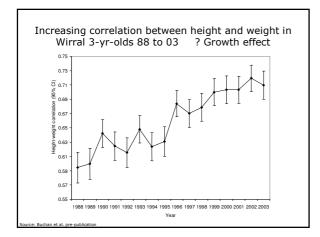


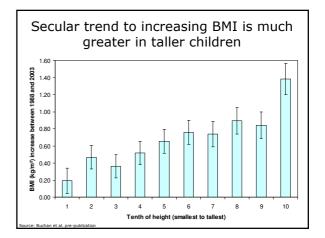


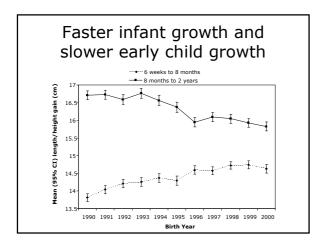


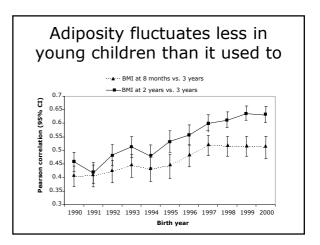


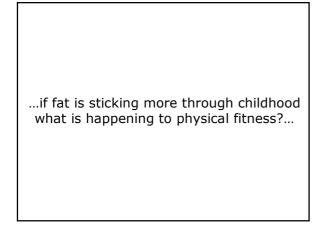


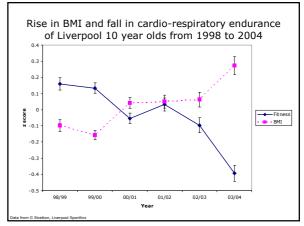


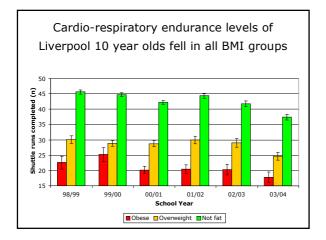


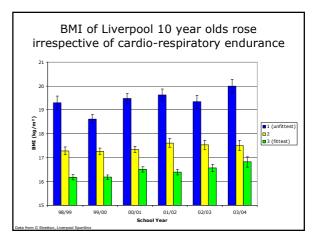












## Summary

The obesity epidemic in children:

- Concurred with accelerating infant growth
- Showed a temporo-spatial spread pattern
- Cut through socio-economic groups
- Affected the physically fit and unfit alike

## Further work

- Explain the interactions of obesity with: - Linear growth
  - Gender
  - Inflammation
- Characterise `resistance' to the obesity epidemic
- Seek metabolic health biomarkers for risk modification irrespective of BMI
- Pool data to corroborate (noisy) signals from multiple sources - <u>www.obesityatlas.org.uk</u>