Abstract citation ID: ckad160.1071 A rapid synthesis of evidence on whole systems approaches to obesity prevention to inform policy Ciara Reynolds

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Background:

The Department of Health in Northern Ireland is developing a new obesity prevention strategy. To support policy development, the Institute of Public Health commissioned a rapid synthesis of evidence on whole systems approaches to obesity prevention. Objectives were to present evidence from existing reviews on whole systems approach effectiveness, describe case studies where a whole systems approach has been applied and propose key policy considerations.

Methods:

A rapid synthesis of evidence on whole systems approaches, rather than a full systematic evidence review, was conducted to meet policy development timelines. Review articles were included, as were national and international case studies that described whole systems approach implementation and/or evaluation. The Methodological Index for Non-Randomised Studies Framework was used to assess the methodological quality of the case studies.

Results:

Five review articles and five case studies (majority moderateborderline strong quality) were included. Results showed whole systems approaches can be associated with improvements in Body Mass Index, physical activity environment and improved community wellbeing, with a school component being particularly effective. Facilitators to implementation included leadership, community involvement, consistent language, adequate resources and evaluation/systems science knowledge.

Conclusions:

Whole systems approaches can be effective in enhancing the capacity of communities to create healthier environments and deliver measurable reductions in Body Mass Index.

Key messages:

- Whole systems approaches to obesity prevention can be effective in creating healthier environments.
- Findings from this research could support any future pilot of this approach in Northern Ireland.