



## National Institute for Health Research

### Prevention and treatment of obesity (2015)

Late 2015, the NIHR issued a call for research into the prevention and treatment of obesity in adults and children. Issues of particular importance for this call included the prevention of type 2 diabetes and increasing levels of physical activity.

Preventing obesity and type 2 diabetes is a priority for the UK Government. With over 60% of the adult population either overweight or obese and more than 2.7 million people diagnosed with type-2 diabetes, the health burden and economic impact of obesity in the UK are increasing.

**Call status:** Closed

**Date opened:** 9 December 2015

**Date closed:** 6 April 2016

### The following NIHR managed research programmes participated:

- Efficacy and Mechanism Evaluation (EME)
- Health Services and Delivery Research (HS&DR)
- Health Technology Assessment (HTA)
- Invention for Innovation (i4i)
- Programme Grants for Applied Research (PGfAR)
- Public Health Research (PHR)
- Research for Patient Benefit (RfPB)
- Clinician Scientist Scheme and Fellowships
- Research Professorships

### Funding outcomes

Programme	Project Reference	Lead Applicant	Title
EME	15/185/16	Professor Gary Frost	Increase colonic propionate as a method of preventing weight gain in young adults
Fellowships	DRF-2016-09-023	Dr Kelly Mackenzie	Feasibility of a low-cost, co-produced complex intervention to reduce workplace sitting time in different workplace settings.

HTA	15/184/14	Dr Amanda Daley	Feasibility and acceptability of a brief routine weight management intervention for postnatal women embedded within the national child immunisation programme in primary care: randomised controlled trial and nested qualitative study.
PGfAR	OTC-RP-PG-1215- 10003	Dr Amy Ahern	Scalable behavioural weight management programmes for the prevention and treatment of diabetes.
PHR	15/190/42	Dr Stacy Clemes	A cluster randomised controlled trial to investigate the effectiveness and cost-effectiveness of a Structured Health Intervention For Truckers (The SHIFT Study).
Professorships	RP-2015-06-005	Professor Rachel Batterham	Maximising the health benefits gained from bariatric surgery.
RfPB	PB-PG-1215-20017	Dr Daniel Prieto-Alhambra	Excess risk and predictors of fracture/s following bariatric surgery for obese patients in the NHS: a real-world self-controlled case series and cohort study.
RfPB	Professor Maryann Hardy	Maryann Hardy	MotiVar: Motivating weight loss through a personalised avatar.
TCC	CDF-2015-08-013	Dr Emma Frew	Exploring the use of economic evaluation as a support tool for public health decision making: the case of childhood obesity services.
TCC	RP-2015-06-005	Professor Rachel Batterham	Maximising the health benefits gained from bariatric surgery.
TCC	DRF-2016-09-023	Dr Kelly Mackenzie	Feasibility of a low-cost, co-produced complex intervention to reduce workplace sitting time in different workplace settings.
TCC	CDF-2017-10-032	Dr Isabel Garcia-Perez	Assessing metabolic profiling strategies for nutritional management of cardiovascular disease risk.
TCC	DRF-2017-10-042	Dr Julia Kenkre	Who will benefit from bariatric surgery for diabetes? Using genetic markers and measurement of fat distribution to predict remission of diabetes.
TCC	PDF-2017-10-098	Dr Channa Jayasena	Targeted caloric restriction to improve sperm quality in obese men with infertility.
TCC	DRF-2018-11-ST2-033	Miss Ellesha Smith	Complex Evidence Synthesis using Network Meta-Analysis, IPD and Multiple Outcomes: Application Investigating the Effectiveness of Pragmatic Interventions for Diabetes Prevention and Interventions to Increase the Use of Childhood Accident Prevention Practices in the Home.
TCC	CDF-2018-11-ST2-011	Dr Nicola Heslehurst	Adiposity risk in pregnancy: identifying cost effective risk prediction measures that can be implemented at scale within NHS maternity services.