

COST-EFFECTIVENESS OF PERSONALIZED NUTRITION BASED ON OMIC SCIENCES IN ADULTS WITH ABDOMINAL OVERWEIGHT OR OBESITY: A WITHIN-TRIAL ANALYSIS AND BEYOND-TRIAL MODELLING IN THE UNITED KINGDOM AND POLAND

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Background

preventimics (empowering consumers to PREVENT dietrelated diseases through OMIC sciences) provides personalized nutrition interventions to lower the risk of diet related diseases and increase life expectancy.

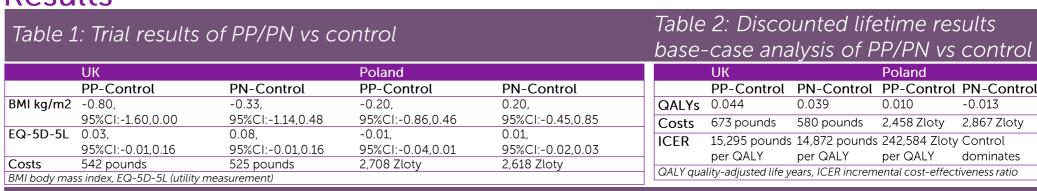
The project examined two types of personalized nutrition (see Figure 5) with a randomized controlled trial.

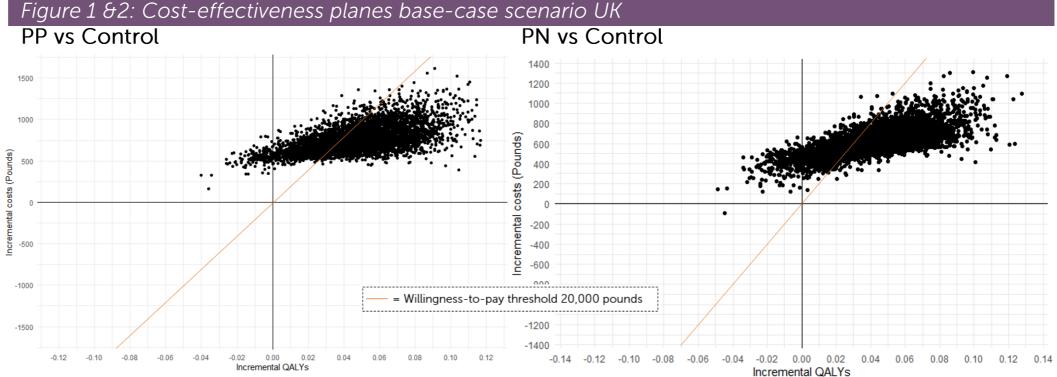
While studies have examined the effectiveness of personalized nutrition, economic evaluations are scarce.

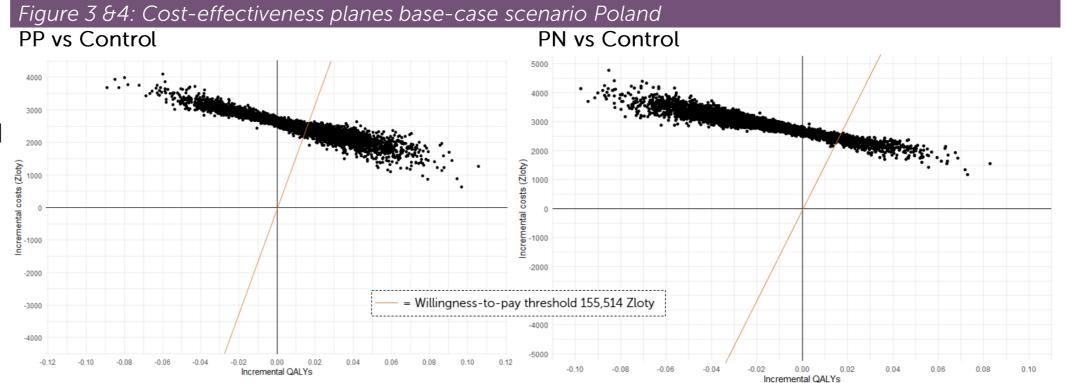
Aim

To assess whether personalized nutrition is cost-effective relative to 'non-personalized nutrition' (control group) in the United Kingdom (UK) and Poland.

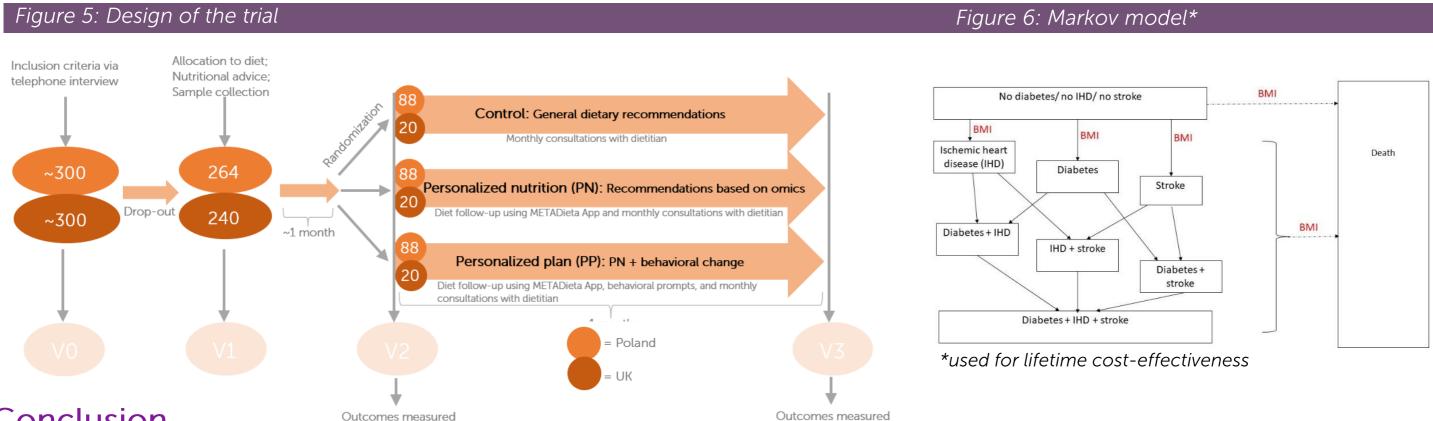
Results







Methods



Conclusion

Based on the willingness-to-pay thresholds we used, PP and PN would not be cost-effective in Poland; however, they are if the upper confidence limit of the observed decrease in BMI is used. In the UK, both personalized interventions may be considered cost-effective. There is still many uncertainty around these results. Future studies should be larger and/or longer to reduce uncertainty about effectiveness.

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