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Title

Use of the ANDHII tool for core dietetic data monitoring – the CANDHII UK project.

Abstract

This presentation outlines a 1-year feasibility study using the ANDHII tool for the monitoring and evaluation of patient data and outcome measures, with two hospitals in the south west of the UK that commenced in June 2017. It has two key aims, so the presentation is delivered as part A and part B.

Part 1: The CANDHII UK Project: viability of using ANDHII for joint site evaluation of outcome measures.

Part 1 explores the feasibility of sharing routinely measured patient data and outcome measures for joint service evaluation and the suitability of the on-line Academy of Nutrition and Dietetics Health Informatics Infrastructure (ANDHII) tool for the collation and analysis of data. We will define 'outcome measures' and why the monitoring and evaluation of 'real patient data' is of value in demonstrating our clinical effectiveness as dietitians. We will outline the ANDHII tool and discuss governance and ethical aspects investigated prior to its use in the UK. We will also provide feedback on our pilot use of the ANDHII tool at ward level, via i-pads.

Part 2: Use of ANDHII to monitor outcome measures for Oral Nutrition Support and Parenteral Nutrition

Part 2 explores the application of the ANDHII tool for the collation and analysis of 'core data sets' of patient data and outcome measures in the fields of Oral Nutritional Support and Total Parenteral Nutrition (TPN), topics chosen for dietetic significance to in-patient care. The rationale and process for establishing a specific 'dataset' for each will be outlined, with a discussion of some 'lessons learned' along the way. Data collection will cease at the end of June 2018 and it will then be collated and analysed. A brief overview of the 'hot off the press' results of this study will be presented at EFAD.

Key references

- Payne A & Galer E. Evaluation of Practice: a practical model to establish and evaluate core data sets of outcome measures to enhance Evidence Based Practice. Round table

presentation. International Congress of Dietetics, Granada, Spain, September 2016.

- Murphy WJ & Steiber AL A new breed of Evidence and the Tools to Generate It: Introducing ANDHII *Journal of the Academy of Nutrition and Dietetics* 2015; **115**: 19-22

Key messages

1. The evaluation of routinely gathered patient data is a valuable means of demonstrating dietetic effectiveness
2. Sharing of patient data across hospital boundaries is feasible, if patient confidentiality is maintained, and is a suitable means of pooling small datasets to increase statistical power.
3. Online collation and analysis tools, such as ANDHII are in place to support this form of activity.