

FINAL VALIDITY OF A TOOL FOR RATING SIGNIFICANCE OF PHARMACISTS' CLINICAL CONTRIBUTIONS IN HOSPITAL

Paul Wright*, Rhona Sloss*, Reena Mehta**, Raliat Onatade* *Pharmacy Department, Barts Health NHS Trust **Pharmacy Department, King's College Hospital

Background

There are few validated instruments for rating clinical significance of pharmacy contributions to care with no accepted gold standard.¹ We sought to finalise validation of the IMPACCTS (InstruMent for PhArmacy Clinical Contributions To care Significance) tool which consists of:

- 5 ordered levels
- Each level underpinned by descriptive statements (45 in total)
- A 6th level (level 0) denoting a contribution deemed inappropriate or potentially harmful

A robust process to ensure simplicity and clarity of the instrument has previously been reported.^{2,3}

Aims and Objectives

To finalise validation of IMPACCTS by:

- Demonstrating comprehensiveness of the instrument. Aiming for 100% of scenarios to be assigned a statement using IMPACCTS
- Quantifying interrater reliability

IMPACCTS - InstruMent for rating PhArmacy Clinical Contributions To care Significance

IMPACCTS is a pharmacy clinical contributions severity rating scale for potential patient

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- The tool has six clinical significance levels (0 to 5) Under each significance level there are a number of statements which describe different types
- of clinical pharmacy contributions

Level 0 – Leads or could lead, to an undesirable outcome/pharmacist's actions were inappropriate.

Level 1 - Good practice leading to no harm or clinical benefit to the patient

Substituting a drug to comply with formulary. Note: If there is a clinical reason for change, it should be graded higher

Level 2 – Minor benefit to patient OR made treatment easier OR prevented minimal harm OR an error/incident which could have remained non investing and the state of the state ver z - which benefit to parter of mode treatment easier of prevented minimal namo ror/incident which could have required <u>non invasive</u> monitoring.
Action taken to avoid dosing error where the risk of harm OR likelihood of benefit is not significant.

Level 3 – Level 3 contributions are those which will provide significant benefit to patient OR prevented an incident of significant harm OR without which would have required additional treatment or invasive intervention.

Any action including medicines rationalisation to prevent noticeable discomfort or provide significant benefit.

Level 4 – Prevented an incident that could have potentially led to reversible organ failure, major reversible harm or increased level of care (i.e. *readmission into hospital, or from L1 to L2, or L2 to L3) *Re-admission – If you consider readmission to be the most likely outcome, the minimu is level 4, however you may wish to assign a higher level, depending on your judgement of the severity of the impact on the patient.

Action taken to resolve the problem of a dose of a drug which would result in serum drug levels in the toxic range, where patient is at risk of reversible organ damage.

ttc... [zev] 5 - Prevented an incident that could have resulted in a life or death situation, permanent organ damage or severe harm, OR an error which could have potentially caused major permanent harm. Action taken to change the door of a potentially facisming drug (Le. any drug which could prevent or treat a life-threatening condition) which is too low for the patient.



