

Improving the identification and management of patients with chronic kidney disease (CKD) in primary care across Greater Manchester

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BACKGROUND

CKD is a common, heterogeneous condition which defines abnormal structure and function of the kidneys. Many studies report that CKD is underdiagnosed, and modelling of local data in 2009 indicated a 2% gap between recorded and estimated prevalence across Greater Manchester, amounting to 54,000 undiagnosed cases. Early detection, optimal management and treatment will delay progression of CKD and prevent further vascular complications, however general management of CKD, in comparison to other chronic conditions, has proven to be suboptimal.

AIMS

Two primary objectives were identified for the project. They were as follows:

- 1) To halve the gap between the recorded and estimated prevalence on all participating practice CKD registers.
- 2) For 75% (no exception reporting) of CKD patients to be tested for proteinuria (via testing albumin/creatinine ratio (ACR)) and managed to National Institute of Clinical Excellence (NICE) blood pressure (BP) targets.

METHODS: SAMPLE & SETTING

The CKD improvement project was initially piloted, refined and developed principally in NHS Aston, Leigh and Wigan and NHS Wigan Borough CCG, amongst other areas of GM, between 2009 – 2012.

These data presented here are from NHS Central Manchester CCG between January 2013 and April 2015. Specifically, this data represents practices from the Hulme, Moss Side and Rusholme locality (H, MS & R) (7 practices), and Chorlton, Whalley Range and Ardwick regions (C, WR & A) (12 practices), culminating in data for 19 practices in total.



- (4) Once a robust, accurate register was in place, all patients were checked for having a recent ACR test (within 12 months), highlighting presence/absence of proteinuria, and checked to ensure blood pressure Figure 2 adhered to NICE guidance.

Individual facilitation meetings were typically held every 4-6 weeks and a reaudit was completed at 12 months.

The CLAHRC Greater Manchester is part of the National Institute for Health Research and is a partnership between providers and commissioners from the NHS, industry, the third sector and the University of Manchester W: clahrc-gm.nihr.ac.uk E: clahrc@srft.nhs.uk T: @CLAHRC_GM

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Conclusions/future work...

- 556 additional patients were added onto CKD registers, closing the gap between actual and expected prevalence.
- There were improvements in this patient population being managed to NICE guidance. However, patients with proteinuria had suboptimal blood pressure management.
- An evaluation, examining the barriers and challenges to improving management of proteinuria in practice is currently underway.
- NHS Bury CCG.

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This CKD improvement project is currently being rolled out across the remaining localities in NHS Central Manchester CCG and throughout