

PINCER 2018-19

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Introduction

- Prescribing errors in general practice (GP) are an important and preventable cause of illness, hospitalisation and deaths.
- PINCER is a pharmacist-led intervention tool used to reduce prescribing errors and optimise the use of medicines in primary care settings.⁽¹⁾
- The tool allows monitoring and feedback to GPs on their performance against a set of nationally-agreed safety indicators
- Educational outreach and root cause analysis techniques are then used to effect quality improvement
- West Hampshire Clinical Commissioning Group (WHCCG) Medicines Optimisation Team (MOT) incentivised practices to run the tool in all 49 practices in 2018/2019

Aims and Objectives

To improve the quality and safety of prescribing in west Hampshire following implementation of PINCER in its member practices.

Methods

Baseline data: using PINCER, the MOT ran searches in March 2018 to identify potentially hazardous prescribing



Detail searching of patients' records to identify genuine risks of hazardous prescribing. Pharmacy technicians assist.



Evidence-based recommendations made to GPs by pharmacists
Changes made to individual patient prescriptions.



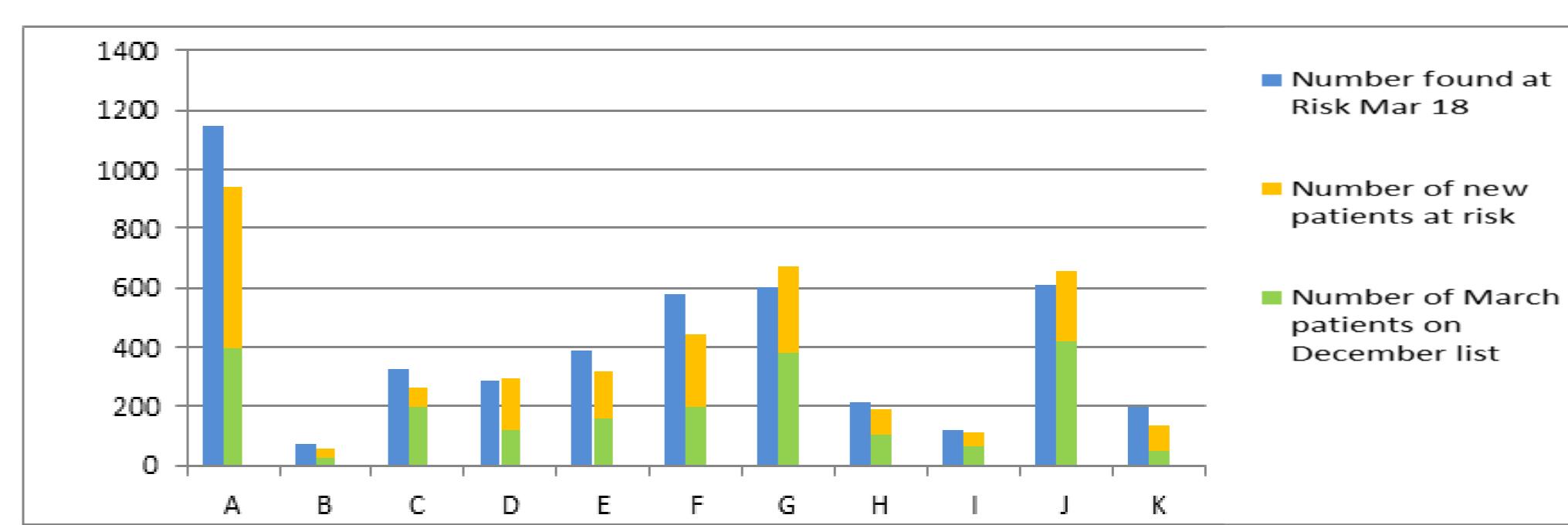
Following improvement work, PINCER re-run by MOT in December 2018 to compare data to baseline.



Root Cause Analysis (RCA) work in May 2019 and Continuous Quality Improvement in 2019/ 2020



Results



- Of the original cohort of patients studied, significantly fewer were at risk from their medicines after the improvement work.
- However, a new group of patients appeared in each category swelling the total numbers of patients at risk in each category.
- For a couple of indicators, numbers of at-risk patients were greater in December 18 than at the March 2018 baseline.

Discussion

- CCG composite value for GI bleed risk (indicators A-F) fell after the improvement work was carried out (3.6 CCG average vs 4.13 national average per 1000 population).
- Numbers of patients on other high-risk prescriptions in indicators G-K (non-selective beta-blockers in asthma; not prescribed inhaled corticosteroids; prescribed antipsychotics for behavioural symptoms of dementia; prescribed NSAIDs in heart failure and/or renal failure) also fell after the interventions.
- In order to reduce the chances of the same errors occurring in new patients, a RCA of the errors was required. Plans were made to re-run PINCER in 19/20.

Conclusions

- PINCER is an effective tool in reducing prescribing errors for patients prescribed high-risk combinations.
- To prevent further patients being put at risk in the future, root cause analysis to understand why the errors are occurring and take action on risk avoidance is essential.
- Plans to minimise the opportunity for errors need to be made at local and national health economy level

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References

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