

# THE CLOCK IS TICKING: PILOTING TIME-CRITICAL PARKINSON'S DISEASE MEDICINE PRACTICE IN ED

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Prevalence of Parkinson's Disease (PD) is ~145,000  
Double by 2065

In hospital, 63% PD patients did not receive timely doses  
Every year, 28860 excess hospital bed days costing NHS £10m  
58% hospitals do not record patient safety incidents for PD patients

EDs are acknowledged to be high risk areas for medication error with high prevalence of critical medications dose omissions

The average person living with Parkinson's may find themselves on nine doses of medication a day  
A delay in taking medication leads to serious health implications for someone living with PD  
- may not be able to move, get out of bed, swallow, walk or talk, may never recover and may permanently lose their ability to walk, talk or die

## INTRODUCTION

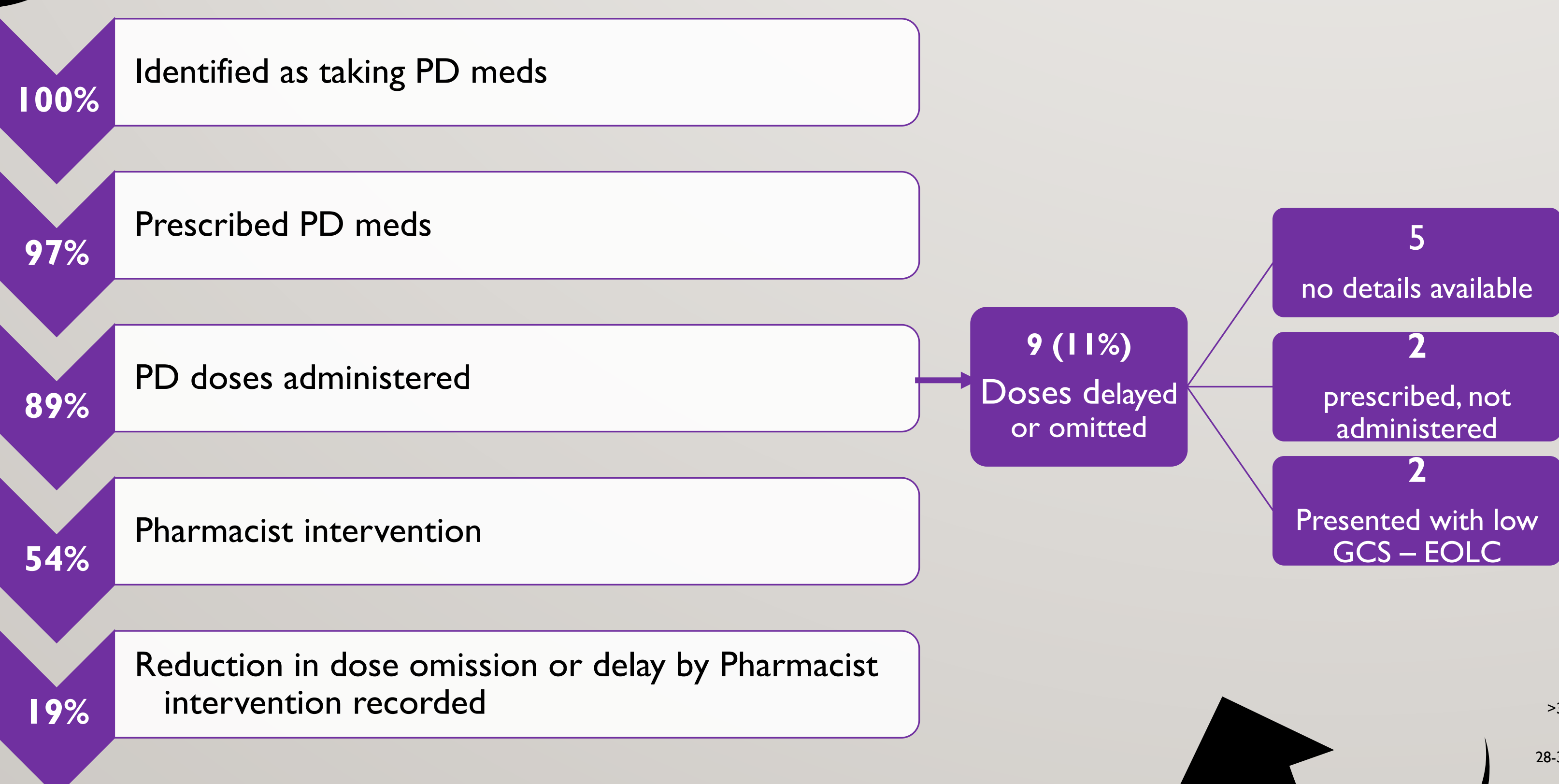
## KEY LEARNING POINTS

- ❑ Administer levodopa within 30 mins of their individual scheduled time as per NICE quality standard
- ❑ Clinical Pharmacist Service in ED improves time-critical PD meds practice & patient safety
- ❑ Review & develop PD time-critical medicine practice policy in your ED

## NEXT STEPS

- ❑ Reaudit after EPMA and include patient feedback
- ❑ Possible extended clinical pharmacy services in ED
- ❑ Continue ED staff education and training

## CURRENT PD MEDS PRACTICE



## PREVIOUS PDSA CYCLES

2015

- 3% of patient's time-critical regular medications prescribed within ED
- 73% experiencing a delay/omission

## Interventions

- Embedding responsibility of reconciliation into ED clerking notes once pre-existing medications identified
- Commissioned dedicated shop floor Clinical Pharmacy service with focus on medicines reconciliation within ED
- Inbuilt access through electronic clerking system into patient's PMHx and repeat medications (Care centric Portal)
- Routine nursing and medical education regarding pre-existing time-critical medications and consequences of omission
- Entire ED stock medication review to allow easy access to routine pre existing time critical medications
- Clear risk stratification of which time critical medication subtypes were to be prioritised for reconciliation within ED.

2021

- 88% of pre existing time-critical medications prescribed in ED
- 18% experiencing a delay/omission
- ~70% prescriptions by Clinical Pharmacists

## AIMS

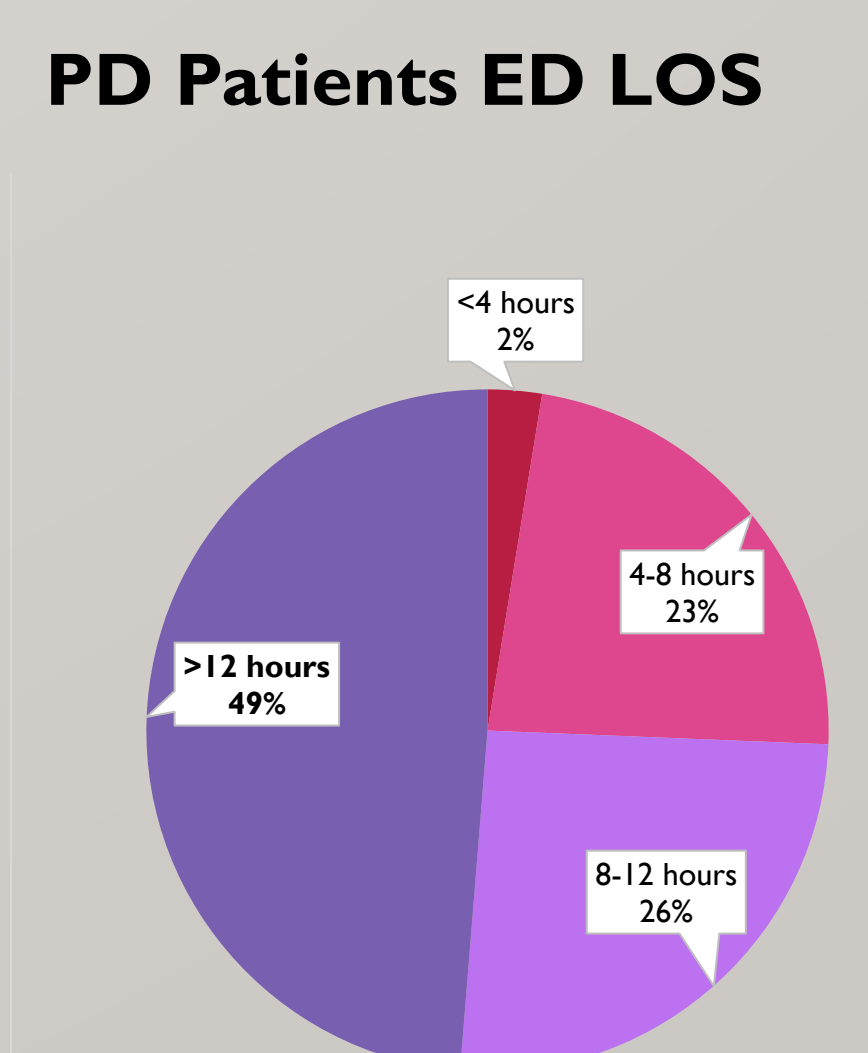
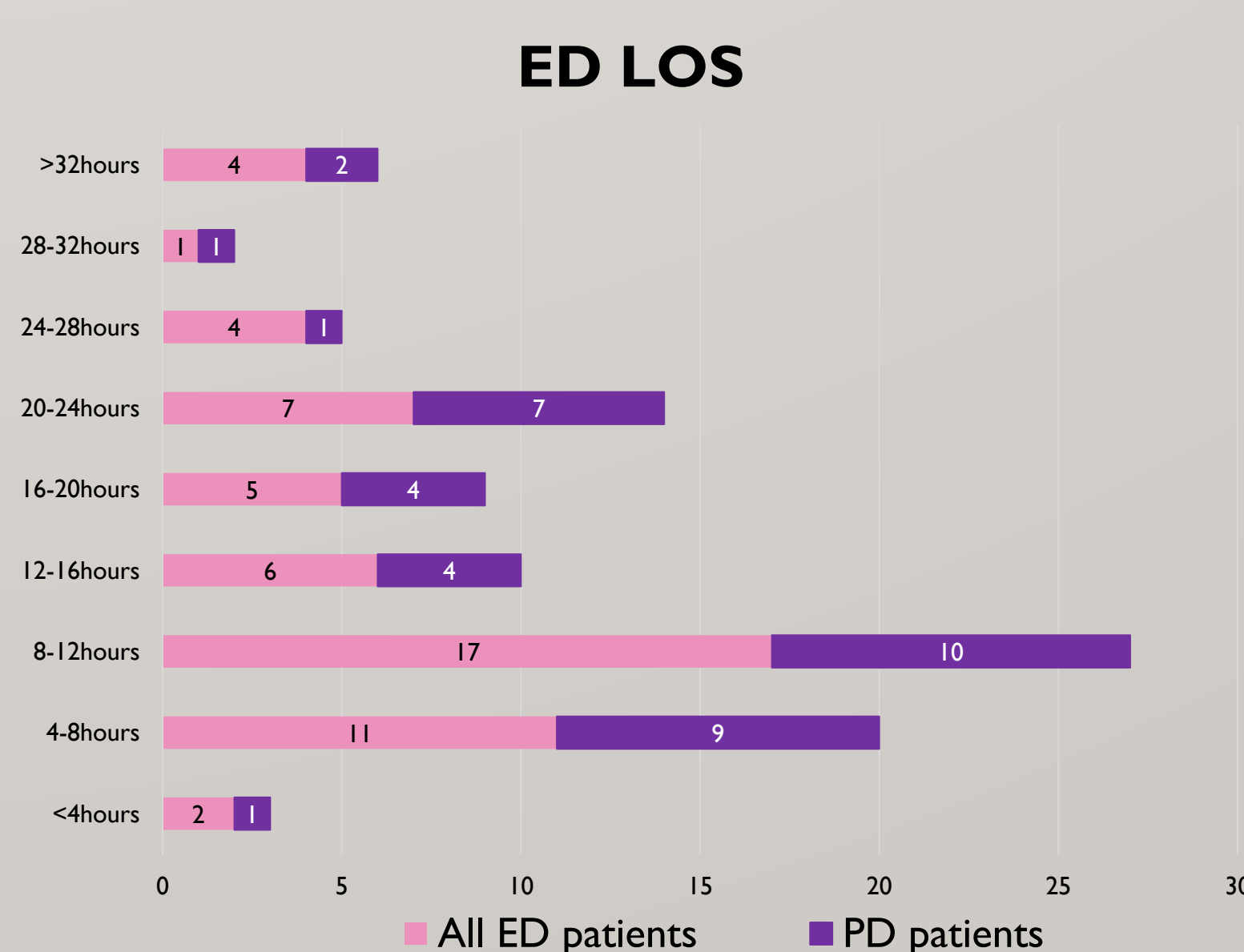
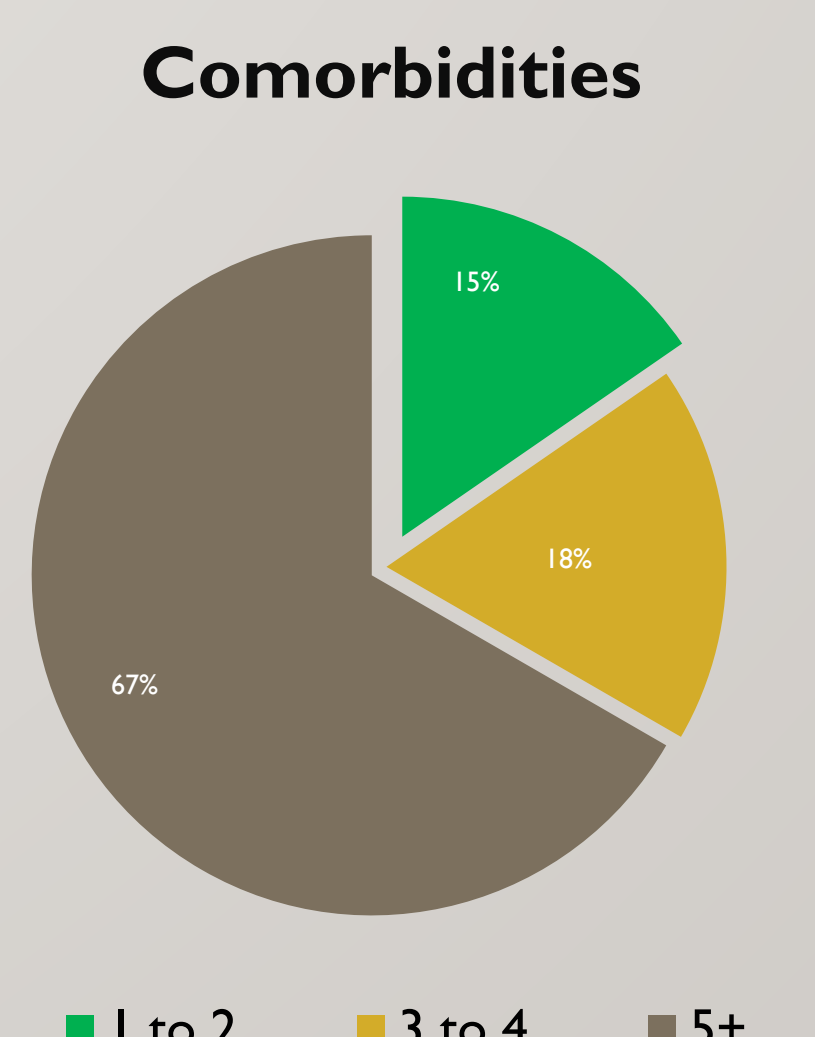
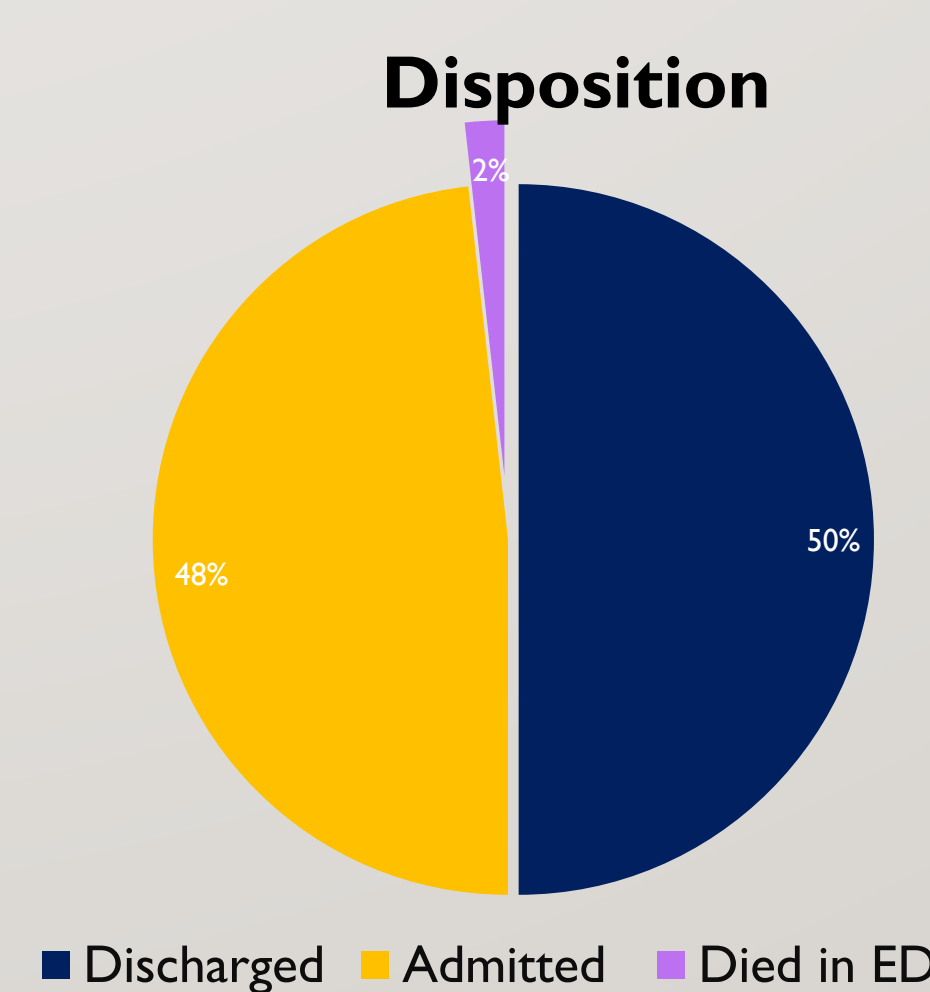
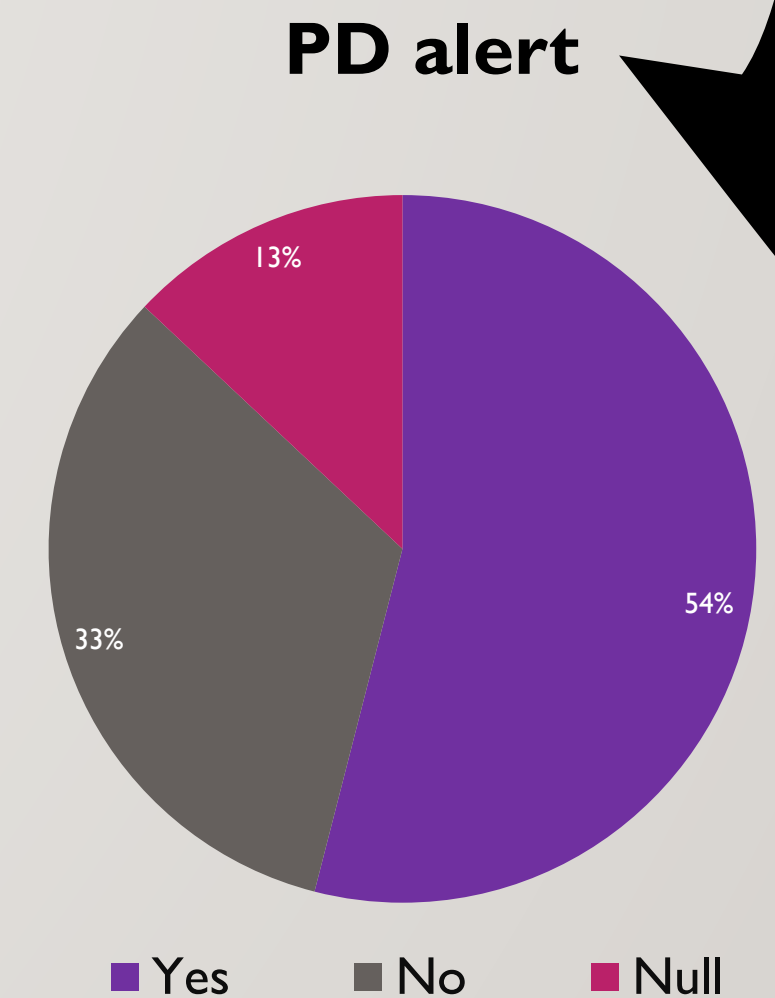
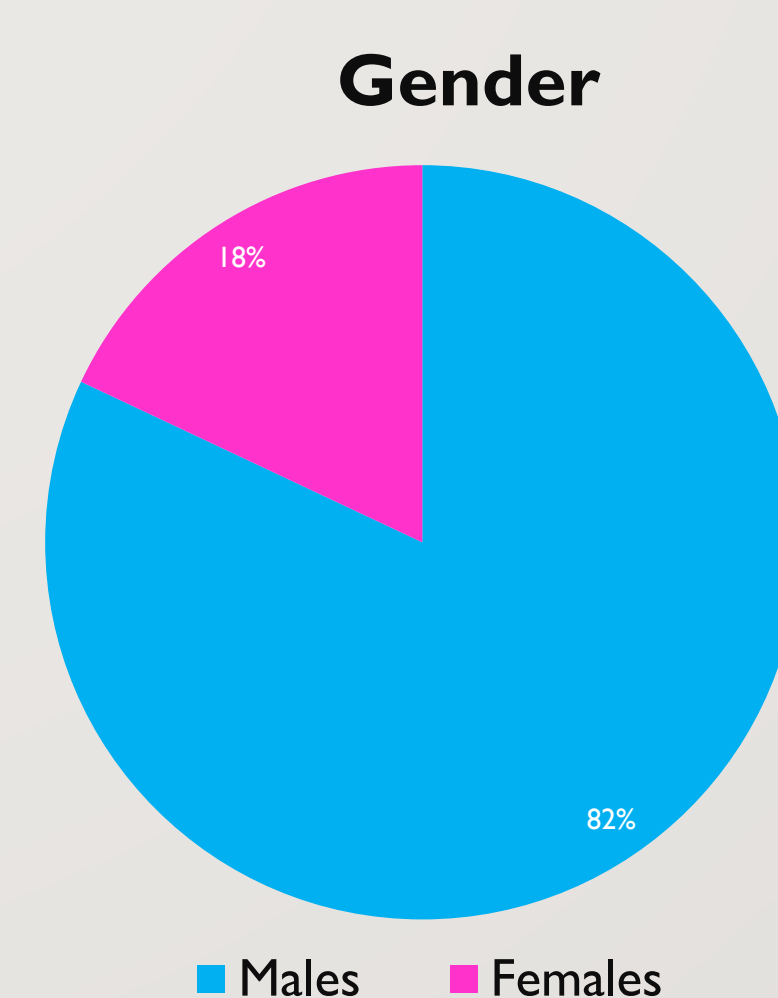
July 2022

ED, NUH

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This audit cycle aims to re-assess our current PD time-critical medication prescription and administration and clinical pharmacist interventions in PD patients in the ED

## RESULTS OF THIS AUDIT CYCLE



REFERENCES



FEEDBACK