

# SAFETY EVALUATION OF MIDLINE CATHETERS USED FOR ANTIBIOTIC THERAPY

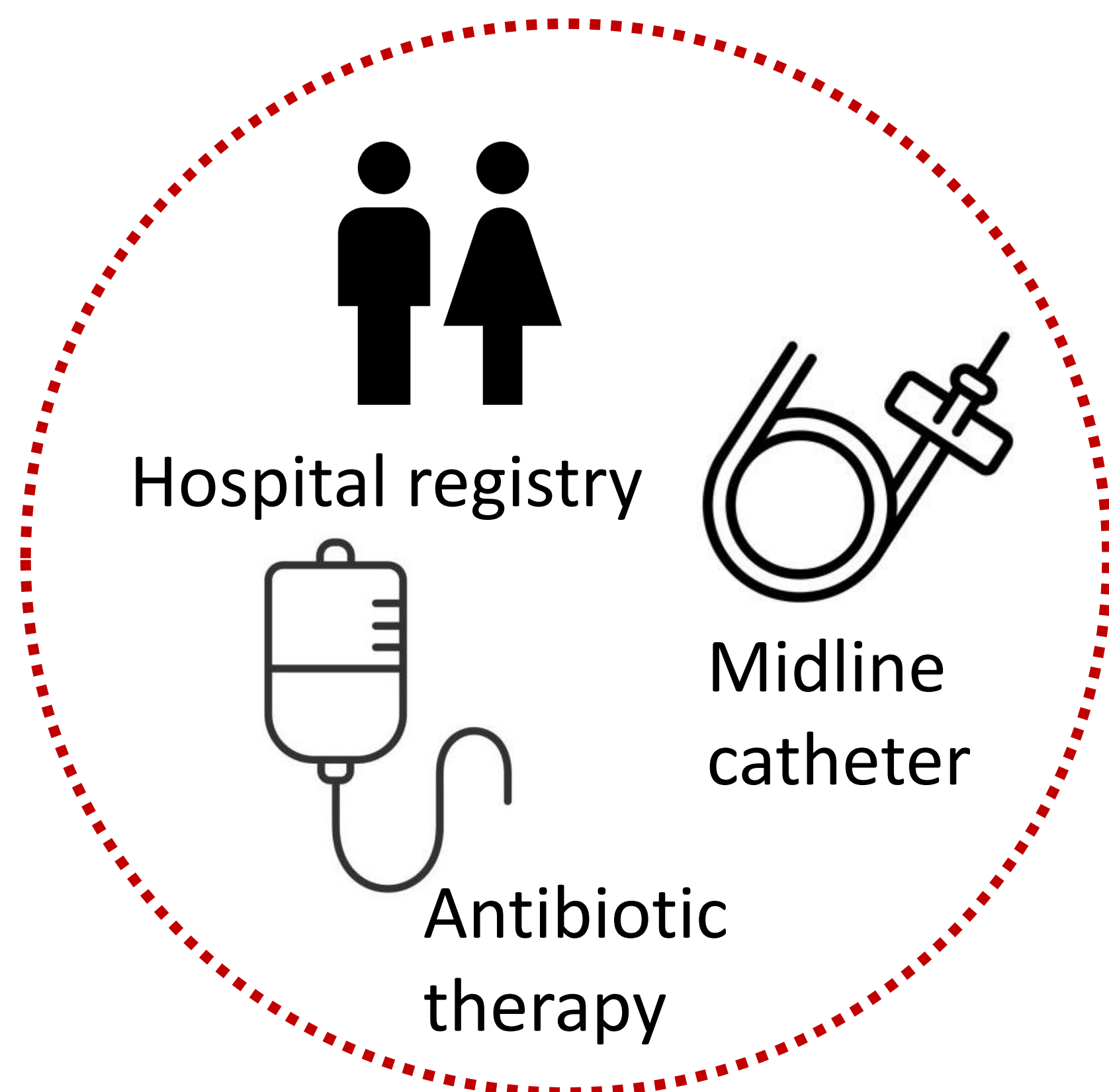
## Background and importance

In patients with difficult intravenous access or those who require short-term intravenous drug administration, midline catheters can be a safe alternative to peripherally inserted central catheters.

## Aim and objectives

To describe outcomes in patients who had a midline placed for the indication of antibiotic therapy.

## Material and methods



Data from medical records

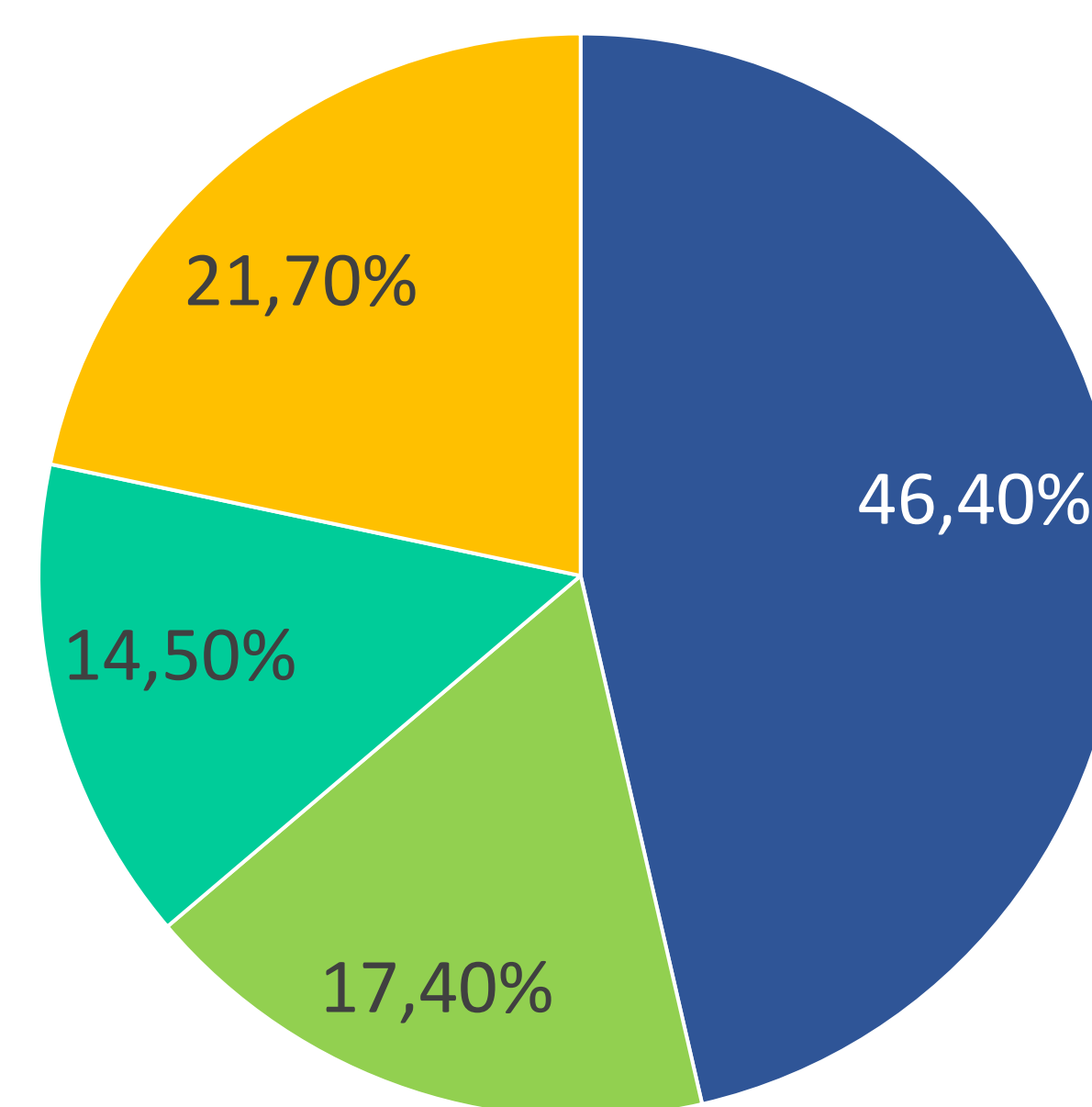
June 2021 – September 2022

- Patient demographics and clinical data (diagnoses, comorbidities, medications, laboratory values, antibiotic use and duration of infusion therapy)
- Device variable (placement arm and vein of insertion, catheter gauge, and number of catheter lumens)

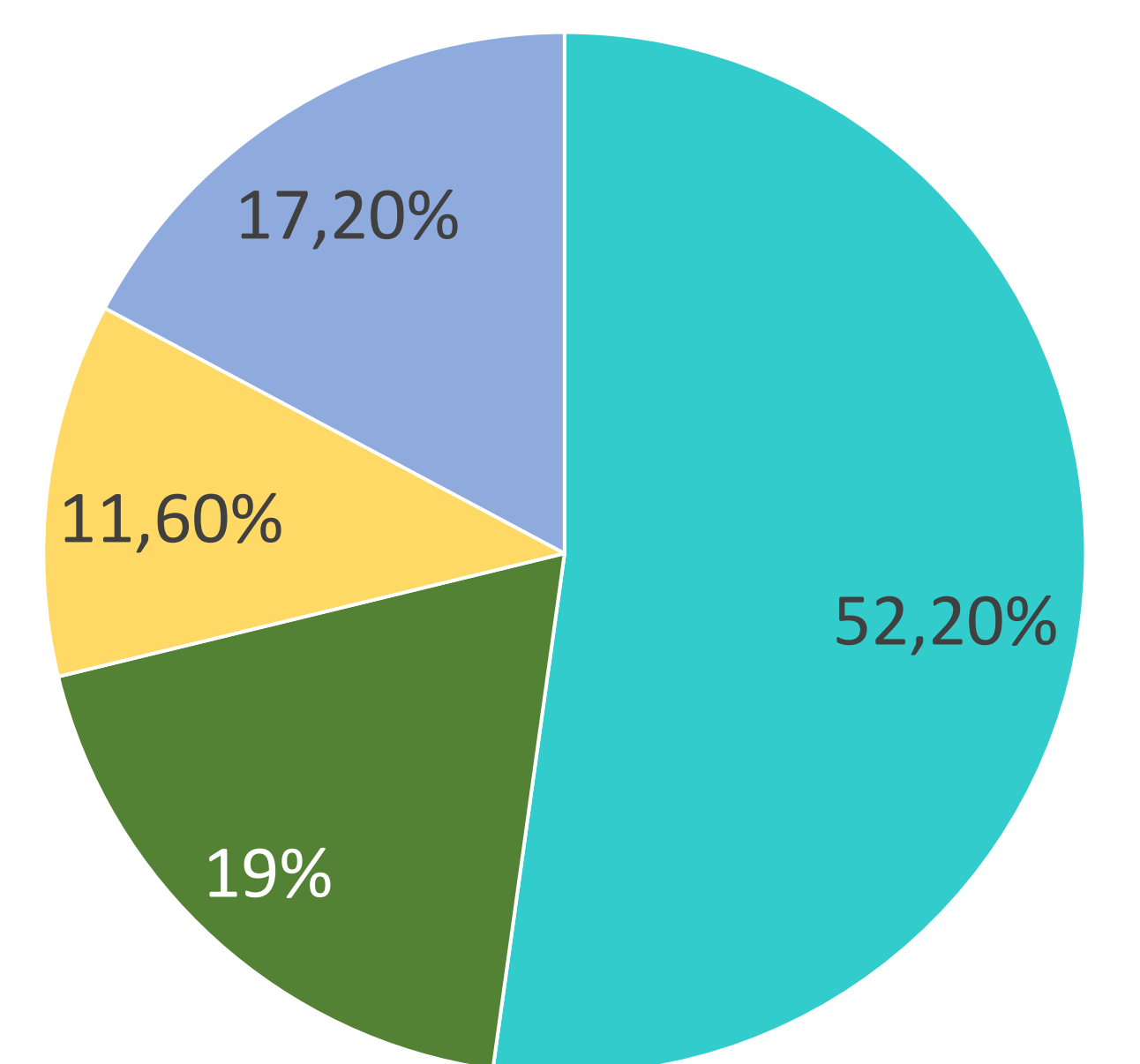
## Results

- ✓ 69 patients with midline-catheter, 69 catheters placed
- ✓ Mean age: 70 years (28-96)
- ✓ 952 catheter-days
- ✓ Average midline dwell-time of 14 days (range = 2-43 days; median = 12 days)

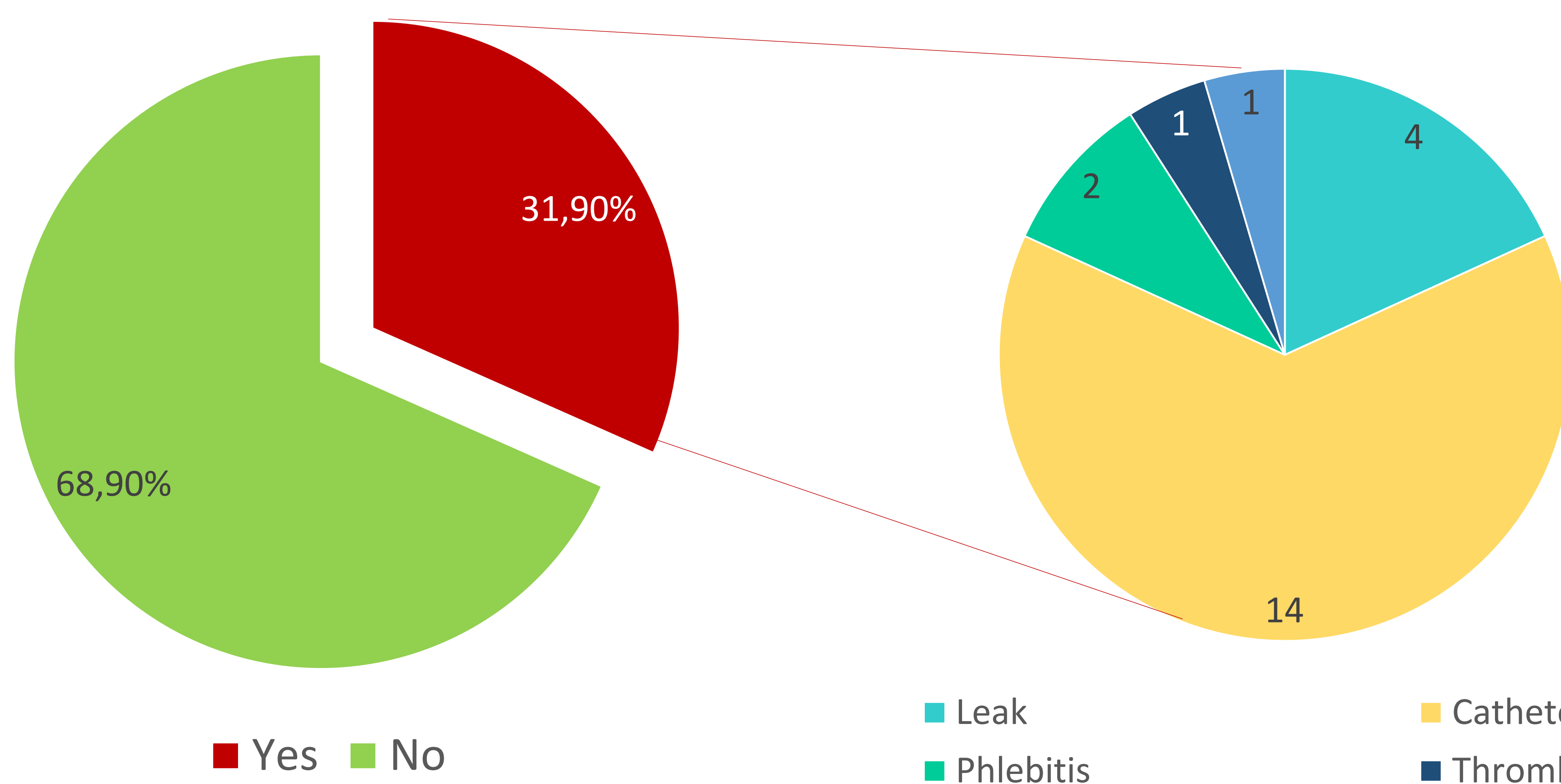
### Diagnoses



### Antimicrobials



### Complications



**No confirmed or suspected bloodstream infection**

5PSQ-102



**J01- ANTIBACTERIALS FOR SYSTEMIC USE**

## Conclusion and relevance

In this study, the midline catheters complication rate was 31.9%. The complications were mostly mechanical and did not require the suspension of the antibiotic therapy or the withdrawal of the catheter.