

MORTALITY FOLLOWING FRACTURED NECK OF FEMUR IN THE PERI-CENTENARIAN POPULATION

Chan C, Stringfellow T, Heard P, Buddhdev P
Broomfield Hospital, Mid & South Essex NHS Trust



Mid and South Essex
NHS Foundation Trust

WHY WAS IT DONE?



WHO? HOW?



Bluespier

Age ≥ 60

National Hip Fracture Database (NHFD)



2009 – 2020

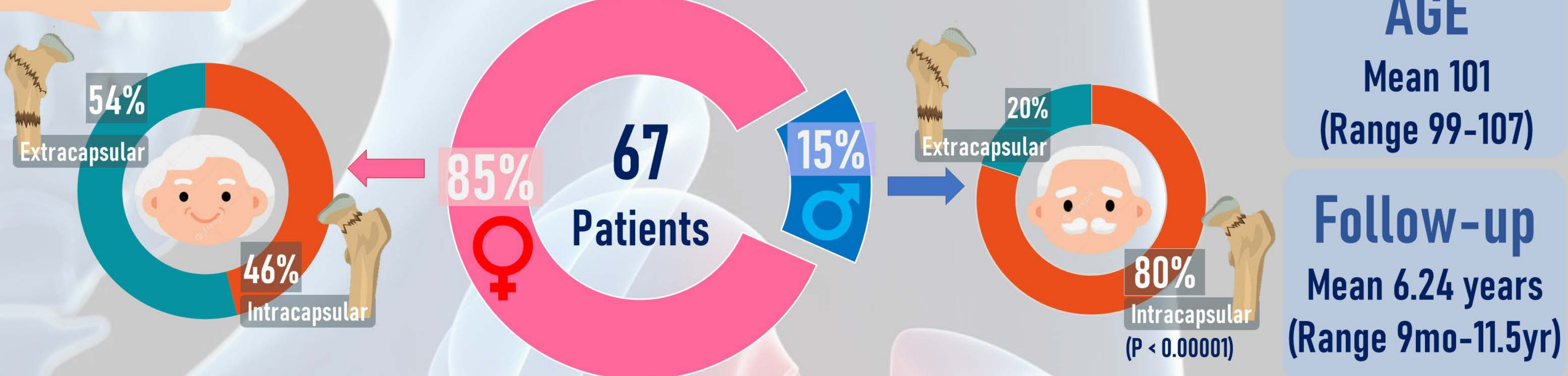
Retrospective single-institutional study of NOF fracture patients Age ≥ 99



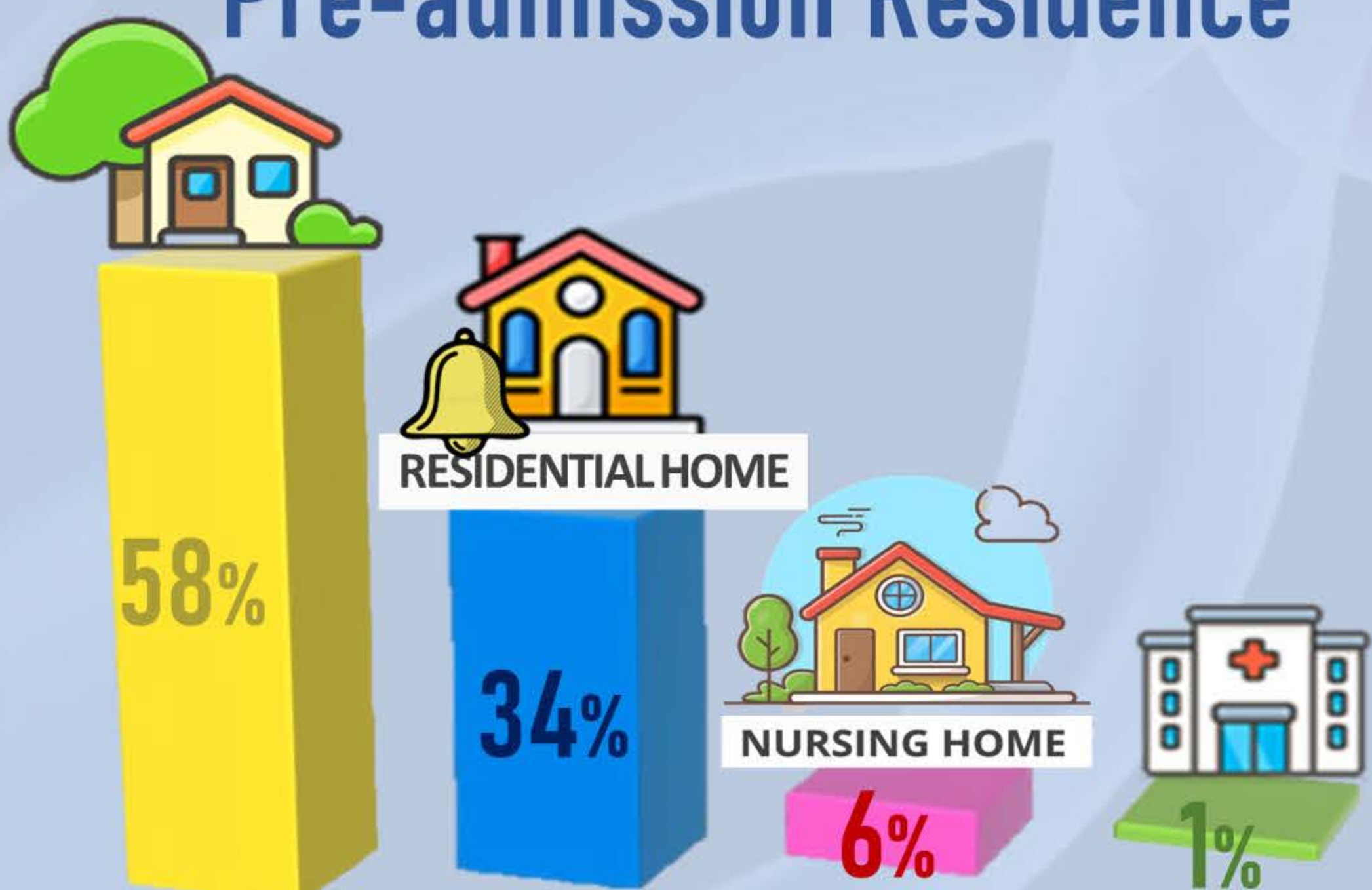
- Demographics
- Presenting Diagnosis
- Functional Status
- Cognitive Status (AMTS)
- Management

- Mortality
- Discharge date
- Length of stay (LOS)
- Fisher's exact test – analyse categorical variables

RESULTS



Pre-admission Residence



Discharge Residential Needs

16% In-hospital death (RIP icon)
Of those alive: 95% returned to original residence (house icon)

Length of Stay

Mean 14.4 days (bed icon)

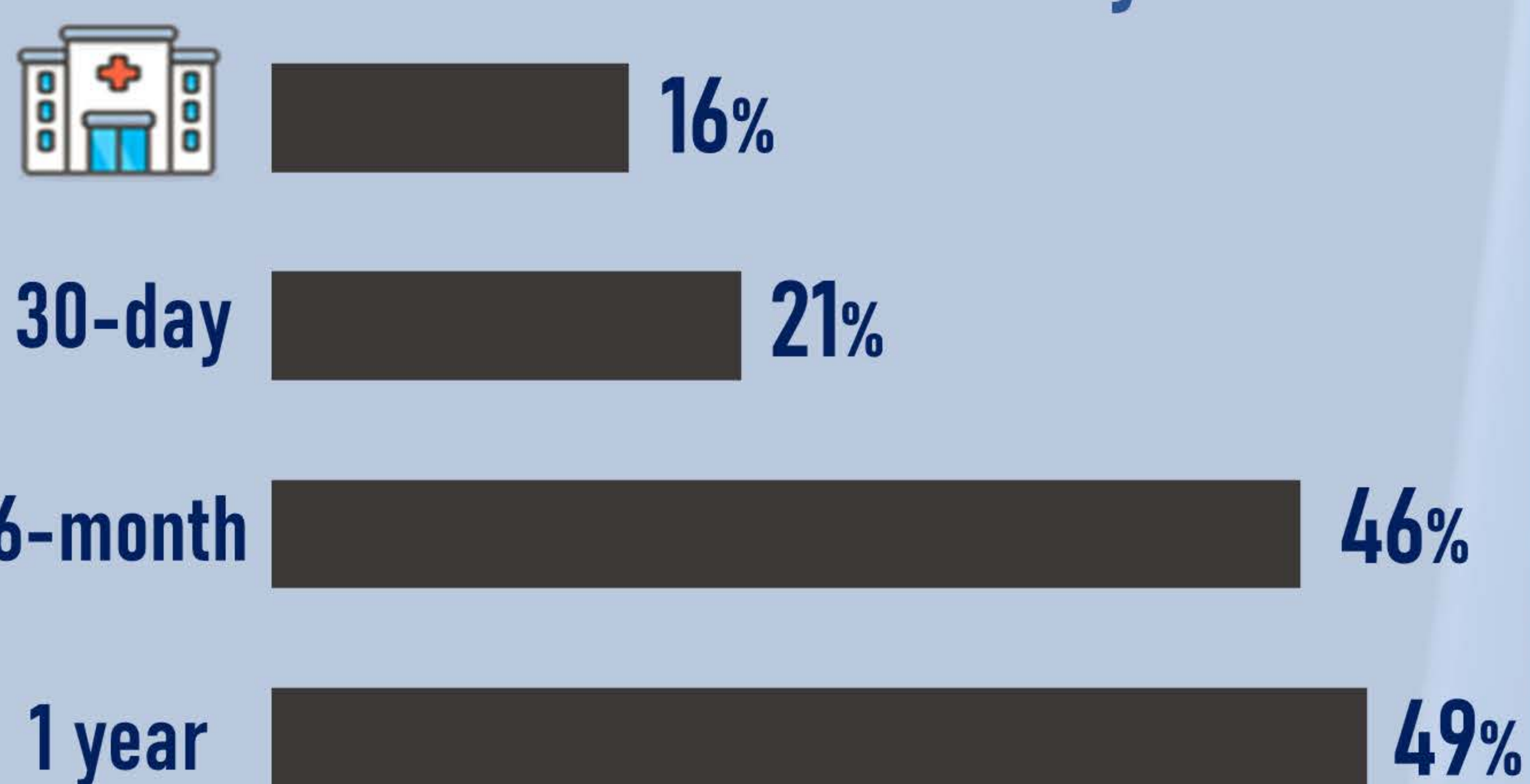
36 Hours
Diagnosis to Surgery (clock icon)

88% Surgery ≤ 36 hrs

1-Year Mortality



Cumulative Mortality



Peri-Centenarian (Age ≥ 99) NOF Patients



95% Returned to Pre-admission Residence



Over half Survived over 1 year



21% 30-Day Mortality Rate

Implications:

- Empathizes the resilience of the peri-centenarian cohort and that outcomes not as poor as we expect
- Highlights need to prioritise timely treatment in this group of patients