

# What's coming around that corner?

Reducing Risk of Collision Hazard in SGH Ward Corridors



Neo Yan'E Elizabeth<sup>1</sup>, Kam Wai Kuen<sup>1</sup>, Yeoh Seng Hong<sup>2</sup>, Jass Lim Wei Chen<sup>3</sup>

<sup>1</sup>Workplace Safety & Health, Division of Organisation Planning & Performance <sup>2</sup>Facilities Management & Engineering, Division of Estate Management <sup>3</sup>Nursing Administration, Division of Nursing

## Background

Nurses gave feedback that they had several near miss collisions when turning around the blind corners at ward corridors. Although no actual incidents were reported, the high traffic of staff, patients and visitors in wards highlighted the need to investigate high risk corners in ward corridors, and evaluate the use of convex mirrors to reduce potential risks of collisions.

## Methodology



Physical observation of the existing situation on the use of convex mirror in all SGH wards' corridors and corners

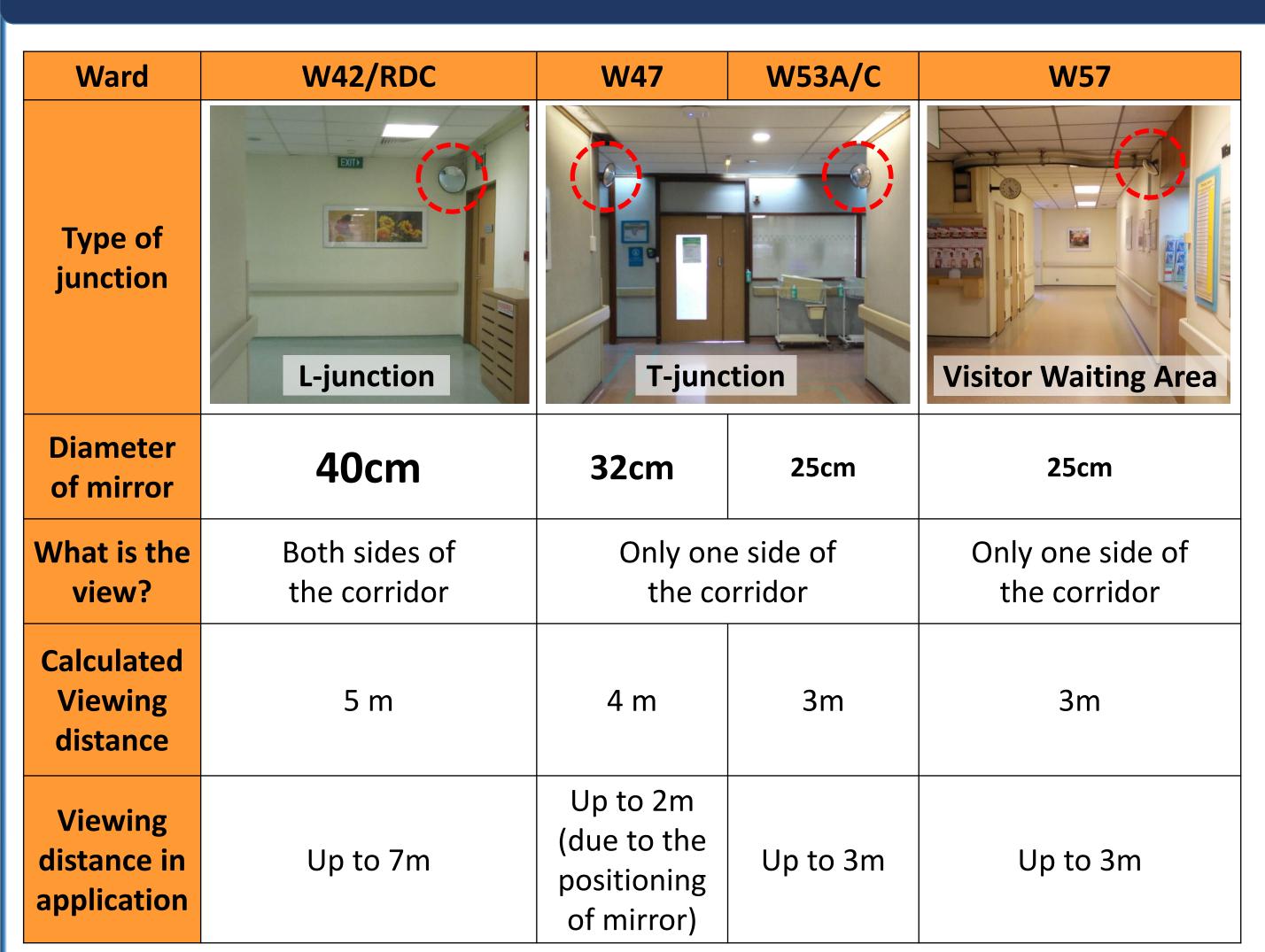


Calculation of the viewing distance of different sized convex mirrors based on formula (1 inch of circular mirror for every foot in viewing distance) and evaluation of its effectiveness



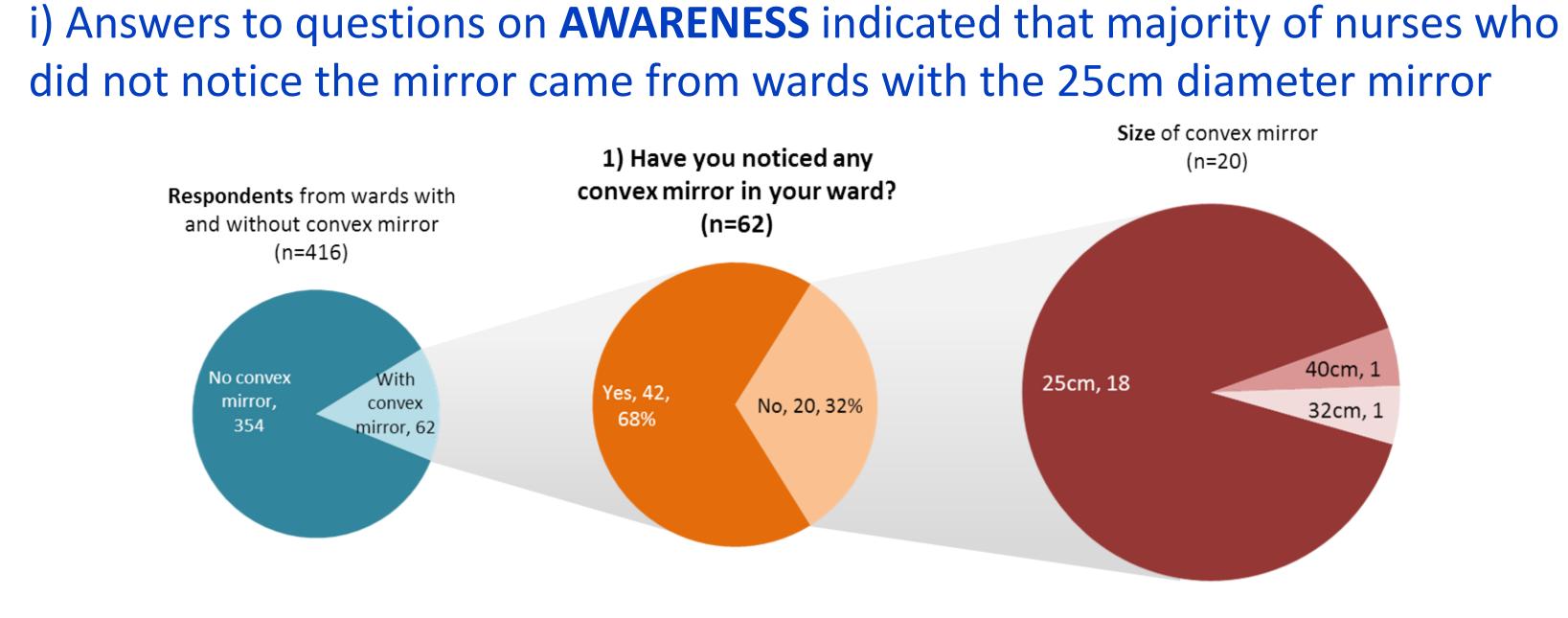
Self-administered online survey to gather ground sentiments from nurses and porters on the blind corners in wards

#### Results



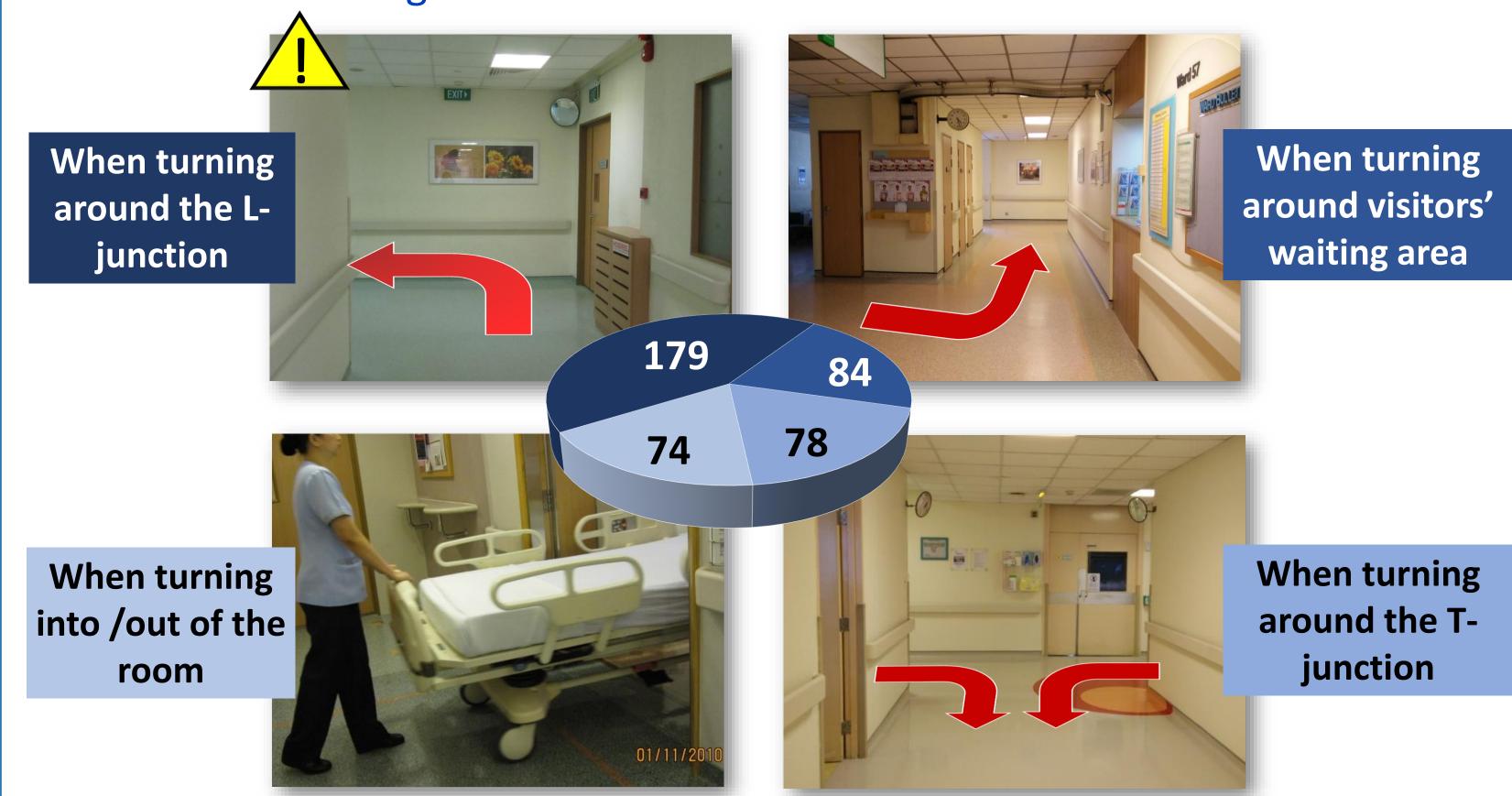
There were 4 wards (W42, W47, W53 and W57) where convex mirrors were found. These convex mirrors came in different sizes, with diameters of 40cm, 32cm and 25cm. That translated to a calculated viewing distance of 5m, 4m and 3m, respectively.

A viewing distance of 5m would be ideal especially for staff transporting long equipment (e.g. bed) where they can look out for obstructions before reaching the corner



The survey garnered a total of 416 responses from ward nurses and 47 responses from porters

ii) Answers to questions on **INCIDENT /NEAR MISS LOCATION** showed that both nurses and porters were in agreement that the L-junction was the location with the highest risk of collision



### Actions taken & Conclusion

Based on the results, a bigger 40cm diameter convex mirror was proven to be more noticeable and the L-junction of wards should be prioritized for convex mirror installation.

In 2018, 33 convex mirrors of 40cm diameter were installed at the L-junctions of 17 wards.

