## Reducing Risk of Collision Hazard in SGH Ward Corridors

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## 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.



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

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

## Results

The survey garnered a total of 416 responses from ward nurses and 47 responses from porters
i) Answers to questions on AWARENESS indicated that majority of nurses who did not notice the mirror came from wards with the 25 cm diameter mirror

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 40 cm 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 40 cm diameter were installed at the L-junctions of 17 wards.


