Use of the Home Assessment Profile as an outcome measure to review Occupational Therapy practice within Aged Care.

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Background - Western Health OT
Context
Conceptual Definition

What do you do?

What do you do well?

What changes for patients as a result of what you do?

“Aged Care OT intervention enables improved safety and function when engaging in essential occupations in a meaningful context at point of discharge.”
The Home Assessment Profile (HAP)

• Quantitative, performance based instrument
• Valid and Reliable Tool
• Hazardous person-environment encounters
• 8 areas of the home
## Scoring the HAP: Hazard scores

<table>
<thead>
<tr>
<th>Hazard Scores</th>
<th>0</th>
<th>No Risk</th>
<th>1</th>
<th>Low to Mild Risk</th>
<th>2</th>
<th>Moderate to High Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Difficulty manoeuvring around item</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Difficulty some of the time</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Difficulty 10 to 40% of time hazard encountered</td>
<td></td>
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<td></td>
<td></td>
<td>Difficulty manoeuvring around item</td>
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<td></td>
<td>Difficulty most of the time</td>
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<td></td>
<td></td>
<td>Difficulty 41 to 100% of time hazard encountered</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Scoring the HAP: Frequency scores

<table>
<thead>
<tr>
<th>Frequency Scores</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Never</td>
</tr>
<tr>
<td>1</td>
<td>Less than 1 time per month</td>
</tr>
<tr>
<td>2</td>
<td>Less than 1 time per week</td>
</tr>
<tr>
<td>3</td>
<td>2 to 3 times per week</td>
</tr>
<tr>
<td>4</td>
<td>1 to 2 times per day</td>
</tr>
<tr>
<td>5</td>
<td>More than 2 times per day</td>
</tr>
</tbody>
</table>
Method

- Training and Education
- 12 therapists completed 5 HAP’s each
- Standard OT practice for Home Assessment
- Inclusion Criteria: Aged Care patient, 65 years and over
- Exclusion: under 65 years, Home Assessment for one specific intervention
Results

• Risk reduction scores
• Frequency of recommendations in areas of the home
• Types and frequency of recommendations
Results

Percentage of patients per reduction in risk category

<table>
<thead>
<tr>
<th>Reduction in Risk</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-50%</td>
<td>8%</td>
</tr>
<tr>
<td>51-80%</td>
<td>42%</td>
</tr>
<tr>
<td>81-100%</td>
<td>50%</td>
</tr>
<tr>
<td>100%</td>
<td>25%</td>
</tr>
</tbody>
</table>
Results

Number of recommendations for each area of the Home

- Into the house: 102
- Living Room: 81
- Kitchen: 62
- Bedroom: 97
- Bathroom: 120
- Toilet: 75
- Other relevant pathway: 28
- Other outside access: 27
Results

Recommendations

- Modification to the Environment
- Increased Support
- Restricting the occupation
- Mobility Recommendations
- Equipment Prescription
- Alternative strategies for the occupation
Results

Frequency of Type of Recommendations

- Modification to Environment: 258
- Alternative Strategy: 110
- Restricting the Occupation: 7
- Increased Support: 65
- Mobility Specific Recommendation: 23
- Equipment Prescription: 129
Modification to the environment

Equipment Prescription

Restricting the occupation

Increased support

Discussion

Mobility recommendations

Alternative Strategies

Modification to the environment

Occupation

Occupational performance and participation

Performance

Well-being

Quality of life

Normal environment

Built environment and technology

Culture and values

Social and economic systems

Social support

Environment

(Extrinsic factors)

Person

(Intrinsic factors)

Neurobehavioural

Psychological

Cognitive

Spiritual

Physiological
Discussion

• The HAP was a suitable outcome measure for home assessments completed for the inpatient aged care service.
• Risk reduction scores achieved highlighted the effectiveness of home assessment.
• OT staff made varied and individualised recommendations that were in line with the person, occupation, environment model of practice.
• This finding was consistent with and provided evidence for previously gained consumer feedback and conceptual definition that home assessments provided patients the opportunity to engage in meaningful occupations in a relevant context at the point of discharge.
Limitations

• Discharge and re-admission rate
• Score based assumed reduction of risk
• Purpose of OT Home Assessment potentially impacting outcomes
• Experience /Grade level of OT contribution to recommendations
Future Directions

• Routine use of the HAP as a KPI
• Determination of actual reduction of risk based on implementation of recommendations
• Patients perceptions of OT Home Assessments
• Impact on discharge planning and readmission rates
What happens with your HAP scores??

OT completed 93 home assessments in April, May, June and this resulted in 81 - 100% risk reduction for 89% of patients!

- Amazing OTs complete home assessments
- OTs score the HAP
- Data analysis is completed
- Kate reports back at the Directorate Quality and Performance meeting highlighting our role in high quality care provision and sustainable discharge
- “Wow” they say, “That’s fantastic”
Questions

References:
