The development of a hygiene (toilet/access) sling assessment tool to promote safe prescription:

An international collaborative approach.

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Aims of this session
Patient falls from a hoist and sling are often serious, and frequently occur between bed and toilet

(Cohen et al 2010)
Lack of Evidence based guidance?
Number of Deaths Caused by Hoisting

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>2</td>
</tr>
<tr>
<td>2007</td>
<td>4</td>
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<tr>
<td>2008</td>
<td>3</td>
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<tr>
<td>2009</td>
<td>3</td>
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<tr>
<td>2010</td>
<td>2</td>
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<tr>
<td>2011</td>
<td>2</td>
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<tr>
<td>2012</td>
<td>2</td>
</tr>
<tr>
<td>2013</td>
<td>6</td>
</tr>
<tr>
<td>2014</td>
<td>3</td>
</tr>
<tr>
<td>2015</td>
<td>2</td>
</tr>
</tbody>
</table>
How to reduce serious incidents?
Research process to date

- Initial survey n=211 to generate themes
  - December 2017

- Framework analysis 1st draft of HASAT
  - March 2018

- International consensus using focus groups n=140
  - April- Dec 2018

- Content analysis of feedback to develop 2nd draft of HASAT
  - February 2019
• Detail the positives for using hygiene slings

• What are your concerns regarding toileting slings?

• Detail how you would assess for a hygiene sling

• Are there any methods you would use to check for suitability?

• Detail why you would exclude somebody from using a hygiene sling
What is your profession?

n=211

- Occupational Therapist 133 (51.4%)
- Moving and Handling Assessor 30 (11.6%)
- Moving and Handling Trainer 32 (12.4%)
- Equipment Assessor 14 (5.4%)
- Physiotherapist 11 (4.2%)
- Nurse 9 (3.5%)
- Carer 11 (4.2%)
- Other 9 (3.5%)
- Other 10 (3.9%)

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Framework analysis

Two main themes

Centred around
1. The patient

2. The practical use of the sling
Advantages the Sub Themes

- Easy to fit and use: 22%
- Single-Handed Care: 2%
- Better positioning: 2%
- Safety: 1%
- Speed and reduction of transfers: 14%
- Access to perform toileting hygiene and personal care: 39%
- Maintains independence: 11%
- Reduce the amount of moving and handling required: 9%
Concerns sub themes

- Carers misuse: 14%
- Clients cognition: 7%
- Clients physical condition: 13%
- Safety falling through shoulder injury: 21%
- No concerns: 3%
- Inappropriate use: 13%
- Reason for use: 5%
- Sling and patient in poor position: 10%
- Assessment and regulations: 14%
Safety sub themes concerns using hygiene slings

- Shoulder injury: 20%
- falling through: 80%
Assessment methods?

- Pre Assessment
- Pre test
- Trial in sling:
1. What task will the hygiene sling be used for seated or toilet transfers?

2. Fear or anxiety related to being hoisted

3. Cognitive limitations: confusion, challenging or unpredictable behaviour

4. Identify Medical conditions: Hemiplegia-hemiparesis

5. Conditions of the shoulder, osteoporosis, pain or previous fractures

6. General muscle tone Sitting balance, posture, head control, trunk control in an unsupportive chair

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Quick Sit Tests- Can they?

Bottom walk
Ask the client to wriggle forward in the chair

Seated push up from the chair

Can-can kick
Ask to lift each leg individually to straighten knee

Link me
Link your arm through their and ask them to pull away

Does the person display distressed behaviours, fear or anxiety about being hoisted?
CET

Fit Hygiene Sling and hoist for 10 sec after “stop pause check” at 10cm above chair. Observe for:

- Over flexion at the hip leading to “slipping through” or “bottoming out” through aperture.
- Does the client keep their arms on the outside of the sling?
- Is there any support required for the head?
- Sling “creeping” up under the arms.
- Is the client well supported in a good position?
Consider assistance required

• Informal/family members-check availability & health of family members

Provide training

• Formal care givers/care agency staff- Number of staff required 1 or 2

Provide training

Review process to check client on a regular basis
Red Flag contraindications
Can we identify definite no-no’s?

- Poor sitting balance
- Cognitive difficulties
- Seizures or spasms
- Unpredictable behaviour
- Variable condition
- Challenging behaviour
- Dementia
New format

• Version two comprises of four sections designed around the commonly used assessment format: TILE ELITE, LITE

• Task

• Individual

• Load

• Environment
We need you!!

• Delphi consensus approach to EVALUATE HASAT version 2
  • (Hygiene/Access Sling Assessment Tool)

• We have HASAT version 2 available and would like YOUR opinion to contribute to the consensus prior to piloting the tool.

• Now in groups of 3 or 4 familiarise yourself with the tool for the first ten minutes as a group.

• Then focus on sections 2-5 and decide whether you agree or disagree with the question and considerations to be included in the assessment process.
### Individual: Training needs of the carers formal and informal

<table>
<thead>
<tr>
<th>Question</th>
<th>Considerations</th>
<th>Actions (for therapists to make notes/comments)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q2.1 Does the care giver require training on the fitting of the sling?</td>
<td>Yes: The normal route for training of the care giver this could be yourself or another</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No: Assess competency of the care giver</td>
<td></td>
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<tr>
<td></td>
<td>Competent: continue</td>
<td></td>
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<tr>
<td></td>
<td>Not competent: as above</td>
<td></td>
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<tr>
<td>Q2.2 Does the care giver require training how to deal with combative behaviours?</td>
<td>Yes: The normal route for training of the care giver this could be yourself or another</td>
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<tr>
<td></td>
<td>No: Assess competency of the care giver</td>
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<tr>
<td></td>
<td>Competent: continue</td>
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<tr>
<td></td>
<td>Not competent: as above</td>
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### Load: Physical and Cognitive Presentation of the Load (Person being hoisted)

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<tr>
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<th>Considerations</th>
<th>Actions (for therapists to make notes/comments)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3.1 Sitting Does the person have sufficient trunk control to sit upright with minimum support?</td>
<td>Yes: Continue with assessment</td>
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<tr>
<td></td>
<td>No: Consider a specialist Hygiene sling for assessment or a fully body sling</td>
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<tr>
<td>Agree</td>
<td>Disagree</td>
<td>Question</td>
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<td>-------</td>
<td>----------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>✓</td>
<td></td>
<td><strong>Q1. Sitting</strong></td>
</tr>
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<td></td>
<td></td>
<td>Does the person have sufficient trunk control to sit upright with minimum support?</td>
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<tr>
<td></td>
<td></td>
<td>Can they sit forward in the chair?</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td></td>
<td><strong>Q2. Hip Flexion</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Can the person maintain hip flexion? Between 75-90 °</td>
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<td>Can they lift their foot off the floor? Whilst the handler adds gentle resistance on the thigh</td>
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<td></td>
<td></td>
<td><strong>Q3. Head Control</strong></td>
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</tbody>
</table>
Thank you for taking time with giving us feedback if you wish for us to contact you for you to contribute towards the evidence base and to take part in the next stage drop us an email

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