Exploring acoustical environmental factors influencing BPSD: a participatory observation study

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Qualitative design

15 Participants
• 5 Nursing Homes
• 3 Participants/NH

Participatory observation
• 7 a.m. - 3 p.m.
• 3 p.m. - 11 p.m.
• 11 p.m. - 7 a.m.
<table>
<thead>
<tr>
<th>BPSD</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affective Symptoms (Dysphoria and Anxiety)</td>
<td>11/15</td>
</tr>
<tr>
<td>Psychosis (Delusions and Hallucinations)</td>
<td>8/15</td>
</tr>
<tr>
<td>Hyperactivity (Irritability and Aggression)</td>
<td>15/15</td>
</tr>
<tr>
<td>Euphoria</td>
<td>2/15</td>
</tr>
</tbody>
</table>
Discussion

- Seasonal factors
- One observer
- Hearing loss
- The environment
Conclusion

- Prevent and/or trigger BPSD
- Indivual (personality / dementia)
- Interaction between personal and acoustical environmental factors
- Can be influenced by
  - caregivers
  - physical acoustical environment