



**Scotland's  
health**

## Research and Evidence: Oral health and adults with additional care needs

Susan Carson  
Consultant in Dental Public Health,  
NHS Health Scotland  
Clinical Lecturer, School of Dentistry,  
University of Dundee



# What does the research tell us about?

- Oral health in adults with physical and cognitive impairment
- Medical problems and oral health
- Mouth care provided by someone else



# Guidance note on asking questions on: disability

**Question:** Do you have a physical or mental health condition or illness lasting or expected to last 12 months or more?

Answer:

1. Yes
2. No
3. Don't know
4. Refusal

Source: <https://www2.gov.scot/Resource/0039/00393542.pdf>



## If answer 'Yes' follow up with the second part of the question:

**Question:** Does your condition or illness reduce your ability to carry-out day-to-day activities?

Answer:

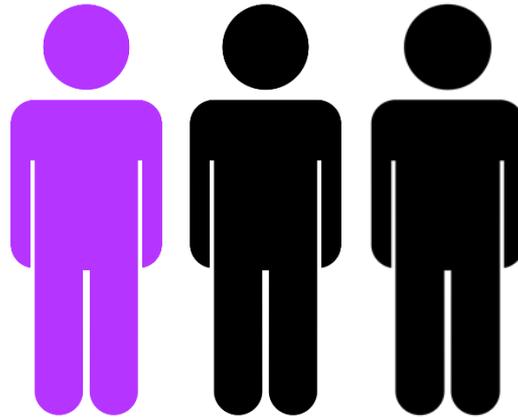
1. Yes, a lot
2. Yes, a little
3. Not at all

Source: <https://www2.gov.scot/Resource/0039/00393542.pdf>



# Disability in Scotland

33% of Adults had a long term limiting health condition or disability in 2016



Source: Scottish Health Survey (SHES) 2008-2016

Further information available at: <https://www2.gov.scot/Topics/People/Equality/Equalities/DataGrid/Disability>



# Scottish Government: Health, Social Care and Sport

In 2015, those with a long-term limiting conditions have considerably lower levels of good / very good general health than the rest of the population

27% compared with 89% in the non-disabled group

Source: Scottish Surveys Core Questions 2015 (Last updated: November 2016)

Further information available at: <https://www2.gov.scot/Topics/People/Equality/Equalities/DataGrid/Disability>



- Physical Impairment

People with cerebral palsy  
People with sensory impairments  
**Arthritic-type conditions**  
Post-stroke patients  
Advanced Multiple Sclerosis  
(PEG)-fed patients



- Cognitive Impairment

People with dementia  
Medical causes  
**Stroke**  
Acquired Brain Injury  
Huntington's disease



# Long Term Conditions and Multi-Morbidity

- Long-term conditions
- Socio-economic distribution of long-term conditions
- Multi-morbidity and deprived populations

Source: <https://www.kingsfund.org.uk/projects/time-think-differently/trends-disease-and-disability-long-term-conditions-multi-morbidity>



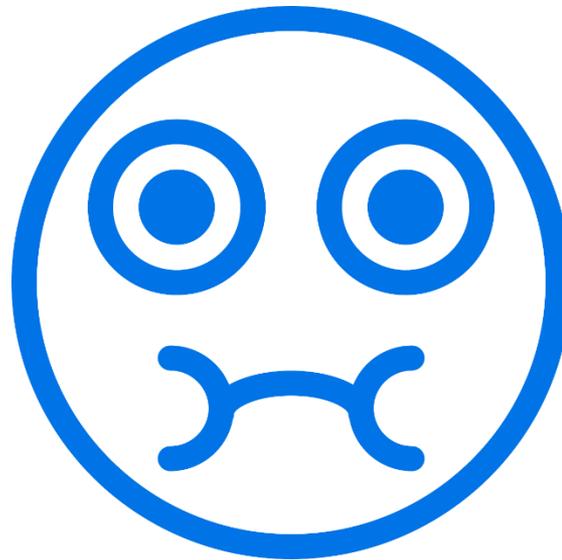
## *Cochrane Database of Systematic Reviews*

- Oral hygiene care for critically ill patients to prevent ventilator-associated pneumonia
- Powered versus manual tooth brushing for oral health
- Interventions for cleaning dentures in adults
- Interventions for the management of dry mouth

Source: <https://oralhealth.cochrane.org/>



# Emotional psychology and its role in oral health and mouth care provision



References: Johnson I, Treasure E and Smith A. 2013. Disgust and attitudes towards inpatient oral care. Presented at: BSODR 2013 British Division Meeting, Bath, England, 9 Sep 2013.  
Johnson, I. G. 2013. Nurses' emotions and oral care for hospitalised adults. PhD Thesis, Cardiff University.



“It’s valuable in that it’s an aspect of personal care that is often missed and I feel now that I have the knowledge to prevent it being an issue...”



“Brushing someone else’s teeth was quite interesting but very effective as I will never forget it.”



Thank you