

# Identifying the signs of malnutrition in people with dementia at home: TOMATO Project

nuTritiOn and deMentia AT hOme: TOMATO

**UKMAW2023 Learning Event** 



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<a href="http://www.bournemouth.ac.uk/tomato">http://www.bournemouth.ac.uk/tomato</a>















## **Overview**

 Nutrition-related issues and risk of malnutrition in people living with dementia

 Approaches to spot the signs of malnutrition and improve eating and drinking

TOMATO project: nuTritiOn and deMentia AT hOme

• Q&A



# Eating and drinking problems





Other challenges of eating and drinking for people with dementia?





As dementia progresses, eating and drinking can become more challenging.



## **Nutrition and Dementia**

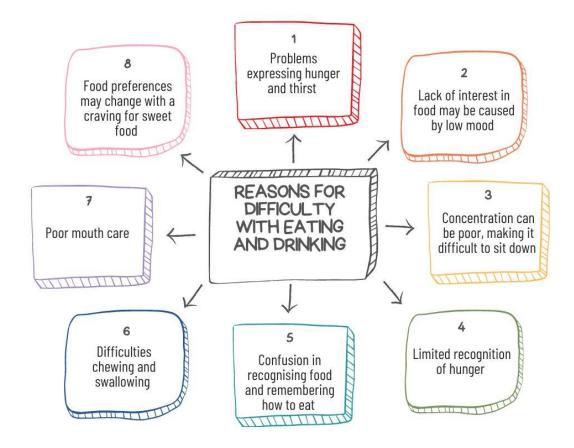
- Two-thirds of people with dementia live at home and rely on family or friends to support with eating and drinking.
- As dementia progresses, ensuring people eat and drink well can be difficult.



https://dementiastatistics.org/statistics/numbers-of-people-in-the-uk-2/

# Eating and drinking problems

# Eating and drinking can become increasingly difficult due to various reasons:



#### More...

- Loss of ability to feed oneself and reduced coordination
- Storing food in the mouth, spitting food out or completely refusing to eat
- Reduced thirst sensation
- Paranoia surrounding food



# 'Losing weight is not an inevitable part of ageing'

Signs of poor nutrition & hydration



## **Unplanned weight loss**

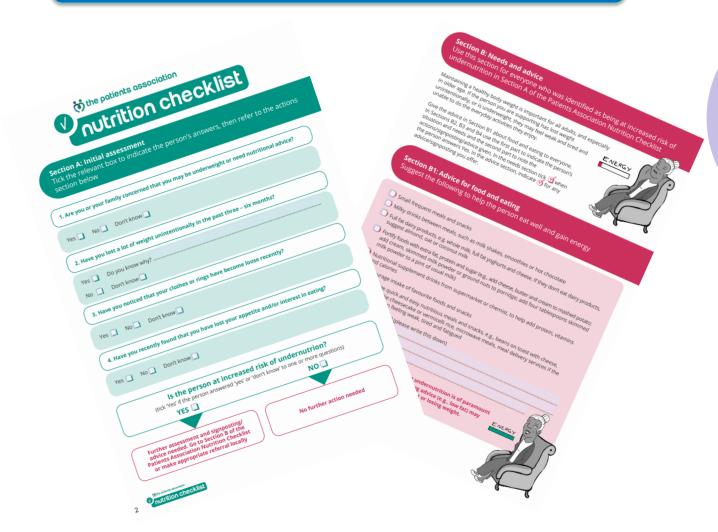
# Other 'warning signs'

- Poor appetite
- Loss of interest in food
- Loss of interest in activities / routines
- Absence at clubs / activities
- Irritability
- Pressure sores / poorly healing wounds
- Urinary infections
- Poor concentration
- Unwell more or for longer than usual

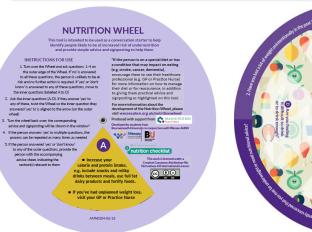


# New tools to identify malnutrition through a conversation (early identification and signposting)

### **Patients Association Nutrition Checklist**



# **Nutrition Wheel**







# USING TOOLS TO START CONVERSATIONS ABOUT EATING WELL IN LATER LIFE





# Eating and drinking well at home











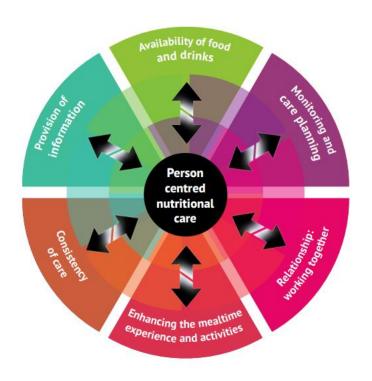
What can we do to improve eating and drinking?





## Model to Deliver Person-Centred Nutritional Care in Dementia





Murphy et al (2017) Nutrition and dementia care: developing an evidence-based model for nutritional care in nursing homes BMC Geriatrics 17:55



## **Our Existing Research-Informed Resources**

## **Eating and Drinking Well with Dementia**



- ✓ Workbook
- ✓ Video
- ✓ Guides for staff and family carers, and resources and leaflets

https://www.bournemouth.ac.uk/research/projects/optimising-food-nutritional-care-people-dementia





# **About Project TOMATO (November 2022 to August 2024)**

- Aim: To work together with home care staff, people with dementia and family carers to provide nutritional care for people living with dementia at home.
- Location: Home care organisations across England
- Method: Mixed-methods study
- Two Phases





## **Phase 1: Adapting Intervention to Home Care**

### What have we done so far?

- Research Ethics approval
- Patient and Public Involvement (PPI) Group and Project Steering Group (PSG)
- TOMATO project multidisciplinary expert team
- We have worked together with people living with dementia, their family carer(s), homecare staff and nutrition experts to adapt the existing intervention for home care

#### Participants | Semi-structured interviews (individually or in pairs)

- People with dementia / carer dyads
- Home care workers





# Home care Resource | Coming Soon!











## **Phase 2: Intervention Testing**

To test acceptability and feasibility of the intervention for people with dementia and family carers receiving care at home.

#### **Approach**

- ✓ Home care workers training to deliver the adapted approach.
- ✓ Baseline and follow up data
- ☐ Existing care plans, screening data (food intake, weight).
- Costs of the approach
- ☐ Semi-structured interviews ☐
- ☐ Focus groups

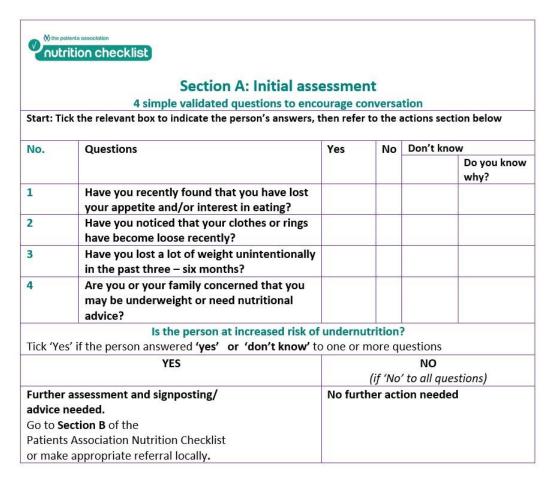
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#### **Participants**

- People with dementia /carer dyads who receive home care
- Home care workers, home care managers, clinical expertise for nutrition



# Spotting the signs of poor nutrition



Adapted from: The Patients Association and Health Innovation Wessex Visit: www.bournemouth.ac.uk/TomatoPOI

#### Monitoring to spot the signs of poor nutrition

Home care professionals play an important role in supporting people living with dementia at home.

Useful **conversational** tool such as the **Patients Association Nutrition Checklist** can help with spotting the signs of poor nutrition to identify potential risk of undernutrition by asking **4 simple questions**.

■ A potential risk of undernutrition due to not eating and drinking sufficiently may be identified if the client answers yes or don't know to one or more questions as stated on the checklist.





## **Next Steps**



- ✓ Timeline | November 2022 to August 2024
- ✓ If feasible and acceptable, findings will inform the design of future larger study
- ✓ Continuous engagement with our Patient and Public Involvement Group and Project Steering Group to shape the study





# Home care Resource | Coming Soon!









## Keep in contact

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**Project TOMATO WebPage:** 

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