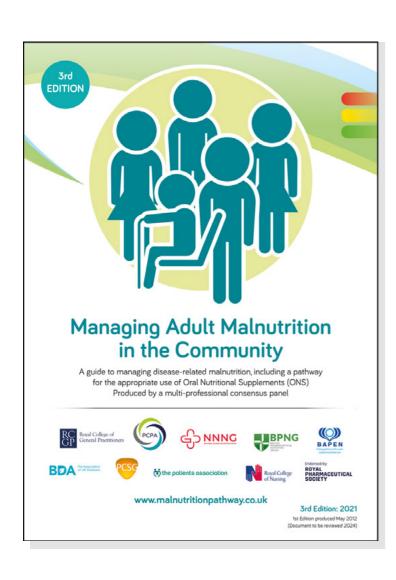


A Guide to Managing Adult Malnutrition in the Community





Managing adult malnutrition in the community



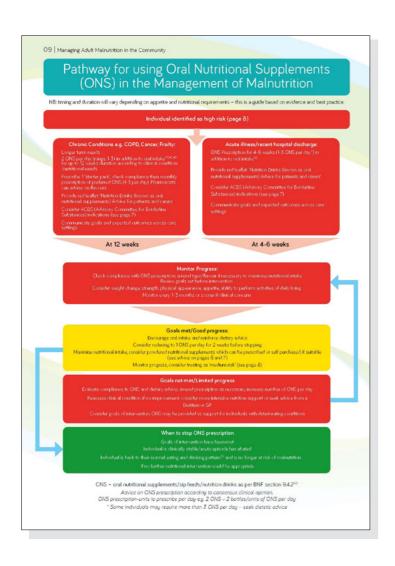
A practical guide supporting GPs and community healthcare professionals to identify and manage individuals at risk of disease-related malnutrition

- Includes a pathway for the appropriate use of oral nutritional supplements (ONS)
- Developed by a multi-professional panel with expertise and an interest in malnutrition
- Based on evidence, clinical experience and accepted best practice
- Third edition 2021 second edition 2017 first edition 2012

Visit malnutritionpathway.co.uk for further information and references



Managing adult malnutrition in the community



Contents

- Malnutrition overview
- Identification of malnutrition: nutrition screening
- Assessment: identification of the underlying cause of malnutrition
- Management of malnutrition
- Optimising Nutritional Intake:
 - Monitoring the intervention
 - Managing malnutrition according to risk category
- Pathway for using oral nutritional supplements in the management of malnutrition (high risk)



2021 panel members

Anne Holdoway (Panel Chair)

Consultant Dietitian, Specialist in Gastroenterology and Palliative Care, Education Officer, British Association of Parenteral and Enteral Nutrition (BAPEN)

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Louise Nash

Dietitian, Frailty and Home Enteral Feeding Dietitian, Airedale NHS Foundation Trust

Dr Anita Nathan

General Practitioner, Malnutrition lead for GPs Interested in Nutrition and Lifestyle Group (GPING) (an RCGP Specialist Group)

Ruth Newton

Nutrition Pharmacist, Countess of Chester Hospital, British Pharmaceutical Nutrition Group (BPNG)

Sam Cudby

Practice Pharmacist, Addlestone, Representative of the Primary Care Pharmacists Association (PCPA)

Carolyn Doyle

Professional Lead for Community & End of Life Care, Royal College of Nursing (RCN)

The document was also reviewed by **Dr Graham Stretch**, Primary Care Pharmacists Association (PCPA) President, PCN Clinical Director, London



Professional and patient groups supporting 'Managing Adult Malnutrition in the Community'



















Endorsed by
ROYAL
PHARMACEUTICAL
SOCIETY



NICE endorsement statement NICE CG32

A link to the document website (malnutritionpathway.co.uk) can be found under the tools and resources section of NICE CG32

NICE Endorsement Statement - Managing Malnutrition in the Community

This booklet supports the implementation of recommendations in the NICE guideline on nutrition support for adults (www.nice.org.uk/guidance/cg32) It also supports statements 1, 2 and 5 in the NICE quality standard for nutrition support in adults (www.nice.org.uk/guidance/qs24).

National Institute for Health and Care Excellence Endorsed December 2017. Updated June 2021



Adopted and integrated into a range of National Guidelines

The Managing Adult Malnutrition in the Community guidelines can be found in eGuidelines, guidelines for pharmacy and guidelines for nurses websites







https://www.guidelines.co.uk/nutrition/bapen-adult-malnutrition-guideline/454297.article



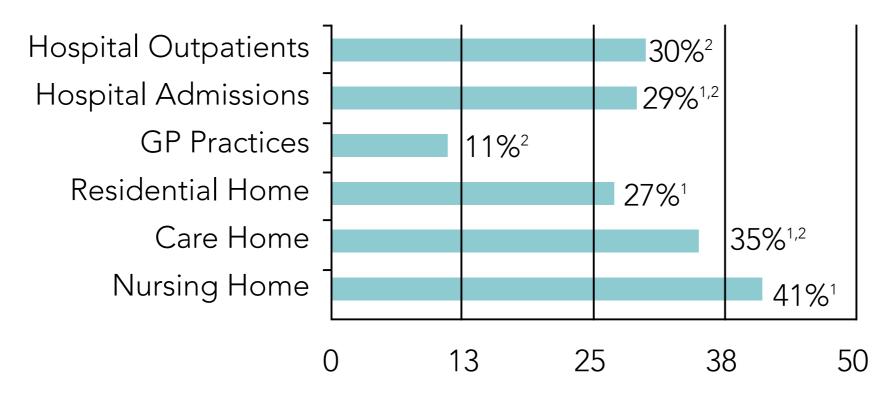
Clinical and Financial Consequences of Malnutrition

Malnutrition is Common:



93% of those at risk live in the community^{1,2}

Malnutrition Prevalence %



- 1. Stratton R, Smith T, Gabe S. Managing malnutrition to improve lives and save money. BAPEN. October 2018. https://www.bapen.org.uk/pdfs/reports/mag/managing-malnutrition.pdf
- 2. Holdoway A et al. Managing Adult Malnutrition in the Community. 2021 https://www.malnutritionpathway.co.uk/library/managing_malnutrition.pdf



Groups at risk of Disease-related Malnutrition includes those with: 1,2

- Chronic disease e.g. COPD, cancer
- Progressive neurological disease e.g. dementia, MND
- Acute illness (more common in hospital than the community)
- Frailty e.g. immobility, old age, recent discharge from hospital, sarcopenia
- Neuro-disability e.g. cerebral palsy, learning disabilities
- Impaired swallow (dysphagia)
- End of life requirements/palliative care needs
- Also those undergoing:
 - Prehabilitation to optimise nutritional status prior to surgery
 - Rehabilitation to provide on-going support in the community after an acute episode of care e.g. after surgery, stroke, injury, cancer treatment, hospital admission

References:

1. Stratton R, Smith T, Gabe S. Managing malnutrition to improve lives and save money. BAPEN. October 2018. https://www.bapen.org.uk/pdfs/reports/mag/managing-malnutrition.pdf 2. Holdoway A et al. Managing Adult Malnutrition in the Community. 2021 https://www.malnutritionpathway.co.uk/library/managing_malnutrition.pdf



Consequences of Malnutrition^{1,2}

- Increased falls risk
- Slower recovery from illness and surgery
- Poor clinical outcomes
 e.g. higher mortality,
 complications, infections

- Impaired immune response
- Reduced muscle strength and frailty
- Impaired wound healing
- Impaired psycho-social function e.g. anxiety, depression, altered cognitive function



- 1. Stratton R, Smith T, Gabe S. Managing malnutrition to improve lives and save money. BAPEN. October 2018. https://www.bapen.org.uk/pdfs/reports/mag/managing-malnutrition.pdf
- 2. Holdoway A et al. Managing Adult Malnutrition in the Community. 2021 https://www.malnutritionpathway.co.uk/library/managing_malnutrition.pdf



Tackling malnutrition to improve outcomes

- Malnourished individuals have poorer clinical outcomes and greater healthcare use, impacting on the health economy^{1,2}
- Tackling malnutrition can improve nutritional status, clinical outcomes and reduce healthcare use^{1,2}



- 1. Stratton R, Smith T, Gabe S. Managing malnutrition to improve lives and save money. BAPEN. October 2018. https://www.bapen.org.uk/pdfs/reports/mag/managing-malnutrition.pdf
- 2. Holdoway A et al. Managing Adult Malnutrition in the Community. 2021 https://www.malnutritionpathway.co.uk/library/managing malnutrition.pdf



Malnutrition is Costly:

The consequences of malnutrition costs the UK health and social care system:

- More than £23bn each year
- This equates to 15% of total expenditure on health and social care
- The amount corresponds to approximately £370 per capita of the population¹ and breaks down to an average cost of over £15 million per PCN in England²

- 1. Stratton R, Smith T, Gabe S. Managing malnutrition to improve lives and save money. BAPEN. October 2018. https://www.bapen.org.uk/pdfs/reports/mag/managing-malnutrition.pdf
- 2. Average cost calculated on the basis of £19bn per year cost of malnutrition in England and 1,250 PCNs in the UK



The Cost of Malnutrition

- It is estimated that identifying and treating malnutrition according to NICE guidance (CG32/QS24) can save at least £123,530 per 100,000 people¹
- The estimated annual health and social care costs of treating a malnourished patient are 3x that of a non-malnourished patient 1.2:
 - patient with malnutrition = $£7,408^{1,2}$
 - similar patient without malnutrition = $£2,155^{1.2}$
- The cost of nutrition support products (including ONS, tube feeds and parenteral nutrition) is low at <2.5% of the total expenditure on malnutrition¹²

- 1. Stratton R, Smith T, Gabe S. Managing malnutrition to improve lives and save money. BAPEN.
- October 2018. https://www.bapen.org.uk/pdfs/reports/mag/managing-malnutrition.pdf
- 2. Holdoway A et al. Managing Adult Malnutrition in the Community.
- 2021 https://www.malnutritionpathway.co.uk/library/managing_malnutrition.pdf



National Institute for Health and Care Excellence (NICE) Guidance

NICE Clinical Guideline CG32¹ and supporting Quality Standard QS24²:

- NICE CG32¹ recommends considering oral nutrition support to improve nutritional intake of people who can swallow safely and are malnourished or at risk of malnutrition (A-grade evidence)
- NICE QS24² emphasises the need for all care services to take responsibility for the identification of people at risk of malnutrition and to provide nutrition support for everyone who needs it

- 1. National Institute for Health and Care Excellence (NICE). Nutrition support in adults: oral nutrition support, enteral tube feeding and parenteral nutrition. Clinical Guideline 32. 2006 (Updated 2017).
- 2. National Institute for Health and Care Excellence (NICE). Nutrition support in adults. Quality Standard 24. 2012



A Guide to Managing Adult Malnutrition in the Community

Document Summary



Four Steps to Managing Malnutrition

Four Steps to Managing Malnutrition including Unintentional Weight Loss

The process of managing disease related malnutrition can be broken down into four key steps:

- Step 1: Identification of malnutrition: nutrition screening
- Step 2: Assessment: identifying the underlying cause of malnutrition
- Step 3: Management: identifying treatment goals and optimising nutritional intake
- Step 4: Monitoring the intervention

This four step process reflects both the nutrition care process and care frameworks that are used by a range of healthcare professionals to manage health, and healthcare conditions



Identifying malnutrition

- Use a validated screening tool e.g. 'Malnutrition Universal Screening Tool' ('MUST')
- 'MUST' is validated for use across healthcare settings by healthcare professionals
- 'MUST' is a tool that uses BMI, unplanned weight loss and effect of acute disease on nutritional intake to calculate the risk of malnutrition

BMI score

>20 kg/m²

Score 0

18.5 - 20 kg/m²

Score 1

<18.5 kg/m²

Score 2

Weight loss score

Unplanned weight loss score in past 3-6 months

5 - <10%

5 - <10% >10%

Score 2

Score 1

Score 0

Acute disease effect score

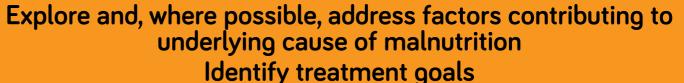
(unlikely to apply outside hospital)
If patient is acutely ill and there has been, or is likely to be, no nutritional intake for more than 5 days

Score 2

Total score 0 - 6







Low risk - score 0
Routine Clinical Care

Medium risk - score 1 Observe High risk - score 2 or more Treat

Reference:

The "MUST" report. Nutritional screening for adults: a multidisciplinary responsibility. Elia M, editor. 2003. Redditch, UK, BAPEN. www.bapen.org.uk/musttoolkit



Identifying malnutrition

If consultations are being undertaken remotely without physical measures (e.g. BMI, weight):

- Use patient reported values of current weight, height, previous weight to calculate
 Step 1 and Step 2 of 'MUST' if available
- Where not possible to obtain physical or self-reported measures of weight or height (measured or recalled) use subjective indicators collectively to estimate malnutrition.
- Use questions to assist in obtaining information to inform a clinical impression of malnutrition risk and determine the most appropriate intervention:

Estimated risk of malnutrition	Indicators	
Unlikely to be at-risk (low)	Not thin, weight stable or increasing, no unplanned weight loss, no reduction in appetite or intake	
Possibly at-risk (medium)	Thin as a result of disease/condition or unplanned weight loss in previous 3-6 months, reduced appetite or ability to eat	
Likely to be at-risk (high)	Thin or very thin and/or significant unplanned weight loss in previous 3-6 months, reduced appetite or ability to eat and/or reduced dietary intake	



Assessment: Identifying the Underlying Cause of Malnutrition

It is important to consider the underlying cause to help identify the most appropriate nutritional care:

- identifying causes and symptoms which are interfering with the ability to eat and drink
- address those that can be reversed or modified

Examples of problems/symptoms	Considerations	
Early satiety, reduced appetite, feeling	Eating nutrient dense/nutritious foods, little and often, full after small amounts e.g. high calorie/energy, high protein foods	
Dry mouth, sore mouth, fatigue,	Soft, easy to chew, moist diet with added sauces. chewing difficulties Consider if issues are caused by external factors e.g. poor dentition, oral thrush, and refer as appropriate	Consider if any
Loss of taste, taste changes	Enhance taste with sauces, marinating, trying new foods, adding herbs, spices or zest	medications are causing or aggravating
Swallowing issues	Consider referral to a Speech and Language Therapist, however in the meantime refer to advice on managing dysphagia - www.malnutritionpathway.co.uk/dysphagia.pdf	symptoms and whether they can be stopped
Altered bowel habit, vomiting	Check for causes e.g. disease itself, side effects of treatment, infection - seek further advice on treatment, consider referral to a Dietitian	or if a new medication may help - seek advice
Pain	Identify cause, seek advice on management and suitable medication	from a Pharmacist
Anxiety, depression	Undernourishment can be a cause and/or a consequence of anxiety/depression. Consider referral to other services where appropriate	

Note: in some cases referral to relevant specialities may be required





Goals of intervention need to be agreed with the patient/carer and based on:

- disease stage, disease trajectory, prognosis and treatment
- what is acceptable for patient/carer and feasible to implement

Examples of goals include:

Goals to consider	Examples by medical condition	
Optimise recovery, promote healing	Pressure ulcer treatment and post-surgery/discharge	
Optimise response and tolerance to treatment	Patients with cancer	
Improve mobility and reduce risk of falls	Frailty in older people	
Prevent further weight loss and preserve function	Palliative care	
Improve strength/increase muscle mass	Patients with sarcopenia or sarcopenic obesity	
Increase nutritional status and promote weight gain	Any patient with disease related appetite and eating difficulties	
Improve quality of life or ability to undertake activities of daily living	Frailty, rehabilitation	
Reduce infections, recurrence or exacerbation of a chronic condition	COPD	
Reduce severity of disease	IBD	
Improve/restore function	Post stroke, post ICU	
Slow deterioration in physical and mental function	MND	
Reduce hospital admissions and length of stay	Applicable to a range of conditions	

Progress should be monitored and goals modified accordingly

Managing malnutrition according to degree of risk



Low risk - score 0 Routine Clinical Care

- Provide green leaflet ('Eating Well')
- Review/re-screen: Monthly in care homes.
 Annually in community
- Consider more frequent re-screening in high risk groups (see page 3 for list)
- Consider if patient would benefit from dietary advice and dietary counselling to improve health and well being particularly those with long term conditions e.g.
 COPD, cancer, swallowing problems
- If BMI > 30 kg/m² (obese) treat according to local policy/national guidelines

(NB: weight reduction in older people with chronic disease needs to be balanced against potential risk of losing muscle) Explore and, where possible, address factors contributing to underlying cause of malnutrition Identify treatment goals

Medium risk - score 1 Observe

- Dietary advice to maximise nutritional intake. Encourage small frequent meals and snacks, with high energy and protein food and fluids³². Provide yellow leaflet 'Your Guide to Making the Most of your Food'
- Powdered nutritional supplements to be made up with water or milk are available³²
- Review progress / repeat screening after
 1-3 months according to clinical condition or sooner if the condition requires
- If improving continue until 'low risk'
- If deteriorating, consider treating as 'high risk'

High risk - score 2 or more Treat

- Provide dietary advice as 'medium risk'
- Provide red leaflet 'Nutrition Drinks (known as oral nutritional supplements).
 Advice for patients and carers'
- **Prescribe** oral nutritional supplements (ONS) and monitor: See ONS pathway, page 9. (Consider local formularies)
- On improvement, consider managing as 'medium risk'
- Consider referral to a Dietitian for dietary counselling at the earliest opportunity especially for complex cases

For more information and references please go to www.malnutritionpathway.co.uk/library/managing_malnutrition.pdf

For all individuals:

- Discuss when to seek help e.g. ongoing unplanned weight loss, changes to body shape, strength or appetite:
 - Don't overlook individuals with a high BMI in whom malnutrition arising from impaired intake and weight loss may not be obvious e.g. post-surgery, COPD
- Ensure that care plans are communicated between care settings
- Encourage patients to self manage. Consider directing to self screening resources e.g. www.malnutritionselfscreening.org
- Refer to other HCPs if additional support is required (e.g. Dietitian, Physiotherapist, GP, Speech and Language Therapist)





Managing malnutrition: Dietary advice to optimise nutritional intake: for those at medium and high risk

- Provide yellow leaflet
 'Your Guide to Making the Most of Your Food'
- Encourage small, frequent meals and snacks
- Discuss the importance of fortifying foods to increase calorie and protein intake
- Overcome potential barriers to oral intake:
 - Physical (e.g. dentition, appetite loss, taste changes)
 - Mechanical (e.g. need for modified texture diet after swallow assessment)
 - Environmental (e.g. ability to prepare food, financial issues)



 Remember: Acute and chronic disease may adversely affect appetite and an individual's ability to consume, source and prepare meals & drinks

https://www.malnutritionpathway.co.uk/library/pleaflet_yellow.pdf



Managing malnutrition: Dietary advice to optimise nutritional intake: for those at medium and high risk

- Encourage small, frequent meals and snacks with a focus on nutrient rich foods and drinks
- Care should be taken to ensure a balance of nutrients are provided and ensure protein and micronutrient requirements^{1,2}
- Dietary advice can only be effective if it is:²
 - feasible
 - acceptable
 - acted upon by the individual or carer



References:

1. National Institute of Health and Care Excellence (NICE). Nutrition support in adults: oral nutrition support, enteral tube feeding and parenteral nutrition. Clinical Guideline 32. 2006 (Updated 2017).

2. Holdoway et al. Managing Adult Malnutrition in the Community. 2021 https://www.malnutritionpathway.co.uk/library/managing_malnutrition.pdf

Management strategies





The Importance of Protein

A number of dietary strategies can be considered for patients who are at medium and high risk of malnutrition¹ including:

- Multiple studies have indicated that at least 25-30 g of high-quality protein is necessary at each meal to optimally build or maintain muscle in older people and those who are unwell:
 - during illness and in older age actual intakes of protein are frequently inadequate
- Left unaddressed the shortfall of protein (and energy), contributes to loss of muscle with a subsequent decline in immunity, strength and the ability to perform everyday activities:
 - this can lead to a loss of independence, falls, and increase risk of mortality
- Patients should be encouraged to eat 3-4 portions of high protein foods per day
 - for further information/ideas on protein see www.malnutritionpathway.co.uk/proteinfoods
- For patients with sarcopenia (loss of muscle mass and strength) emphasise the importance of protein rich foods and drinks
- For patients with sarcopenic obesity focus on protein intake and resistance exercises with a goal of gaining muscle (lean) mass as opposed to fat mass; i.e. the goal will be weight maintenance, not weight gain:
 - see www.malnutritionpathway.co.uk/library/factsheet sarcopenia.pdf for further information

Reference:

Holdoway et al. Managing Adult Malnutrition in the Community. 2021.

PROTEIN

Why it is important and where to find it

Eating too little protein, particularly for long periods of time, may lead to muscle weakness, frailty and slow recovery from illness and injury.

Tips for increasing your protein intake

- Try to have a portion of poultry, meat, fish, eggs, beans, pulses or If you are vegetarian/vegan, there are more ideas on plant-based include at each meal (see page 3 for further ideas)



Sarcopenia: loss of muscle mass

A HEALTHCARE PROFESSIONAL FACT SHEET

hole as we age or live with a long term condition'. The European Working Group on Sare

Managing malnutrition: Oral nutritional supplements (ONS) to optimise nutritional intake: for those at high risk

- ONS contain energy, protein and micronutrients
- They are used to supplement the diet when diet alone is insufficient to meeting daily nutritional requirements. They are not intended as a food replacement
- Evidence demonstrates a range of clinical and health economic benefits¹
 - Increase in nutritional intakes
 - Improve weight and function (e.g. strength, QoL)
 - Reduced complications (e.g. pressure ulcers, poor wound healing, infections), mortality, hospital admissions/re-admissions
- Benefits seen with 1-3 ONS per day, 2-3 months duration^{1,2}
 https://www.malnutritionpathway.co.uk/library/pleaflet_red.pdf

- 1. National Institute for Health and Care Excellence (NICE). Nutrition support in adults: oral nutrition support, enteral tube feeding and parenteral nutrition. Clinical Guideline 32. 2006 (Updated 2017).
- 2. Stratton RJ, Elia M. A review of reviews: A new look at the evidence for oral nutritional supplements in clinical practice. Clinical Nutrition Supplements 2, 5-23. 2007.







Managing malnutrition: Oral nutritional supplements (ONS)



- ONS varieties are available to meet individual needs and preferences
 - Styles (milk, juice, yogurt, savoury),
 - Formats (liquid, powder, pudding, pre-thickened)
 - Types (high protein, fibre containing, low volume)
 - Energy densities (1 2.4 kcal/ml)
 - Flavours
- Most ONS provide ~300kcal, 12g protein and a full range of vitamins and minerals per serving
 - **High protein ONS:** can be suitable for individuals with high protein needs, e.g COPD, wounds, post-operative patients, some types of cancer, older people with frailty, patients who have been in ICU, patients with sarcopenia
 - Fibre-containing ONS: can be useful for those with gastrointestinal disturbances (not suitable for those requiring a fibre-free diet)
 - Pre-thickened ONS and puddings: available for individuals with dysphagia or an impaired swallow. (Seek Speech and Language Therapist advice before prescribing)
 - Low volume high energy ONS: may aid complianceand may be better tolerated by patients who cannot consume larger volumes e.g. those with COPD

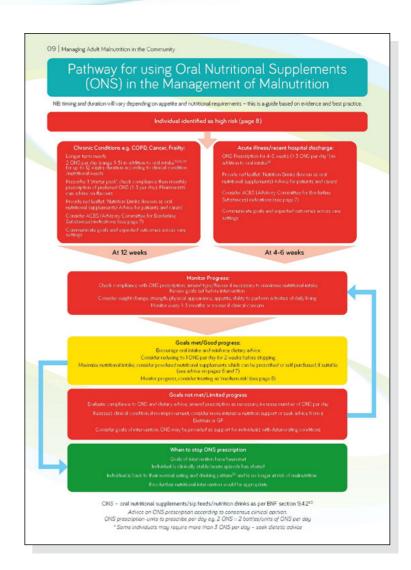
NB: Check product ingredients for specific allergies and intolerances.





Pathway for using ONS in the management of malnutrition

- For use in individuals at high risk of malnutrition or those at medium risk who fail to respond to first line dietary advice
- Outlines considerations prior to initiating a prescription
- Includes:
 - guidance on goal setting and monitoring
 - advice on seeking further help if progress is not as expected or not satisfactory
 - advice on when and how to discontinue ONS prescription
- Guides the use of ONS in those
 - recently discharged from hospital/those requiring ONS short term
 - with chronic conditions likely to require ONS longer term





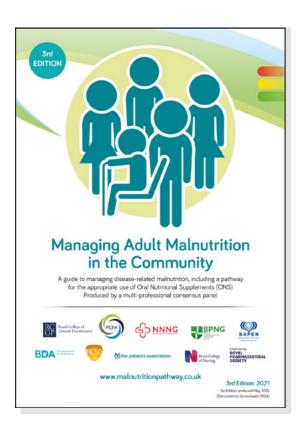
ACBS prescribable indications for ONS

- ONS should be used in accordance with their indications for prescribing only:
 - e.g. for the dietary management of disease related malnutrition
- ACBS approved indications for ONS can be viewed online at www.nhsbsa.nhs.uk/pharmacies-gp-practices-and-appliance-contractors/drug-tariff
- Refer to local formularies for guidance
- There may be individuals who fall outside these criteria, but who you think, based on clinical judgement, may benefit from ONS:
 - e.g. someone with new diagnosis who is starting to lose weight but does not yet reach the 'MUST' criteria for risk of malnutrition
- If prescribing for someone who does not meet the ACBS criteria document the rationale for ONS
- ONS might not be appropriate for some individuals:
 - e.g. in substance misuse



Summary

- Malnutrition is a common and costly problem in the UK
- The majority of malnutrition occurs in the community
- Tackling malnutrition can improve nutritional status, clinical outcomes and reduce healthcare use
- A Guide to Managing Adult Malnutrition in the Community:



- was developed by an multi professional expert panel to support healthcare professionals working in the community
- is endorsed by key professional and patient associations
- a practical, evidence-based guide which complements existing UK guidance
- it includes a pathway for the appropriate use of ONS including when to start and when to stop



www.malnutritionpathway.co.uk



- Interactive website based on document content
- Includes free downloadable resources and updates on malnutrition

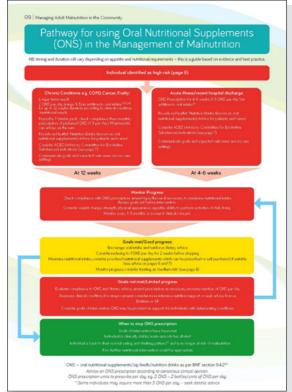
Resources available for healthcare professionals on www.malnutritionpathway.co.uk

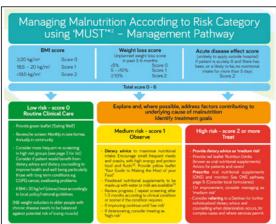
Managing Malnutrition In the Community



Managing Adult Malnutrition in the Community

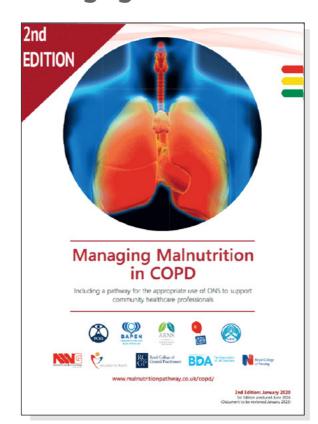


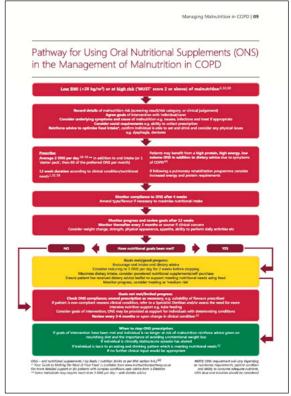


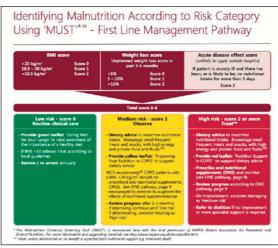




Managing Malnutrition in COPD







Resources available for healthcare professionals on www.malnutritionpathway.co.uk

Managing Malnutrition In the Community



Factsheets

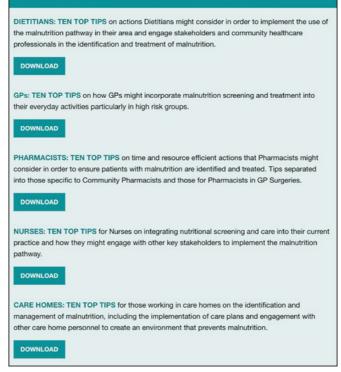








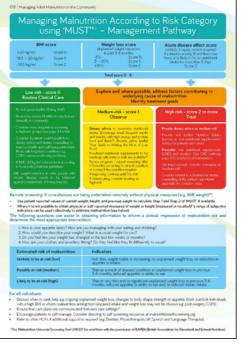
Top Ten Tips

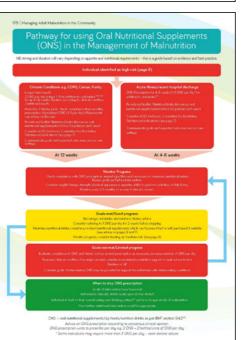


TIP SHEETS FOR HEALTHCARE PROFESSIONALS: IMPLEMENTING THE PATHWAY



Posters





Newsletters





Resources available for healthcare professionals on www.malnutritionpathway.co.uk

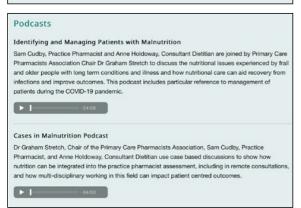
Managing Malnutrition In the Community



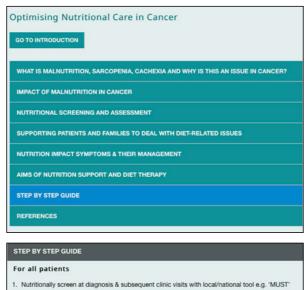
Online interactive resources: Videos, webinars & podcasts

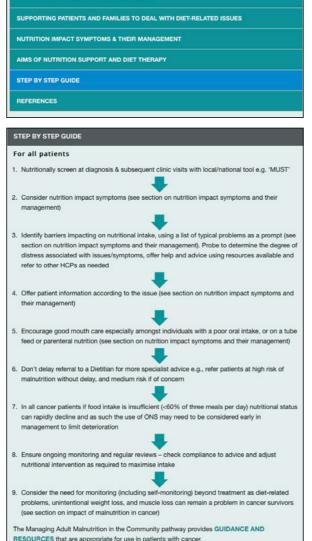




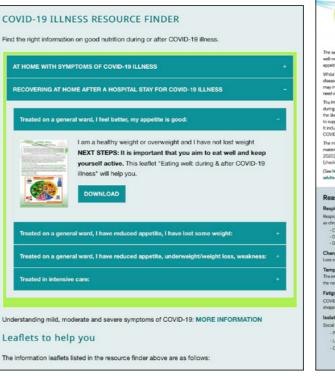


Cancer

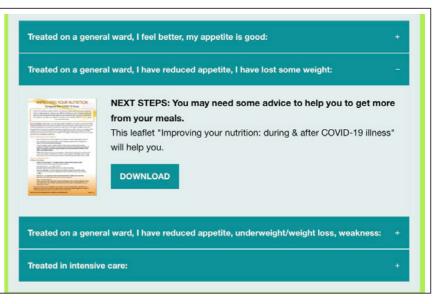




Covid-19



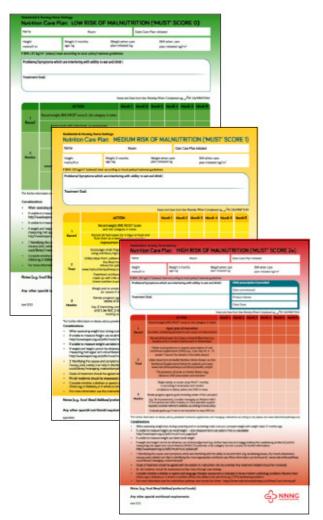




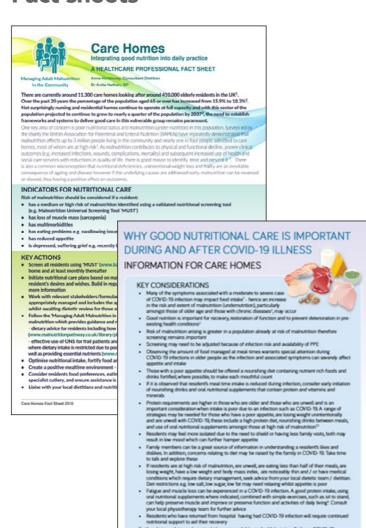


Resources available for care homes on www.malnutritionpathway.co.uk

Care plans

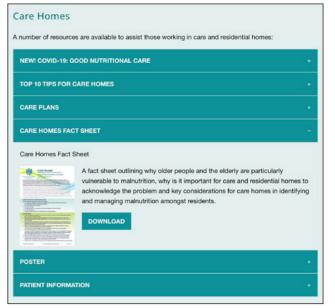


Fact sheets



Ten top tips





Resources available for patients and carers on www.malnutritionpathway.co.uk

Managing Malnutrition In the Community



Leaflets for those at risk of malnutrition



Advice on adding protein to the diet



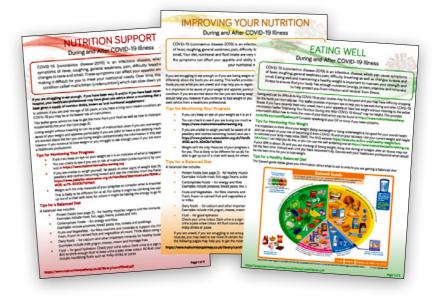
Leaflets offering advice on nutrition impact symptoms







Disease specific resources: Covid-19



Disease specific resources: COPD





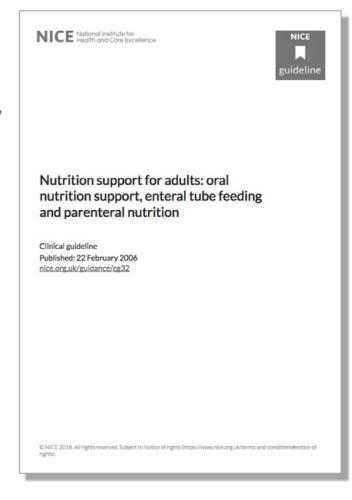
Guidelines and Reports

A Selection of National Guidance and Key Reports on Identifying and Treating Malnutrition



National Institute for Health and Care Excellence (NICE) CG32 (2006) (updated 2017)

- Recommends widespread screening to identify those at risk of malnutrition
- The need for training and systems to manage appropriately when identified and prevent where possible
- Oral nutrition support to manage malnutrition (A-grade evidence)
- 2 common oral nutrition support strategies are:
 - dietary advice to increase nutrient content of diet
 - oral nutritional supplements (ONS)
- Last update August 2017



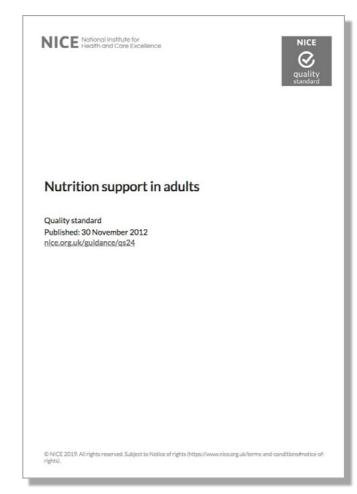
Reference:

National Institute for Health and Care Excellence (NICE). Nutrition support in adults: oral nutrition support, enteral tube feeding and parenteral nutrition. Clinical Guideline 32. 2006 (updated 2017).



National Institute for Health and Care Excellence (NICE) QS24 (2012)

- People in care settings are screened for the risk of malnutrition using a validated screening tool
- People who are malnourished or at risk of malnutrition have a management care plan that aims to meet their nutritional requirements
- All people who are screened for the risk of malnutrition have their screening results and nutrition support goals (if applicable) documented and communicated in writing within and between settings



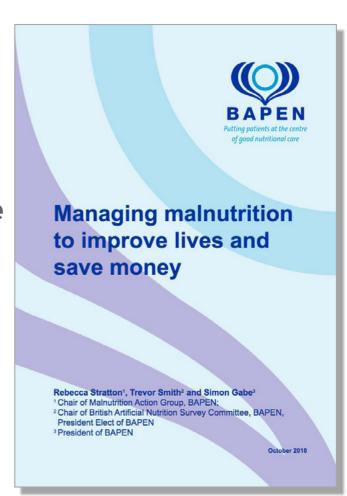
Reference:



BAPEN report

Managing malnutrition to improve lives and save money (2018)

- This report outlines:
 - the importance of identifying and appropriately managing malnutrition
 - the cost savings that can be achieved by appropriate management of malnutrition





All Party Parliamentary Group (APPG) on Hidden Hunger & Malnutrition in the elderly (2018)

- Highlights that malnourished individuals are more vulnerable to accidents, ill-health and take longer to heal
- Calls for the Government to take action to tackle malnutrition in the growing elderly population as, in doing so, savings exceeding £15bn a year to the NHS and social care could be realised



feedingbritain.org/wp-content/uploads/2022/02/Hidden-Hunger-and-Malnutrition-in-the-Elderly-APPG.pdf



Guideline on Clinical Nutrition in Geriatrics (2019)

ESPEN provides 82 evidence-based recommendations for nutritional care in older people

Key messages include:

- screen all older people with a validated tool to identify malnutrition early
- carry out nutritional interventions as part of a multimodal, multidisciplinary team to support adequate dietary intake, maintain/increase body weight and improve functional and clinical outcomes (B grade)
- for older people who are malnourished or at risk of malnutrition:
 - offer ONS in patients with chronic conditions when dietary counselling/ food fortification are not sufficient to increase intake and reach goals (GPP)
 - offer ONS after hospital discharge to improve intake, weight and reduce functional decline (these should provide at least 400kcal and ≥30 g protein per day) (A grade)
 - ONS should be continued for at least one month with benefit and compliance assessed (GPP)

www.espen.org/files/ESPEN-Guidelines/ESPEN_guideline_on_clincal_nutrition_and_hydration_in_geriatrics.pdf

Reference:

Volkert D et al. ESPEN guideline on clinical nutrition and hydration in geriatrics. Clin Nutr. 2019; 38 (1): 10-47

NB: A grade = at least one meta-analysis, systematic review, or randomized controlled trial (RCT) that is rated as 1++, and directly applicable to the target population; a body of evidence that consists principally of studies rated as 1+, directly applicable to the target population and demonstrates overall consistency of results

B grade = A body of evidence that includes studies rated as 2++, is directly applicable to the target population; or a body of evidence including studies rated 2+, directly applicable to the target population and demonstrating overall consistency of results; or extrapolated evidence from studies rated as 1++ or 1+

GPP = Good Practice Points/expert consensus: Recommended best practice based on the clinical experience of the guideline development group

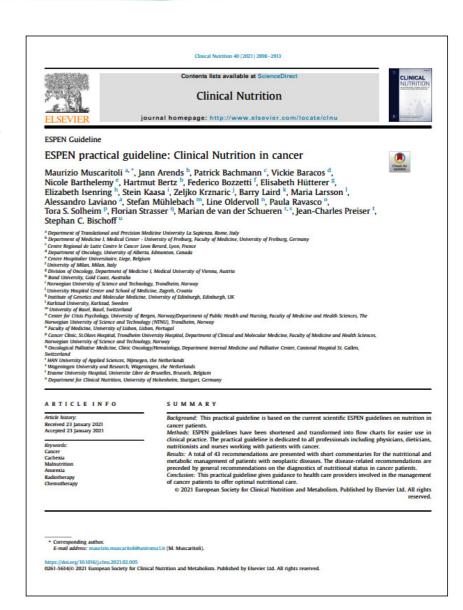






ESPEN Practical Guideline: Clinical Nutrition in Cancer (2021)

- Practical guideline based on the current scientific ESPEN guidelines on nutrition in cancer patients
- Shortened guidance is transformed into flow charts for easier use in clinical practice
- Includes a total of 43 recommendations with short commentaries for the nutritional and metabolic management of patients with neoplastic diseases
- Includes:
 - general concepts of treatment relevant to all cancer patients
 - -interventions relevant to specific patient categories





A Guide to Managing Adult Malnutrition in the Community (2021)

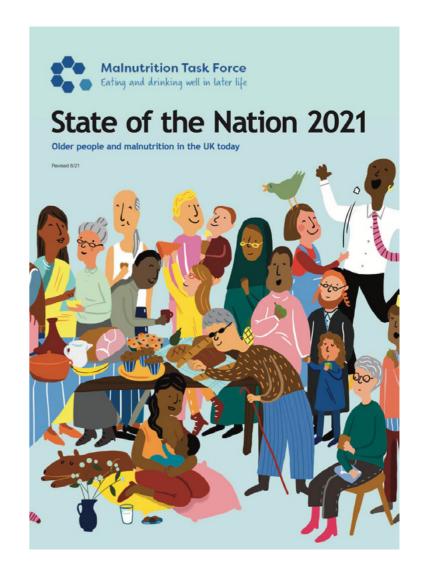


- Includes an overview of the cost and consequences of malnutrition in the UK
- Provides advice on identification, assessment and management of malnutrition
- Incorporates the 'MUST' screening tool
- Includes a pathway for using Oral Nutritional Supplements (ONS) in the management of malnutrition in patients categorised as high-risk
- 1st Edition 2012 2nd Edition 2017 3rd Edition 2021
- Supported by a website which includes patient and carer resources, specific advice for healthcare professional groups, fact sheets and interactive resources: www.malnutritionpathway.co.uk



Malnutrition Task Force State of the Nation report (2021)

- Highlights the scale of malnutrition in later life
- Emphasises the detrimental effect that malnutrition can have on an older person's independence, health and wellbeing
- Looks at the subsequent health costs of increased hospital admissions and long-term health problems



www.malnutritiontaskforce.org.uk/sites/default/files/2021-10/State%20of%20 the%20Nation%202020%20F%20revise.pdf



NIHR & BAPEN The cost of malnutrition in England and potential cost savings from nutritional intervention (2015)

This report evaluates the enormous clinical and economic burden of malnutrition that continues to exist in hospital and community settings in both adults and children

- It reveals how this growing economic burden continues to be under-recognised and under-treated to the detriment of individuals' health, social care services and society as whole
- It includes a budget impact analysis to implement CG32/QS24
 www.bapen.org.uk/pdfs/economic-report-short.pdf





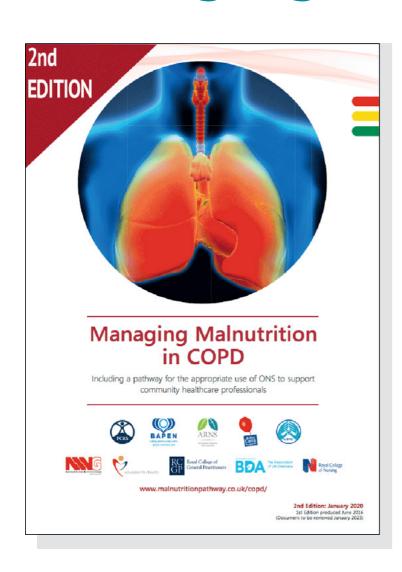
Royal College of Physicians Supporting People who have Eating and Drinking Difficulties (2021)

- Guidance for medical and healthcare professionals, particularly those involved in caring for people who have eating and drinking difficulties
- Aims to support healthcare professionals to work together with patients, their families and carers to make decisions around nutrition and hydration that are in the best interests of the patient
- Covers:
 - factors affecting our ability to eat and drink
 - strategies to support oral nutrition and hydration
 - techniques of clinically assisted nutrition and hydration
 - the legal and ethical framework to guide decisions about giving and withholding treatment, emphasising the two key concepts of capacity and best interests

www.rcplondon.ac.uk/projects/outputs/supporting-people-who-have-eating-and-drinking-difficulties



Managing Malnutrition in COPD (2020)



- Includes an overview of the issues of malnutrition and COPD
- Provides advice on identification and management of malnutrition in patients with COPD
- Includes a pathway for using Oral Nutritional Supplements (ONS) in the management of malnutrition in patients with COPD who are categorised as high-risk of malnutrition
- Supported by a website which includes patient leaflets, posters and fact sheets www.malnutritionpathway.co.uk/copd



Care Quality Commission (CQC) Health and Social Care Act 2008 (Regulated Activities)

Regulations 2014: Regulation 14

Purpose: to make sure that people who use services have adequate nutrition and hydration to sustain life and good health and reduce the risks of malnutrition and dehydration while they receive care and treatment

- To meet this regulation, providers must make sure that (where it is part of their role) people have enough to eat and drink to meet their nutrition and hydration needs and receive the support they need to do so.
- People must have their nutritional needs assessed and food must be provided to meet those needs including the use of prescribed nutritional supplements, tube feeding and/or parenteral nutrition
- People's preferences, religious and cultural backgrounds must be taken into account