2014 Recommendations by Chapter	SoE	SoR	2019 Recommendations and GPSs by Chapter	SoE	SoR
Nutrition and Pressure Injury Prevention and Treatment			Nutrition in Pressure Injury Prevention & Treatment		
Nutrition Screening Refer individuals screened to be at risk of malnutrition and individuals with an existing pressure ulcer to a registered dietitian or an interprofessional nutrition team for a comprehensive nutrition assessment.	C		4.1: Conduct nutritional screening for individuals at risk for pressure injury	B1	††
Nutrition Screening 2. Use a valid and reliable nutrition screening tool to determine nutritional risk.	C	4	Concept included in Implementation Considerations unde	r Recomme	endation 4.1
Nutrition Assessment Assess the weight status of each individual to determine weight history and identify significant weight loss (1) 5% in 30 days or 1) 10% in 180 days)	C	Ð	4.2: Conduct a comprehensive nutrition assessment for adults at risk of a pressure injury who are screened to be at risk of malnutrition and for all adults with a pressure injury.	B2	↑ ↑
Nutrition Assessment 2. Assess the individual's ability to eat independently.	C	66	Concept included in Implementation Considerations unde	r Recomme	endation 4.2
Nutrition Assessment 3. Assess the adequacy of total nutrient intake (i.e., food, fluid, oral supplements and enteral/parenteral feeds).	C	64	Concept included in Implementation Considerations unde	r Recomme	endation 4.2
Care Planning 1. Develop an individualized nutrition care plan for individuals with or at risk of a pressure ulcer.	C	8	4.3: Develop and implement an individualized nutrition care plan for individuals with, or at risk of, a pressure injury who are malnourished or who are at risk of malnutrition	B2	↑↑
Care Planning 2. Follow relevant and evidence-based guidelines on nutrition and hydration for individuals who exhibit nutritional risk and who are at risk of pressure ulcers or have an existing pressure ulcer.	C	£	Concept included in Implementation Considerations unde	r Recomme	endation 4.3
Energy Intake 1. Provide individualized energy intake based on underlying medical condition and level of activity.	В	6	4.4: Optimize energy intake for individuals at risk of pressure injuries who are malnourished or at risk of malnutrition.	B2	Ţ
Energy Intake 2. Provide 30 to 35 kcalories/kg body weight for adults at risk of a pressure ulcer who are assessed as being at risk of malnutrition.	C		N/A		
Energy Intake 3. Provide 30 to 35 kcalories/kg body weight for adults with a pressure ulcer who are assessed as being at risk of malnutrition.	В	66	4.6: Provide 30 to 35 kcalories/kg body weight/day for adults with a pressure injury who are malnourished or at risk of malnutrition	B1	Î
Energy Intake Adjust energy intake based on weight change or level of obesity. Adults who are underweight or who have had significant unintended weight loss may need additional energy intake.	C		Concept included in Implementation Considerations unde	r Recomme	endation 4.5
Energy Intake 5. Revise and modify/liberalize dietary restrictions when limitations result in decreased food and fluid intake. These adjustments should be made in consultation with a medical professional and managed by a registered dietitian whenever possible.	C	1	Concept included in Implementation Considerations unde	r Recomme	endation 4.5

2014 Recommendations by Chapter	SoE		2019 Recommendations and GPSs by Chapter	SoE	SoR
Energy Intake 6. Offer fortified foods and/or high calorie, high protein oral nutritional supplements between meals if nutritional requirements cannot be achieved by dietary intake.	В	66	4.9: Offer high calorie, high protein nutritional supplements in addition to the usual diet for adults with a pressure injury who are malnourished or at risk for malnutrition, if nutritional requirements cannot be achieved by normal dietary intake. Concept included in Implementation Considerations under Recommendation 4.7	B1	††
Energy Intake 7. Consider enteral or parenteral nutritional support when oral intake is inadequate. This must be consistent with the individual's goals.	C	Ð	4.11: Discuss the benefits and harms of enteral or parenteral feeding to support overall health in light of preferences and goals of care with individuals at risk of pressure injury who cannot meet their nutritional requirements through oral intake despite nutritional interventions.	GPS	
			4.12: Discuss the benefits and harms of enteral or parenteral feeding to support pressure injury treatment in light of preferences and goals of care for individuals with pressure injury who cannot meet their nutritional requirements through oral intake despite nutritional interventions.	B1	Î
Protein Intake 1. Provide adequate protein for positive nitrogen balance for adults assessed to be at risk of a pressure ulcer.	C	1	4.5: Adjust protein intake for individuals at risk of pressure injuries who are malnourished or at risk of malnutrition.	GPS	
Protein Intake 2.Offer 1.25 to 1.5 grams protein/kg body weight daily for adults at risk of a pressure ulcer who are assessed to be at risk of malnutrition when compatible with goals of care, and reassess as condition changes	C	\$	N/A; rationale discussed under Recommendation 4.4		
Protein Intake Provide adequate protein for positive nitrogen balance for adults with a pressure ulcer.	В	1	Concept included in Implementation Considerations under	r Recomme	ndation 4.
Protein Intake 4. Offer 1.25 to 1.5 grams protein/kg body weight daily for adults with an existing pressure ulcer who are assessed to be at risk of malnutrition when compatible with goals of care, and reassess as condition changes.	В	4	4.7: Provide 1.25 to 1.5 g/kg body weight/day for adults with a pressure ulcer/injury who are malnourished or at risk of malnutrition.	B1	↑ ↑
Protein Intake 5.Offer high calorie, high protein nutritional supplements in addition to the usual diet to adults with nutritional risk and pressure ulcer risk, if nutritional equirements cannot be achieved by dietary intake.	A		4.8: Offer high calorie, high protein fortified foods and/or nutritional supplements in addition to the usual diet for adults who are at risk of developing a pressure injury and who are also malnourished or at risk of malnutrition, if nutritional requirements cannot be achieved by normal dietary intake	C	Î
Protein Intake 6. Assess renal function to ensure that high levels of protein are appropriate for the individual.	C	66	Concept included in Implementation Considerations under	r Recomme	ndation 4.
Protein Intake 7. Supplement with high protein, arginine, and micronutrients for adults with a pressure ulcer Category/Stage III or IV or multiple pressure ulcers when nutritional requirements cannot be met with traditional high calorie and protein supplements.	В	Ð	4.10: Provide high-calorie, high-protein, arginine, zinc, and antioxidant oral nutritional supplements or enteral formula for adults with a Category/Stage 2 or greater pressure injury who are malnourished or at risk for malnutrition.	B1	Î

2014 Recommendations by Chapter	SoE	SoR	2019 Recommendations and GPSs by Chapter	SoE	SoR
Hydration 1. Provide and encourage adequate daily fluid intake for hydration for an individual assessed to be at risk of or with a pressure ulcer. This must be consistent with the individual's comorbid conditions and goals.	C		4.13: Provide and encourage adequate water intake for hydration for an individual with or at risk of a pressure injury, when compatible with goals of care and clinical condition.	GPS	
Hydration Monitor individuals for signs and symptoms of dehydration including change in weight, skin turgor, urine output, elevated serum sodium, and/or calculated serum osmolality.	C	Ð	Concept included in Implementation Considerations under (GPS 4.13	
Hydration 3. Provide additional fluid for individuals with dehydration, elevated temperature, vomiting, profuse sweating, diarrhea, or heavily exuding wounds.	C	69	Concept included in Implementation Considerations under (GPS 4.13	
Vitamins and Minerals Provide/encourage individuals assessed to be at risk of pressure ulcers to consume a balanced diet that includes good sources of vitamins and minerals.	C	66	Concept included in Implementation Considerations under F	Recommen	dation 4.5
Vitamins and Minerals 2. Provide/encourage an individual assessed to be at risk of a pressure ulcer to take vitamin and mineral supplements when dietary intake is poor or deficiencies are confirmed or suspected.	C	5	Concept included in Implementation Considerations under F	Recommen	dation 4.5
Vitamins and Minerals 3. Provide/encourage an individual with a pressure ulcer to consume a balanced diet that includes good sources of vitamins and minerals.	B		Concept included in Implementation Considerations under F	Recommen	dation 4.5
Vitamins and Minerals 4. Provide/encourage an individual with a pressure ulcer to take vitamin and mineral supplements when dietary intake is poor or deficiencies are confirmed or suspected.	В	6	Concept included in Implementation Considerations under F	Recommen	dation 4.5
Risk Factors and Risk Assessment			Risk Factors and Risk Assessment		
Risk Factor Assessment Consider the impact of the following factors on an individual's risk of pressure ulcer development: • perfusion and oxygenation;	C		Nutritional Indicators of Risk Factors for Pressure Injuries 1.10 Consider the impact of impaired nutritional status on the risk of pressure injuries	C	Î
 poor nutritional status; and increased skin moisture. 			1.15 Consider the potential impact of laboratory blood test results on the risk of pressure injuries	C	\longleftrightarrow

(continues)

2014 Recommendations by Chapter	SoE	SoR	2019 Recommendations and GPSs by Chapter	SoE	SoR
Assessment of Pressure Ulcers and Monitoring Healing			N/A		
Assessment of the Individual with a Pressure Ulcer Nutrition (part of comprehensive initial assessment)	C	66			
Assessment of the Individual with a Pressure Ulcer Reassess the individual, the pressure ulcer, and the plan of care if the ulcer does not show signs of	C	€}	-		
healing as expected despite appropriate local wound care, pressure redistribution, and nutrition.			-		
Assessment and Treatment of Infection and Biofilms			-		
Assessment of High-Risk Individuals with Pressure Ulcers 3. Have a high index of suspicion for local wound infection in individuals with: • diabetes mellitus,	В	4			
• protein-calorie malnutrition					
Treatment 1. Optimize the host response by: • evaluating nutritional status and addressing deficits;	C	99	13.7 Optimize potential for healing by: Evaluating the individual's nutritional status and addressing deficits	GPS	
Special Populations: Bariatric (Obese)			Special Populations		
Assessing the Bariatric Individual 3. Refer bariatric individuals to a registered dietitian or an interprofessional nutrition team for a comprehensive nutrition assessment and weight management plan.	C	99	Individuals with obesity are addressed in Chapter on Spec nutrition recommendations or GPSs in this chapter.	ial Popula	tions. No
Pressure Ulcer Care	C	66	-		
1. Provide adequate nutrition to support healing.					
Special Populations: Critically III Individuals			Special Populations		
Nutrition Management 1. Due to insufficient evidence to support or refute the use of specific additional nutrition interventions in critical care patients, specific additional nutrition interventions are not recommended for routine use inthis population.	C	\$	Critically ill individuals are addressed in chapter on Specia nutrition recommendations or GPSs in this chapter.	ıl Populat	ons. No
Palliative Care			Special Populations		
Nutrition and Hydration 1. Strive to maintain adequate nutrition and hydration compatible with the individual's condition and wishes. Adequate nutritional support is often not attainable when the individual is unable or refuses to eat, based on certain disease states.	C		Individuals in palliative care are addressed in chapter on Sp nutrition recommendations or GPSs in this chapter.	ecial Popu	ılations. No
Nutrition and Hydration 2. Offer nutritional protein supplements when ulcer healing is the goal.	C	66	-		
Special Populations: Pediatric Individuals			2019 GPS Specific to Neonates and Children are in the Nu	trition Ch	apter
Pressure Ulcer Risk Assessment 1. Perform an age appropriate risk assessment that considers risk factors of specific concern for pediatric and neonate populations, including: • nutritional indicators	В	99	Pediatric individuals are addressed in chapter on Special Popu GPSs in this chapter.		

2014 Recommendations by Chapter	SoE	SoR	2019 Recommendations and GPSs by Chapter Sc	E	SoR
Nutritional Management 1. Conduct an age appropriate nutritional assessment for neonates and children.	C	69	4.14: Conduct age appropriate nutritional screening and assessment for neonates and children at risk of pressure ulcers/injuries.	GPS	
Nutritional Management 1.1. Regularly reassess the nutritional requirements of critically ill neonates and children who have, or are at risk of, a pressure ulcer.	C	666	Concept included in Implementation Considerations under GPS	4.14.	
Nutritional Management 2. Develop an individualized nutrition care plan for neonates and children with, or at risk of, a pressure ulcer.	C	Ð	Concept included in Implementation Considerations under GPS	4.14.	
Nutritional Management 3. Ensure all neonates and children maintain adequate hydration.	C	DD)	Concept included in Implementation Considerations under GPS	4.15.	
Nutritional Management 4. When oral intake is inadequate, consider age appropriate nutritional supplements for neonates and children who are at risk of a pressure ulcer and are identified as being at risk of malnutrition.	C	5	4.15: For neonates and children with or at risk GPS of pressure ulcer/injury who have inadequate oral intake, consider fortified foods, age appropriate nutritional supplements, or enteral or parenteral nutritional support.		
Nutritional Management 5. When oral intake is inadequate, consider age appropriate nutritional supplements for neonates and children who have an existing pressure ulcer and are identified as being at risk of malnutrition.	C	6	Concept included in Implementation Considerations under GPS	4.15.	
Nutritional Management 6. When oral intake is inadequate, consider enteral or parenteral nutritional support in neonates and children who are at risk of a pressure ulcer or have an existing pressure ulcer and who are also identified as being at risk of malnutrition.	C	Ð	Concept included in Implementation Considerations under GPS	4.15.	
Health Professional Education			Health Professional Education		
 5. Consider incorporating the following components into the pressure ulcer prevention and treatment educational/training program: nutrition (one of many components) 	C	66	Nutrition is mentioned as a component in pressure injury educa content in a chapter on Health Professional Education. No nutr recommendations or GPSs in this chapter.		program
Patient Consumers and Their Caregivers			Quality of Life, Self-Care and Education		
Recommendations for Individuals With, or at High Risk of Pressure Ulcers 2.1. Seek information on how to prevent and treat pressure ulcers, including information on positioning in bed and chair, support surfaces, activity, and nutrition.	C	٢	Nutrition is mentioned as a component in pressure injury educa content in a chapter on Quality of Life, Self-Care and Education recommendations or GPSs in this chapter.		
2.6. Consider your overall health status and how prevention and treatment of pressure ulcers contribute to it (e.g. activity and mobility, nutrition, and other diseases or injuries that affect your overall wellbeing)	C				

Abbreviations: GPS, good practice statement; N/A: not specifically addressed in guideline Adapted from Litchford MD. Nutrition and Pressure Injuries CPE course. Greensboro, NC: CASE Software & Books; 2020. Used with permission.