

## **F325**

*(Rev.)*

### **§483.25(i) Nutrition**

**Based on a resident's comprehensive assessment, the facility must ensure that a resident--**

**§483.25(i)(1) Maintains acceptable parameters of nutritional status, such as body weight and protein levels, unless the resident's clinical condition demonstrates that this is not possible; and**

**§483.25(i)(2) Receives a therapeutic diet when there is a nutritional problem.**

#### ***INTENT: §483.25(i) Nutritional Status***

*The intent of this requirement is that the resident maintains, to the extent possible, acceptable parameters of nutritional status and that the facility:*

- Provides nutritional care and services to each resident, consistent with the resident's comprehensive assessment;*
- Recognizes, evaluates, and addresses the needs of every resident, including but not limited to, the resident at risk or already experiencing impaired nutrition; and*
- Provides a therapeutic diet that takes into account the resident's clinical condition, and preferences, when there is a nutritional indication.*

#### ***DEFINITIONS***

*Definitions are provided to clarify clinical terms related to nutritional status.*

- "Acceptable parameters of nutritional status" refers to factors that reflect that an individual's nutritional status is adequate, relative to his/her overall condition and prognosis.*
- "Albumin" is the body's major plasma protein, essential for maintaining osmotic pressure and also serving as a transport protein.*
- "Anemia" refers to a condition of low hemoglobin concentration caused by decreased production, increased loss, or destruction of red blood cells.*
- "Anorexia" refers to loss of appetite, including loss of interest in seeking and consuming food.*

- *“Artificial nutrition” refers to nutrition that is provided through routes other than the usual oral route, typically by placing a tube directly into the stomach, the intestine or a vein.*
- *“Avoidable/Unavoidable” failure to maintain acceptable parameters of nutritional status:*
  - *“Avoidable” means that the resident did not maintain acceptable parameters of nutritional status and that the facility did not do one or more of the following: evaluate the resident’s clinical condition and nutritional risk factors; define and implement interventions that are consistent with resident needs, resident goals and recognized standards of practice; monitor and evaluate the impact of the interventions; or revise the interventions as appropriate.*
  - *“Unavoidable” means that the resident did not maintain acceptable parameters of nutritional status even though the facility had evaluated the resident’s clinical condition and nutritional risk factors; defined and implemented interventions that are consistent with resident needs, goals and recognized standards of practice; monitored and evaluated the impact of the interventions; and revised the approaches as appropriate.*
- *“Clinically significant” refers to effects, results, or consequences that materially affect or are likely to affect an individual’s physical, mental, or psychosocial well-being either positively by preventing, stabilizing, or improving a condition or reducing a risk, or negatively by exacerbating, causing, or contributing to a symptom, illness, or decline in status.*
- *“Current standards of practice” refers to approaches to care, procedures, techniques, treatments, etc., that are based on research or expert consensus and that are contained in current manuals, textbooks, or publications, or that are accepted, adopted or promulgated by recognized professional organizations or national accrediting bodies.*
- *“Dietary supplements” refers to nutrients (e.g., vitamins, minerals, amino acids, and herbs) that are added to a person’s diet when they are missing or not consumed in enough quantity.*
- *“Insidious weight loss” refers to a gradual, unintended, progressive weight loss over time.*
- *“Nutritional Supplements” refers to products that are used to complement a resident’s dietary needs (e.g., total parenteral products, enteral products, and meal replacement products).*
- *“Parameters of nutritional status” refers to factors (e.g., weight, food/fluid intake, and pertinent laboratory values) that reflect the resident’s nutritional status.*
- *“Qualified dietitian” refers to one who is qualified based upon either registration by the Commission on Dietetic Registration of the American Dietetic Association or as permitted by State law, on the basis of education, training, or*

*experience in identification of dietary needs, planning, and implementation of dietary programs.*

- *“Therapeutic diet” refers to a diet ordered by a health care practitioner as part of the treatment for a disease or clinical condition, to eliminate, decrease, or increase certain substances in the diet (e.g., sodium or potassium), or to provide mechanically altered food when indicated.*
- *“Usual body weight” refers to the resident’s usual weight through adult life or a stable weight over time.*

## **OVERVIEW**

*Nutrients are essential for many critical metabolic processes, the maintenance and repair of cells and organs, and energy to support daily functioning. Therefore, it is important to maintain adequate nutritional status, to the extent possible.*

*Other key factors in addition to intake can influence weight and nutritional status. For example, the body may not absorb or use nutrients effectively. Low weight may also pertain to: age-related loss of muscle mass, strength, and function (sarcopenia),<sup>1</sup> wasting (cachexia) that occurs as a consequence of illness and inflammatory processes, or disease causing changes in mental status.<sup>2</sup> Changes in the ability to taste food may accompany later life.<sup>3</sup>*

*Impaired nutritional status is not an expected part of normal aging. It may be associated with an increased risk of mortality and other negative outcomes such as impairment of anticipated wound healing, decline in function, fluid and electrolyte imbalance/dehydration, and unplanned weight change.<sup>4</sup> The early identification of residents with, or at risk for, impaired nutrition, may allow the interdisciplinary team to develop and implement interventions to stabilize or improve nutritional status before additional complications arise. However, since intake is not the only factor that affects nutritional status, nutrition-related interventions only sometimes improve markers of nutritional status such as body weight and laboratory results.<sup>5</sup> While they can often be stabilized or improved, nutritional deficits and imbalances may take time to improve or they may not be fully correctable in some individuals.*

*A systematic approach can help staff’s efforts to optimize a resident’s nutritional status. This process includes identifying and assessing each resident’s nutritional status and risk factors, evaluating/analyzing the assessment information, developing and consistently implementing pertinent approaches, and monitoring the effectiveness of interventions and revising them as necessary.*

## **ASSESSMENT**

*According to the American Dietetic Association, “Nutritional assessment is a systematic process of obtaining, verifying and interpreting data in order to make decisions about the nature and cause of nutrition-related problems.”<sup>6,7</sup> The assessment also provides*

*information that helps to define meaningful interventions to address any nutrition-related problems.*

*The interdisciplinary team clarifies nutritional issues, needs, and goals in the context of the resident's overall condition, by using observation and gathering and considering information relevant to each resident's eating and nutritional status. Pertinent sources of such information may include interview of the resident or resident representative, and review of information (e.g., past history of eating patterns and weight and a summary of any recent hospitalizations) from other sources.*

*The facility identifies key individuals who should participate in the assessment of nutritional status and related causes and consequences. For example, nursing staff provide details about the resident's nutritional intake. Health care practitioners (e.g., physicians and nurse practitioners) help define the nature of the problem (e.g., whether the resident has anorexia or sarcopenia), identify causes of anorexia and weight loss, tailor interventions to the resident's specific causes and situation, and monitor the continued relevance of those interventions. Qualified dietitians help identify nutritional risk factors and recommend nutritional interventions, based on each resident's medical condition, needs, desires, and goals. Consultant pharmacists can help the staff and practitioners identify medications that affect nutrition by altering taste or causing dry mouth, lethargy, nausea, or confusion.*

*Although the Resident Assessment Instrument (RAI) is the only assessment tool specifically required, a more in-depth nutritional assessment may be needed to identify the nature and causes of impaired nutrition and nutrition-related risks. Completion of the RAI does not remove the facility's responsibility to document a more detailed resident assessment, where applicable. The in-depth nutritional assessment may utilize existing information from sources, such as the RAI, assessments from other disciplines, observation, and resident and family interviews. The assessment will identify usual body weight, a history of reduced appetite or progressive weight loss or gain prior to admission, medical conditions such as a cerebrovascular accident, and events such as recent surgery, which may have affected a resident's nutritional status and risks. The in-depth nutritional assessment may also include the following information:*

**General Appearance** - *General appearance includes a description of the resident's overall appearance (e.g., robust, thin, obese, or cachectic) and other findings (e.g., level of consciousness, responsiveness, affect, oral health and dentition, ability to use the hands and arms, and the condition of hair, nails, and skin) that may affect or reflect nutritional status.*

**Height** - *Measuring a resident's height provides information that is relevant (in conjunction with his or her weight) to his/her nutritional status. There are various ways to estimate height if standing height cannot be readily measured.<sup>8</sup> A protocol for determining height helps to ensure that it will be measured as consistently as possible.*

**Weight** - *Weight can be a useful indicator of nutritional status, when evaluated within the context of the individual's personal history and overall condition. When weighing a*

*resident, adjustment for amputations or prostheses may be indicated. Significant unintended changes in weight (loss or gain) or insidious weight loss may indicate a nutritional problem.*

*Current standards of practice recommend weighing the resident on admission or readmission (to establish a baseline weight), weekly for the first 4 weeks after admission and at least monthly thereafter to help identify and document trends such as insidious weight loss. Weighing may also be pertinent if there is a significant change in condition, food intake has declined and persisted (e.g., for more than a week), or there is other evidence of altered nutritional status or fluid and electrolyte imbalance. In some cases, weight monitoring is not indicated (e.g., the individual is terminally ill and requests only comfort care).*

*Obtaining accurate weights for each resident may be aided by having staff follow a consistent approach to weighing and by using an appropriately calibrated and functioning scale (e.g., wheelchair scale or bed scale). Since weight varies throughout the day, a consistent process and technique (e.g., weighing the resident wearing a similar type of clothing, at approximately the same time of the day, using the same scale, either consistently wearing or not wearing orthotics or prostheses, and verifying scale accuracy) can help make weight comparisons more reliable.*

*A system to verify weights can help to ensure accuracy. Weights obtained in different settings may differ substantially. For example, the last weight obtained in the hospital may differ markedly from the initial weight upon admission to the facility, and is not to be used in lieu of actually weighing the resident. Approaches to improving the accuracy of weights may include reweighing the resident and recording the current weight, reviewing approaches to obtaining and verifying weight, and modifying those approaches as needed.*

*Examples of other factors that may impact weight and the significance of apparent weight changes include:*

- *The resident's usual weight through adult life;*
- *Current medical conditions;*
- *Calorie restricted diet;*
- *Recent changes in dietary intake; and*
- *Edema.*

***Food and fluid intake*** - *The nutritional assessment includes an estimate of calorie, nutrient and fluid needs, and whether intake is adequate to meet those needs. It also includes information such as the route (oral, enteral or parenteral) of intake, any special food formulation, meal and snack patterns (including the time of supplement or medication consumption in relation to the meals), dislikes, and preferences (including ethnic foods and form of foods such as finger foods); meal/snack patterns, and preferred portion sizes.*

*Fluid loss or retention can cause short term weight change. Much of a resident's daily fluid intake comes from meals; therefore, when a resident has decreased appetite, it can result in fluid/electrolyte imbalance. Abrupt weight changes, change in food intake, or altered level of consciousness are some of the clinical manifestations of fluid and electrolyte imbalance. Laboratory tests (e.g., electrolytes, BUN, creatinine and serum osmolality) can help greatly to identify, manage, and monitor fluid and electrolyte status.<sup>9</sup>*

***Altered Nutrient intake, absorption, and utilization.*** *Poor intake, continuing or unabated hunger, or a change in the resident's usual intake that persists for multiple meals, may indicate an underlying problem or illness. Examples of causes include:*

- *The inability to consume meals provided (e.g., as a result of the form or consistency of food/fluid, cognitive or functional decline, arthritis-related impaired movement, neuropathic pain, or insufficient assistance);*
- *Insufficient availability of food and fluid (e.g., inadequate amount of food or fluid or inadequate tube feedings);*
- *Environmental factors affecting food intake or appetite (e.g., comfort and level of disruption in the dining environment);*
- *Adverse consequences related to medications; and*
- *Diseases and conditions such as cancer, diabetes mellitus, advanced or uncontrolled heart or lung disease, infection and fever, liver disease, hyperthyroidism, mood disorders, and repetitive movement disorders (e.g., wandering, pacing, or rocking).*

*The use of diuretics and other medications may cause weight loss that is not associated with nutritional issues, but can also cause fluid and electrolyte imbalance/dehydration that causes a loss of appetite and weight.*

*Various gastrointestinal disorders such as pancreatitis, gastritis, motility disorders, small bowel dysfunction, gall bladder disease, and liver dysfunction may affect digestion or absorption of food. Prolonged diarrhea or vomiting may increase nutritional requirements due to nutrient and fluid losses. Constipation or fecal impaction may affect appetite and excretion.*

*Pressure ulcers and some other wounds and other health impairments may also affect nutritional requirements. A hypermetabolic state results from an increased demand for energy and protein and may increase the risk of weight loss or under-nutrition. Examples of causes include advanced chronic obstructive pulmonary disease (COPD), pneumonia and other infections, cancer, hyperthyroidism, and fever.*

*Early identification of these factors, regardless of the presence of any associated weight changes, can help the facility choose appropriate interventions to minimize any subsequent complications.<sup>10</sup> Often, several of these factors affecting nutrition coexist.*

**Chewing abnormalities** - Many conditions of the mouth, teeth, and gums can affect the resident's ability to chew foods. For example, oral pain, dry mouth, gingivitis, periodontal disease, ill-fitting dentures, and broken, decayed or missing teeth can impair oral intake.

**Swallowing abnormalities** - Various direct and indirect causes can affect the resident's ability to swallow. These include but are not limited to stroke, pain, lethargy, confusion, dry mouth, and diseases of the oropharynx and esophagus. Swallowing ability may fluctuate from day to day or over time. In some individuals, aspiration pneumonia can complicate swallowing abnormalities.<sup>10</sup>

**NOTE:** Swallowing studies are not always required in order to assess eating and swallowing; however, when they are indicated, it is essential to interpret any such tests in the proper context. A clinical evaluation of swallowing may be used to evaluate average daily oral function.<sup>11</sup>

**Functional ability** - The ability to eat independently may be helped by addressing factors that impair function or by providing appropriate individual assistance, supervision, or assistive devices. Conditions affecting functional ability to eat and drink include impaired upper extremity motor coordination and strength or reduced range of motion (any of which may be hampered by stroke, Parkinson's disease, multiple sclerosis, tardive dyskinesia, or other neuromuscular disorders or by sensory limitations (e.g., blindness)). Cognitive impairment may also affect a resident's ability to use a fork, or to eat, chew, and swallow effectively.

**Medications** - Medications and nutritional supplements may affect, or be affected by, the intake or utilization of nutrients (e.g., liquid phenytoin taken with tube feedings or grapefruit juice taken with some antihyperlipidemics).<sup>12</sup> Medications from almost every pharmaceutical class can affect nutritional status, directly or indirectly; for example, by causing or exacerbating anorexia, lethargy, confusion, nausea, constipation, impairing taste, or altering gastrointestinal function. Inhaled or ingested medications can affect food intake by causing pharyngitis, dry mouth, esophagitis, or gastritis. To the extent possible, consideration of medication/nutrient interactions and adverse consequences should be individualized.

**Goals and prognosis** - Goals and prognosis refer to a resident's projected personal and clinical outcomes. These are influenced by the resident's preferences (e.g., willingness to participate in weight management interventions or desire for nutritional support at end-of-life), anticipated course of a resident's overall condition and progression of a disease (e.g., end-stage, terminal, or other irreversible conditions affecting food intake, nutritional status, and weight goals), and by the resident's willingness and capacity to permit additional diagnostic testing, monitoring and treatment.

### ***Laboratory/Diagnostic Evaluation***

***Laboratory tests are sometimes useful to help identify underlying causes of impaired nutrition or when the clinical assessment alone is not enough to define someone's nutritional status.***

*Abnormal laboratory values may, but do not necessarily, imply that treatable clinical problems exist or that interventions are needed. Confirmation is generally desirable through additional clinical evaluation and evidence such as food intake, underlying medical condition, etc.<sup>13</sup> For example, serum albumin may help establish prognosis but is only sometimes helpful in identifying impaired nutrition or guiding interventions. Serum albumin may drop significantly during an acute illness for reasons unrelated to nutrition; therefore, albumin may not improve, or may fall further, despite consumption of adequate amounts of calories and protein.*

*The decision to order laboratory tests, and the interpretation of subsequent results, is best done in light of a resident's overall condition and prognosis.<sup>14</sup> Before ordering laboratory tests it is appropriate for the health care practitioner to determine and indicate whether the tests would potentially change the resident's diagnosis, management, outcome or quality of life or otherwise add to what is already known. Although laboratory tests such as albumin and pre-albumin may help in some cases in deciding to initiate nutritional interventions, there is no evidence that they are useful for the serial follow-up of undernourished individuals.<sup>14</sup>*

***NOTE:*** *If laboratory tests were done prior to or after admission to the facility and the test results are abnormal, the physician or other licensed health care practitioner, in collaboration with the interdisciplinary team, reviews the information and determines whether to intervene or order additional diagnostic testing.*

### ***ANALYSIS***

*Analysis refers to using the information from multiple sources to include, but not limited to, the Resident Assessment Instrument (RAI), and additional nutritional assessments as indicated to determine a resident's nutritional status and develop an individualized care plan.*

*Resultant conclusions may include, but are not limited to: a target range for weight based on the individual's overall condition, goals, prognosis, usual body weight, etc; approximate calorie, protein, and other nutrient needs; whether and to what extent weight stabilization or improvement can be anticipated; and whether altered weight or nutritional status could be related to an underlying medical condition (e.g., fluid and electrolyte imbalance, medication-related anorexia, or an infection).*

*Suggested parameters for evaluating significance of unplanned and undesired weight loss are:*



<i>Interval</i>	<i>Significant Loss</i>	<i>Severe Loss</i>
<i>1 month</i>	<i>5%</i>	<i>Greater than 5%</i>
<i>3 months</i>	<i>7.5%</i>	<i>Greater than 7.5%</i>
<i>6 months</i>	<i>10%</i>	<i>Greater than 10%</i>

*The following formula determines percentage of weight loss:*

$$\% \text{ of body weight loss} = (\text{usual weight} - \text{actual weight}) / (\text{usual weight}) \times 100$$

*Based on analysis of relevant information, the facility identifies a clinically pertinent basis for any conclusions that a resident could not attain or maintain acceptable parameters of nutritional status.*

### ***Specification of the Nutritional Concern***

*A clear statement of the nature of the nutritional concern provides the basis for resident-specific interventions. Many residents have multiple coexisting issues. For example:*

- Poor food and fluid intake: The resident has poor intake, is not consuming specific food groups, and has increased nutritional needs specific to clinical conditions. The resident also has lost significant weight over a few days while taking medications that may affect appetite.*
- Specific clinical conditions: The resident has an infection with fever and is in a hyper-metabolic state associated with an increased demand for energy and protein. The resident also has a neuromuscular disorder affecting the ability to eat or swallow, and has impaired cognition affecting attention and appetite.*

### ***CARE PLANNING AND INTERVENTIONS***

*The management of nutrition in nursing homes involves various medical, psychosocial, ethical, and functional considerations. Based on information generated by the comprehensive assessment and any pertinent additional nutritional assessment, the interdisciplinary team (including a physician or other licensed health care practitioner and the resident or the resident's representative) develops an individualized care plan. The care plan addresses, to the extent possible, identified causes of impaired nutritional status, reflects the resident's goals and choices, and identifies resident-specific interventions and a time frame and parameters for monitoring. The care plan is updated as needed; e.g., as conditions change, goals are met, interventions are determined to be ineffective, or as specific treatable causes of nutrition-related problems (anorexia, impaired chewing, etc.) are identified. If nutritional goals are not achieved, different or additional pertinent approaches are considered and implemented as indicated. Pertinent documentation can help identify the basis (e.g., current resident status, comorbid conditions, prognosis, and resident choices) for nutrition-related goals and interventions.*

### ***Resident Choice***

*A resident or resident representative has the right to make informed choices about accepting or declining care and treatment. The facility can help the resident exercise those rights effectively by discussing with the resident (or the resident's representative) the resident's condition, treatment options (including related risks and benefits, and expected outcomes), personal preferences, and any potential consequences of accepting or refusing treatment. If the resident declines specific interventions, the facility must address the resident's concerns and offer relevant alternatives.*

*The facility's care reflects a resident's choices, either as offered by the resident directly or via a valid advance directive, or based on a decision made by the resident's surrogate or representative in accordance with state law. The presence of care instructions, such as an advance directive, declining some interventions does not necessarily imply that other support and care was declined or is not pertinent. When preferences are not specified beforehand, decisions related to the possible provision of supplemental or artificial nutrition should be made in conjunction with the resident or resident's representative in accordance with state law, taking into account relevant considerations such as condition, prognosis, and a resident's known values and choices.*

***NOTE:*** *The presence of a "Do Not Resuscitate" (DNR) order does not by itself indicate that the resident is declining other appropriate treatment and services. It only indicates that the resident has chosen not to be resuscitated if cardiopulmonary functions cease.*

### ***Meeting Nutritional Needs***

*The scope of interventions to meet residents' nutritional needs depends on many factors, including, but not limited to a resident's current food intake, the degree of nutritional impairment or risk, resident choices, the response to initial interventions, and the feasibility of addressing underlying conditions and causes. Basic energy needs can generally be met by providing a diet that includes enough calories to stabilize current body weight. Adjustments may be necessary when factors exist such as those discussed within this document. For example, limits on dairy products may be desirable in individuals with lactose intolerance, and additional amounts of nutrients and calories may be needed for individuals with hypermetabolic states (e.g., fever, hyperthyroidism, acute wounds, or heart or lung disease), to try to keep the body from using lean body mass for energy and wound repair.*

### ***Diet Liberalization***

*Research suggests that a liberalized diet can enhance the quality of life and nutritional status of older adults in long-term care facilities.<sup>15</sup> Thus, it is often beneficial to minimize restrictions, consistent with a resident's condition, prognosis, and choices before using supplementation. It may also be helpful to provide the residents their food preferences, before using supplementation. This pertains to newly developed meal plans as well as to the review of existing diets.*

*Dietary restrictions, therapeutic (e.g., low fat or sodium restricted) diets, and mechanically altered diets may help in select situations. At other times, they may impair adequate nutrition and lead to further decline in nutritional status, especially in already undernourished or at-risk individuals. When a resident is not eating well or is losing weight, the interdisciplinary team may temporarily abate dietary restrictions and liberalize the diet to improve the resident's food intake to try to stabilize their weight.*

*Sometimes, a resident or resident's representative decides to decline medically relevant dietary restrictions. In such circumstances, the resident, facility and practitioner collaborate to identify pertinent alternatives.*

### ***Weight-Related Interventions***

*For many residents (including overweight individuals), the resident's usual body weight prior to decline or admission is the most relevant basis for weight-related interventions. Basing interventions on ideal body weight can be misleading, because ideal body weight has not been definitively established for the frail elderly and those with chronic illnesses and disabilities.*

*The care plan includes nutritional interventions that address underlying risks and causes of weight loss (e.g., the need for eating assistance, reduction of medication side effects, and additional food that the resident will eat) or unplanned weight gain. It is important that the care plan address insidious, abrupt, or sudden decline in intake or insidious weight loss that does not trigger review of the Nutritional Status Resident Assessment Protocol (RAP); for example, by intensifying observation of intake and eating patterns, monitoring for complications related to poor intake, and seeking underlying cause(s).*

*Many risk factors and some causes of weight loss can be addressed, at least partially, while others may not be modifiable. In some cases, certain interventions may not be indicated or appropriate, based on individual goals and prognosis.*

*Weight stability, rather than weight gain, may sometimes be the most pertinent short-term or long-term objective for the nutritionally at-risk or compromised resident. After an acute illness or as part of an advanced or end-stage medical condition, the resident's weight and other nutritional parameters may not return to previous levels and may stabilize at a lower level, sometimes indefinitely.*

***NOTE:*** *There should be a documented clinical basis for any conclusion that nutritional status or significant weight change are unlikely to stabilize or improve (e.g., physician's documentation as to why weight loss is medically unavoidable).*

***Weight Gain.*** *Unplanned weight gain in a resident may have significant health implications. Rapid or abrupt increases in weight may also indicate significant fluid excess. After assessing the resident for the cause of the weight gain, care plan interventions may include dietary alterations based on the resident's medical condition, choices, and needs. If the resident exercises his/her right to choose and declines dietary restrictions, the facility discusses with the resident the benefits of maintaining a lower*

*weight and the possible consequences of not doing so. A health care practitioner can help inform the resident about the rationale for the recommended plan of care.*

### ***Environmental Factors***

*Appetite is often enhanced by the appealing aroma, flavor, form, and appearance of food. Resident-specific facility practices that may help improve intake include providing a pleasant dining experience (e.g., flexible dining environments, styles and schedules), providing meals that are palatable, attractive and nutritious (e.g., prepare food with seasonings, serve food at proper temperatures, etc.), and making sure that the environment where residents eat (e.g., dining room and/or resident's room) is conducive to dining.*

### ***Anorexia***

*The facility, in consultation with the practitioner, identifies and addresses treatable causes of anorexia. For example, the practitioner may consider adjusting or stopping medications that may have caused the resident to have dyspepsia or become lethargic, constipated, or confused, and reevaluate the resident to determine whether the effects of the medications are the reasons for the anorexia and subsequent weight loss.*

*Where psychosis or a mood disorder such as depression has been identified as a cause of anorexia or weight change, treatment of the underlying disorder (based on an appropriate diagnostic evaluation) may improve appetite. However, other coexisting conditions or factors instead of, or in addition to, depression, may cause or contribute to anorexia. In addition, the use of antidepressants is not generally considered to be an adequate substitute for appropriately investigating and addressing modifiable risk factors or other underlying causes of anorexia and weight loss.*

### ***Wound Healing***

*Healing of acute (e.g., postoperative) and chronic (e.g., pressure ulcer) wounds requires enough calories and protein so that the body will not use lean body mass (muscle) for energy and wound repair. However, to date, no routinely beneficial wound-specific nutritional measures have been identified.<sup>16</sup>*

*Care plan interventions for a resident who has a wound or is at risk of developing a wound may include providing enough calories to maintain a stable weight and a daily protein intake of approximately 1.2-1.5 gm protein/Kg body weight. The recommended daily protein intake may be adjusted according to clinical need and standards of clinical practice for situations in which more calories and protein are indicated. Sometimes, it may be most appropriate to try to encourage the resident to eat as many calories and as much protein as tolerated, because he/she does not desire or cannot tolerate more aggressive nutritional interventions.*

*Additional strategies for wound healing may be considered when indicated. A multivitamin/mineral supplement may be prescribed, however current evidence does not*

*definitively support any specific dietary supplementation (e.g., Vitamin C and Zinc) unless the resident has a specific vitamin or mineral deficiency.*

### ***Functional Factors***

*Based on the comprehensive interdisciplinary assessment, the facility provides the necessary assistance to allow the resident to eat and drink adequately. A resident with functional impairment may need help with eating. Examples of such interventions may include, but are not limited to: ensuring that sensory devices such as eyeglasses, dentures, and hearing aids are in place; providing personal hygiene before and after meals, properly positioning the individual, providing eating assistance where needed, and providing the assistive devices/utensils identified in the assessment.<sup>17</sup>*

### ***Chewing and Swallowing***

*In deciding whether and how to intervene for chewing and swallowing abnormalities, it is essential to take a holistic approach and look beyond the symptoms to the underlying causes. Pertinent interventions may help address the resident's eating, chewing, and swallowing problems and optimize comfort and enjoyment of meals. Examples of such interventions may include providing proper positioning for eating; participation in a restorative eating program; use of assistive devices/utensils; and prompt assistance (e.g., supervision, cueing, hand-over-hand) during every meal/snack where assistance is needed.*

*Treating medical conditions (e.g., gastroesophageal reflux disease and oral and dental problems) that can impair swallowing or cause coughing may improve a chewing or swallowing problem. Examples of other relevant interventions include adjusting medications that cause dry mouth or coughing, and providing liquids to moisten the mouth of someone with impaired saliva production.*

*Excessive modification of food and fluid consistency may unnecessarily decrease quality of life and impair nutritional status by affecting appetite and reducing intake.<sup>18</sup> Many factors influence whether a swallowing abnormality eventually results in clinically significant complications such as aspiration pneumonia.<sup>19</sup> Identification of a swallowing abnormality alone does not necessarily warrant dietary restrictions or food texture modifications. No interventions consistently prevent aspiration and no tests consistently predict who will develop aspiration pneumonia.<sup>20</sup> For example, tube feeding may be associated with aspiration, and is not necessarily a desirable alternative to allowing oral intake, even if some swallowing abnormalities are present.<sup>21,22</sup>*

*Decisions to downgrade or alter the consistency of diets must include the resident (or the resident's representative), consider ethical issues (such as the right to decline treatment), and be based on a careful review of the resident's overall condition, correctable underlying causes of the risk or problem, the benefits and risks of a more liberalized diet, and the resident's preferences to accept risks in favor of a more liberalized food intake.*

### ***Medications***

*When a resident is eating poorly or losing weight, the immediate need to stabilize weight and improve appetite may supersede long-term medical goals for which medications were previously ordered. It may be appropriate to change, stop, or reduce the doses of medications (e.g., antiepileptics, cholinesterase inhibitors, or iron supplements) that are associated either with anorexia or with symptoms such as lethargy or confusion that can cause or exacerbate weight loss.<sup>23</sup> The medical practitioner in collaboration with the staff and the pharmacist reviews and adjusts medications as appropriate. (For additional Guidance related to medications, refer to 42 CFR 483.25(l)(1), F329, Unnecessary Drugs.)*

### ***Food Fortification and Supplementation***

*With any nutrition program, improving intake via wholesome foods is generally preferable to adding nutritional supplements. However, if the resident is not able to eat recommended portions at meal times or to consume between-meal snacks/nourishments, or if he/she prefers the nutritional supplement, supplements may be used to try to increase caloric and nutrient intake. Since some research suggests that caloric intake may increase if nutritional supplements are consumed between meals, and may be less effective when given with meals, the use of nutritional supplements is generally recommended between meals instead of with meals.<sup>24</sup> Taking a nutritional supplement during medication administration may also increase caloric intake without reducing the resident's appetite at mealtime.*

*Examples of interventions to improve food/fluid intake include:*

- Fortification of foods (e.g., adding protein, fat, and/or carbohydrate to foods such as hot cereal, mashed potatoes, casseroles, and desserts);*
- Offering smaller, more frequent meals;*
- Providing between-meal snacks or nourishments; or*
- Increasing the portion sizes of a resident's favorite foods and meals; and providing nutritional supplements.*

### ***Maintaining Fluid and Electrolyte Balance***

*If a resident has poor intake or abnormal laboratory values related to fluid/electrolyte balance, the care plan addresses the potential for hydration deficits.<sup>25</sup> Examples of interventions include adjusting or discontinuing medications that affect fluid balance or appetite; offering a variety of fluids (water, fruit juice, milk, etc.) between meals, and encouraging and assisting residents as appropriate. Serving (except to those with fluid restrictions) additional beverages with meals will also help increase fluid intake. Examples of ways to encourage fluid intake include maintaining filled water pitchers and*

*drinking cups easily accessible to residents (except those with fluid restrictions) and offering alternate fluid sources such as popsicles, gelatin, and ice cream.*

### ***Use of Appetite Stimulants***

*To date, the evidence is limited about benefits from appetite stimulants. While their use may be appropriate in specific circumstances, they are not a substitute for appropriate investigation and management of potentially modifiable risk factors and underlying causes of anorexia and weight loss.<sup>26</sup>*

### ***Feeding Tubes***

*Feeding tubes have potential benefits and complications, depending on an individual's underlying medical conditions and prognosis, and the causes of his or her anorexia or weight loss. Possible feeding tube use, especially for residents with advanced dementia or at the end-of-life, should be considered carefully. The resident's values and choices regarding artificial nutrition should be identified and considered. The health care practitioner should be involved in reviewing whether potentially modifiable causes of anorexia, weight loss, and eating or swallowing abnormalities have been considered and addressed, to the extent possible. For residents with dementia, studies have shown that tube feeding does not extend life, prevent aspiration pneumonia, improve function or limit suffering.<sup>27</sup>*

### ***End-of-Life***

*Resident choices and clinical indications affect decisions about the use of a feeding tube at the end-of-life. A resident at the end of life may have an advance directive addressing his or her treatment goals (or the resident's surrogate or representative, in accordance with State law, may have made a decision).*

*Decreased appetite and altered hydration are common at the end of life, and do not require interventions other than for comfort. Multiple organ system failure may impair the body's capacity to accept or digest food or to utilize nutrients. Thus, the inability to maintain acceptable parameters of nutritional status for someone who is at the end-of-life or in the terminal stages of an illness may be an expected outcome.*

*Care and services, including comfort measures, are provided based on the resident's choices and a pertinent nutritional assessment. The facility can help to support intake, to the extent desired and feasible, based on the information from the assessment and on considering the resident's choices.*

*If individualized approaches for end-of-life care are provided in accordance with the care plan and the resident's choices, then the failure to maintain acceptable parameters of nutritional status may be an expected outcome for residents with terminal conditions.*

## **MONITORING**

*Monitoring after care plan implementation is necessary for residents with impaired or at-risk nutritional status, as well as for those whose current nutritional status is stable. Monitoring includes a review of the resident-specific factors identified as part of the comprehensive resident assessment and any supplemental nutrition assessment.*

*Identifying and reporting information about the resident's nutritional status and related issues such as level of consciousness and function are obtainable through various staff observations. For example, nursing assistants may be most familiar with the resident's habits and preferences, symptoms such as pain or discomfort, fluctuating appetite, and nausea or other gastrointestinal symptoms. More intensive and frequent monitoring may be indicated for residents with impaired or at-risk nutritional status than for those who are currently nutritionally stable. Such monitoring may include, but is not limited to, observing for and recognizing emergence of new risk factors (e.g., acute medical illness, pressure ulcers, or fever), evaluating consumption of between-meal snacks and nutritional supplements, and reviewing the continued relevance of any current nutritional interventions (e.g., therapeutic diets, tube feeding orders or nutritional supplements).*

*Evaluating the care plan to determine if current interventions are being followed and if they are effective in attaining identified nutritional and weight goals allows the facility to make necessary revisions. Subsequent adjustment of interventions will depend on, but are not limited to, progress, underlying causes, overall condition and prognosis. The resident's current nutritional and medical status helps the staff determine the frequency of reweighing the resident. For example, reweighing a resident within a week of initiating or substantially revising nutritional interventions to address anorexia or weight loss assists in monitoring responses to interventions. Monitoring residents who experience unplanned weight loss, including reweighing at least weekly until weight is stable or increasing and then routinely thereafter, helps clarify his/her responses to interventions. However in some residents, subsequent weight monitoring may not be clinically indicated (e.g., palliative care resident).*

*Nutrition-related goals may need to be modified, depending on factors such as further clarification of underlying causes (e.g., when evidence suggests that unmodifiable factors may prevent improved or stabilized nutritional status) and responses to current interventions. In some cases, the current plan of care may need to be modified and new or additional interventions implemented. The facility explains any decisions to continue current interventions when the resident's nutritional status continues to decline. For example, because the goal of care for someone with a terminal, advanced, or irreversible condition has changed to palliation.*



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## ***INVESTIGATIVE PROTOCOL***

### ***NUTRITIONAL STATUS***

#### ***Objectives***

- *To determine if the facility has practices in place to maintain acceptable parameters of nutritional status for each resident based on his/her comprehensive assessment.*
- *To determine if failure to maintain acceptable parameters of nutritional status for each resident was avoidable or unavoidable (the resident's clinical condition demonstrates that maintaining acceptable parameters is not possible).*
- *To determine if the resident has received a therapeutic diet when there is a nutritional indication.*

#### ***Use***

*Use this protocol for each sampled resident to determine through interview, observation and record review whether the facility is in compliance with the regulation, specifically:*

- *To determine if residents maintained acceptable parameters of nutritional status, relative to his/her comprehensive assessment;*
- *For a resident who did not maintain acceptable parameters of nutritional status, to determine if the facility assessed and intervened (e.g., therapeutic diet) to enable the resident to maintain acceptable parameters of nutritional status, unless the resident's clinical condition demonstrated that this was not possible; and*
- *For a resident who is at nutritional risk, to determine if the facility has identified and addressed risk factors for, and causes of, impaired nutritional status, or demonstrated why they could not or should not do so.*

#### ***Procedures***

*Briefly review the RAI, care plan, and any additional relevant nutritional assessment information that may be available to identify facility evaluations, conclusions, and interventions to guide subsequent observations.*

***NOTE:*** *For the purposes of this investigation, conduct record reviews prior to meal observations to note the resident's therapeutic diet, food texture and level of required assistance with meals.*

## **1. Observation**

*Observe residents during the initial tour of the facility and throughout the survey process. To facilitate the investigation, gather appropriate information (e.g., dining style, nourishment list, schedules, and policies).*

*During observations, surveyors may see non-traditional or alternate approaches to dining services such as buffet, restaurant style or family style dining. These alternate dining approaches may include more choices in meal options, preparations, dining areas and meal times. Such alternate dining approaches are acceptable and encouraged.*

*While conducting the resident dining observations:*

- Observe at least two meals during the survey;*
- Observe a resident's physical appearance for signs that might indicate altered nutritional status (e.g., cachectic) and note any signs of dental and oral problems;*
- Observe the delivery of care (such as assistance and encouragement during dining) to determine if interventions are consistent with the care plan;*
- Observe the serving of food as planned with attention to portion sizes, preferences, nutritional supplements, prescribed therapeutic diets and between-meal snacks to determine if the interventions identified in the care plan were implemented;*
- Follow up and note differences between the care plan and interventions and*
- Determine if staff responded appropriately to the resident's needs (e.g., for assistance, positioning, and supervision).*

## **2. Interview**

*Interview the resident, family or resident's representative to identify:*

- Whether staff are responsive to the resident's eating abilities and support needs, including the provision of adaptive equipment and personal assistance with meals as indicated;*
- Whether the resident's food and dining preferences are addressed to the extent possible, e.g., whether the resident is offered substitutions or choices at meal times as appropriate and in accordance with his/her preferences;*
- Whether pertinent nutritional interventions, such as snacks, frequent meals, and calorie-dense foods, are provided; and*
- If the resident refused needed therapeutic approaches, whether treatment options, related risks and benefits, expected outcomes and possible consequences were*

*discussed with the resident or resident's representative, and whether pertinent alternatives or other interventions were offered.*

*Interview interdisciplinary team members on various shifts (e.g., certified nursing assistant, registered dietitian, dietary supervisor/manager, charge nurse, social worker, occupational therapist, attending physician, medical director, etc.) to determine, how:*

- *Food and fluid intake, and eating ability and weight (and changes to any of these) are monitored and reported;*
- *Nutrition interventions, such as snacks, frequent meals, and calorie-dense foods are provided to prevent or address impaired nutritional status (e.g., unplanned weight changes);*
- *Nutrition-related goals in the care plan are established, implemented, and monitored periodically;*
- *Care plans are modified when indicated to stabilize or improve nutritional status (e.g., reduction in medications, additional assistance with eating, therapeutic diet orders); and*
- *A health care practitioner is involved in evaluating and addressing underlying causes of nutritional risks and impairment (e.g., review of medications or underlying medical causes).*

*If the interventions defined, or the care provided, appear to be inconsistent with current standards of practice, interview one or more physicians or other licensed health care practitioners who can provide information about the resident's nutritional risks and needs. Examples include, but are not limited to:*

- *The rationale for chosen interventions;*
- *How staff evaluated the effectiveness of current interventions;*
- *How staff managed the interventions;*
- *How the interdisciplinary team decided to maintain or change interventions; and*
- *Rationale for decisions not to intervene to address identified needs.*

### **3. Record Review**

*Review the resident's medical record to determine how the facility:*

- *Has evaluated and analyzed nutritional status;*
- *Has identified residents who are at nutritional risk;*
- *Has investigated and identified causes of anorexia and impaired nutritional status;*
- *Has identified and implemented relevant interventions to try to stabilize or improve nutritional status;*

## Advance Copy

- *Has identified residents' triggered Resident Assessment Instrument (RAI) for nutritional status;*
- *Has evaluated the effectiveness of the interventions; and*
- *Has monitored and modified approaches as indicated.*

### **Documentation**

*Documentation of findings and conclusions related to nutritional status may be found in various locations in the medical record, including but not limited to interdisciplinary progress notes, nutrition progress notes, the RAP summary, care plan, or resident care conference notes. Review of the documentation will help the surveyor determine how the facility developed approaches to meet each resident's nutritional needs. This information will help the surveyor determine whether a resident's decline or failure to improve his/her nutritional status was avoidable or unavoidable.*

### **Assessment and Monitoring**

*Review information including the RAI, diet and medication orders, activities of daily living worksheets, and nursing, dietitian, rehabilitation, and social service notes. Determine if the resident's weight and nutritional status were assessed in the context of his/her overall condition and prognosis, if nutritional requirements and risk factors were identified, and if causes of the resident's nutritional risks or impairment were sought.*

*Determine:*

- *Whether the facility identified a resident's desirable weight range, and identified weight loss/gain;*
- *Whether the facility identified the significance of any weight changes, and what interventions were needed;*
- *Whether there have been significant changes in the resident's overall intake;*
- *Whether the reasons for the change were identified and if appropriate interventions were implemented;*
- *Whether the facility has calculated nutritional needs (i.e., calories, protein and fluid requirements) and identified risk factors for malnutrition;*
- *Whether the facility met those needs and if not, why;*
- *Whether the resident's weight stabilized or improved as anticipated;*
- *Whether a need for a therapeutic diet was identified and implemented, consistent with the current standards of practice;*
- *Whether the facility indicated the basis for dietary restrictions;*
- *Whether the reasons for dietary changes were identified and appropriate interventions implemented;*

## Advance Copy

- *Whether the facility accommodated resident choice, individual food preferences, allergies, food intolerances, and fluid restrictions and if the resident was encouraged to make choices;*
- *Whether the facility identified and addressed underlying medical and functional causes (e.g., oral cavity lesions, mouth pain, decayed teeth, poorly fitting dentures, refusal to wear dentures, gastroesophageal reflux, or dysphagia) of any chewing or swallowing difficulties to the extent possible;*
- *Whether the facility identified residents requiring any type of assistance to eat and drink (e.g., assistive devices/utensils, cues, hand-over-hand, and extensive assistance), and provided such assistance;*
- *Whether the facility has identified residents receiving any medications that are known to cause clinically significant medication/nutrient interactions or that may affect appetite, and determined risk/benefit;*
- *Whether the facility identified and addressed to the extent possible medical illnesses and psychiatric disorders that may affect overall intake, nutrient utilization, and weight stability;*
- *Whether the facility reviewed existing abnormal laboratory test results and either implemented interventions, if appropriate, or provided a clinical justification for not intervening (see note in Laboratory/Diagnostic Evaluation);*
- *Whether the resident's current nutritional status is either at or improving towards goals established by the care team; and*
- *Whether alternate interventions were identified when nutritional status is not improving or clinical justification is provided as to why current interventions continue to be appropriate.*

### **Care Plan**

*Review the comprehensive care plan to determine if the plan is based on the comprehensive assessment and additional pertinent nutritional assessment information. Determine if the facility developed measurable objectives, approximate time frames, and specific interventions to try to maintain acceptable parameters of nutritional status, based on the resident's overall goals, choices, preferences, prognosis, conditions, assessed risks, and needs.*

*If care plan concerns, related to nutritional status are noted, interview staff responsible for care planning about the rationale for the current plan of care. If questions remain after reviewing available information including documentation in the medical record, interview the resident's attending physician or licensed health care practitioner or the facility's medical director (e.g., if the attending physician or licensed health care practitioner is unavailable) concerning the resident's plan of care.*

**NOTE:** *Because the physician may not be present in the facility and have immediate access to the resident's medical record when the surveyor has questions,*

*allow the facility the opportunity to first provide any pertinent information to the physician before responding to the interview.*

### ***Care Plan Revision***

*Determine if the staff has evaluated the effectiveness of the care plan related to nutritional status and made revisions if necessary based upon the following:*

- *Evaluation of nutrition-related outcomes;*
- *Identification of changes in the resident's condition that require revised goals and care approaches; and*
- *Involvement of the resident or the resident's representative in reviewing and updating the resident's care plan.*

### ***Review of Facility Practices***

*Related concerns may have been identified that would suggest the need for a review of facility practices. Examples of such activities may include a review of policies, staffing, and staff training, functional responsibilities, and interviews with staff (to include but not limited to management). If there is a pattern of residents who have not maintained acceptable parameters of nutritional status without adequate clinical justification, determine if quality assurance activities were initiated in order to evaluate the facility's approaches to nutrition and weight issues.*

### ***Interviews with Health Care Practitioners***

*If the interventions defined, or the care provided, appear to be inconsistent with recognized standards of practice, interview one or more health care practitioners as necessary (e.g., physician, hospice nurse, dietitian, charge nurse, director of nursing or medical director). Depending on the issue, ask:*

- *How it was determined that chosen interventions were appropriate;*
- *Why identified needs had no interventions;*
- *How changes in condition that may justify additional or different interventions were addressed; and*
- *How staff evaluated the effectiveness of current interventions.*

## ***DETERMINATION OF COMPLIANCE (Appendix P)***

### ***Synopsis of Regulation (Tag F325)***

*This regulation requires that, based on the resident's comprehensive assessment, the facility ensures that each resident maintains acceptable parameters of nutritional status*



*unless the resident's clinical condition demonstrates that this is not possible, and that to the extent possible the resident receives a therapeutic diet when indicated.*

### ***Criteria for Compliance***

*The facility is in compliance with 42 CFR 483.25(i), Tag F325, Nutrition, if staff have:*

- Assessed the resident's nutritional status and identified factors that put the resident at risk of not maintaining acceptable parameters of nutritional status;*
- Analyzed the assessment information to identify the medical conditions, causes and problems related to the resident's condition and needs;*
- Provided a therapeutic diet when indicated;*
- Defined and implemented interventions to maintain or improve nutritional status that are consistent with the resident's assessed needs, choices, goals, and recognized standards of practice, or provided clinical justification why they did not do so; and*
- Monitored and evaluated the resident's response to the interventions; and revised the approaches as appropriate, or justified the continuation of current approaches.*

*If not, failure to maintain acceptable parameters of nutritional status is avoidable, cite at Tag F325.*

### ***Noncompliance with Tag F325***

*After completing the investigative protocol, the survey team must analyze the data to determine whether noncompliance with the regulation exists. Noncompliance must be established before determining severity. A clear understanding of the facility's noncompliance with requirements (i.e., deficient practices) is essential to determine how the deficient practice(s) relates to any actual harm or potential for harm to the resident.*

*Noncompliance with Tag F325 may include (but is not limited to) one or more of the following, including failure to:*

- Accurately and consistently assess a resident's nutritional status on admission and as needed thereafter;*
- Identify a resident at nutritional risk and address risk factors for impaired nutritional status, to the extent possible;*
- Identify, implement, monitor, and modify interventions (as appropriate), consistent with the resident's assessed needs, choices, goals, and current standards of practice, to maintain acceptable parameters of nutritional status;*
- Notify the physician as appropriate in evaluating and managing causes of the resident's nutritional risks and impaired nutritional status;*

- *Identify and apply relevant approaches to maintain acceptable parameters of residents' nutritional status; and*
- *Provide a therapeutic diet when indicated.*

### ***Potential Tags for Additional Investigation***

*If noncompliance with 42 CFR 483.25(i) has been identified, the survey team may have determined during the investigation of Tag F325 that concerns may also be present with related process and/or structure requirements. Examples of related process and/or structure requirements related to noncompliance with Tag F325 may include the following:*

- *42 CFR 483.10, Tag F150, Resident Rights*
  - *Determine if the resident's preferences related to nutrition and food intake were considered.*
- *42 CFR §483.20(b)(1), Tag F272, Comprehensive Assessments*
  - *Determine if the facility assessed the resident's nutritional status and the factors that put the resident at risk for failure to maintain acceptable parameters of nutritional status.*
- *42 CFR §483.20(k), Tag F279, Comprehensive Care Plans*
  - *Determine if the facility developed a comprehensive care plan for each resident that includes measurable objectives, interventions/services, and time frames to meet the resident's needs as identified in the resident's assessment and provided a therapeutic diet when indicated.*
- *42 CFR §483.20(k)(2)(iii), Tag F280, Comprehensive Care Plan Revision*
  - *Determine if the care plan was periodically reviewed and revised as necessary by qualified persons after each assessment to maintain acceptable parameters of nutritional status and provided a therapeutic diet when indicated.*
- *42 CFR 483.20(k)(3)(ii), Tag F282, Provision of Care in Accordance with the Care Plan*
  - *Determine if the services provided or arranged by the facility were provided by qualified persons in accordance with the resident's written plan of care.*
- *42 CFR 483.25(j), Tag F327, Hydration*

- *Determine if the facility took measures to maintain proper hydration.*
- *42 CFR 483.25(k)(2), F328, Special Needs*
  - *Determine if the facility took measures to provide proper treatment and care for Parenteral and Enteral Fluids.*
- *42 CFR 483.25, Tag F329, Unnecessary Medicines*
  - *Determine if food and medication interactions are impacting the residents' dietary intake.*
- *42 CFR 483.30(a), Tag F353, Sufficient Staff*
  - *Determine if the facility had qualified staff in sufficient numbers to provide necessary care and services, including supervision, based upon the comprehensive assessment and care plan.*
- *42 CFR 483.35(a)(1)(2), F361, Dietary Services - Staffing*
  - *Determine if the facility employs or consults with a qualified dietitian. If not employed full-time, determine if the director of food service receives scheduled consultation from the dietitian concerning storage, preparation, distribution and service of food under sanitary conditions.*
- *42 CFR 483.35(b), F362, Standard Sufficient Staff*
  - *Determine if the facility employs sufficient support personnel competent to carry out the functions of the dietary service.*
- *42 CFR 483.40(a)(1)(2), Tag F385, Physician Services – Physician Supervision*
  - *Determine if a physician supervised the medical aspects of care of each resident, as indicated, as they relate to medical conditions that affect appetite and nutritional status.*
- *42 CFR 483.75(h)(2)(ii), Tag F500, Use of Outsider resources*
  - *If the facility does not employ a qualified dietitian, determine if the professional services of a dietitian are furnished by an outside resource, meet professional standards and principles, and are timely.*
- *42 CFR 483.75(i)(2)(i)(ii), Tag F501, Medical Director*
  - *Determine if the medical director helped develop and implement resident care policies as they relate to maintaining acceptable*

*parameters of nutritional status and the provision of therapeutic diets when indicated.*

- *42 CFR 483.75(o), Tag F520, Quality Assessment and Assurance*
  - *Related concerns may have been identified that would suggest the need for a review of facility practices. Such activities may involve a review of policies, staffing and staff training, contracts, etc. and interviews with management, for example. If there is a pattern of residents who have not maintained acceptable parameters of nutritional status without adequate clinical justification, determine if quality assurance activities address the facility's approaches to nutrition and weight issues.*

### ***DEFICIENCY CATEGORIZATION (Part IV, Appendix P)***

*Once the team has completed its investigation, analyzed the data, reviewed the regulatory requirements, and determined that noncompliance exists, the team must determine the severity of each deficiency, based on the resultant effect or potential for harm to the resident.*

*The key elements for severity determination for Tag F325 are as follows:*

1. *Presence of harm/negative outcome(s) or potential for negative outcomes due to a failure of care and services. Actual or potential harm/negative outcomes for F325 may include, but are not limited to:*
  - *Significant unplanned weight change;*
  - *Inadequate food/fluid intake;*
  - *Impairment of anticipated wound healing;*
  - *Failure to provide a therapeutic diet;*
  - *Functional decline; and*
  - *Fluid/electrolyte imbalance.*
2. *Degree of harm (actual or potential) related to the noncompliance. Identify how the facility practices caused, resulted in, allowed, or contributed to the actual or potential for harm:*
  - *If harm has occurred, determine if the harm is at the level of serious injury, impairment, death, compromise, or discomfort; and*
  - *If harm has not yet occurred, determine how likely the potential is for serious injury, impairment, death, compromise or discomfort to occur to the resident.*

- 3. The immediacy of correction required. Determine whether the noncompliance requires immediate correction in order to prevent serious injury, harm, impairment, or death to one or more residents.*

*The survey team must evaluate the harm or potential for harm based upon the following levels of severity for Tag F325. First, the team must rule out whether Severity Level 4, Immediate Jeopardy to a resident's health or safety exists by evaluating the deficient practice in relation to immediacy, culpability, and severity. (Follow the guidance in Appendix Q, "Guidelines for Determining Immediate Jeopardy".)*

#### ***Severity Level 4 Considerations: Immediate Jeopardy to Resident Health or Safety***

*Immediate Jeopardy is a situation in which the facility's noncompliance:*

- With one or more requirements of participation has caused/resulted in, or is likely to cause serious injury, harm, impairment, or death to a resident; and*
- Requires immediate correction, as the facility either created the situation or allowed the situation to continue by failing to implement preventative or corrective measures.*

***NOTE:*** *The death or transfer of a resident who was harmed as a result of facility practices does not remove a finding of immediate jeopardy. The facility is required to implement specific actions to correct the deficient practices which allowed or caused the immediate jeopardy.*

*Examples of avoidable actual or potential resident outcomes that demonstrate severity at Level 4 may include, but are not limited to:*

- Continued weight loss and functional decline resulting from ongoing, repeated systemic failure to assess and address a resident's nutritional status and needs, and implement pertinent interventions based on such an assessment;.*
- Development of life-threatening symptom(s), or the development or continuation of severely impaired nutritional status due to repeated failure to assist a resident who required assistance with meals;*
- Substantial and ongoing decline in food intake resulting in significant unplanned weight loss due to dietary restrictions or downgraded diet textures (e.g., mechanic soft, pureed) provided by the facility against the resident's expressed preferences; or*
- Evidence of cardiac dysrhythmias or other changes in medical condition due to hyperkalemia, resulting from the facility's failure to provide a potassium restricted therapeutic diet that was ordered.*

*If immediate jeopardy has been ruled out based upon the evidence, then evaluate whether actual harm that is not immediate jeopardy exists at Severity Level 3 or the potential for more than minimal harm at Level 2 exists.*

***Severity Level 3 Considerations: Actual Harm that is not Immediate Jeopardy***

*Level 3 indicates noncompliance that results in actual harm that is not immediate jeopardy. The negative outcome can include, but may not be limited to clinical compromise, decline, or the resident's inability to maintain and/or reach his/her highest practicable level of well-being.*

*Examples of avoidable actual resident outcomes that demonstrate severity at Level 3 may include, but are not limited to:*

- *Significant unplanned weight change and impaired wound healing (not attributable to an underlying medical condition) due to the facility's failure to revise and/or implement the care plan to address the resident's impaired ability to feed him/herself;*
- *Loss of weight from declining food and fluid intake due to the facility's failure to assess and address the resident's use of medications that affect appetite and food intake;*
- *Unplanned weight change and declining food and/or fluid intake due to the facility's failure to assess the relative benefits and risks of restricting or downgrading diet and food consistency or to obtain or accommodate resident preferences in accepting related risks;*
- *Decline in function related to poor food/fluid intake due to the facility's failure to accommodate documented resident food dislikes and provide appropriate substitutes or*
- *A resident with known celiac disease (damage to the small intestine related to gluten allergy) develops persistent gastrointestinal symptoms including weight loss, chronic diarrhea, and vomiting, due to the facility's failure to provide a gluten-free diet (i.e., one free of wheat, barley, and rye products) as prescribed by the physician.*

***NOTE:*** *If Severity Level 3 (actual harm that is not immediate jeopardy) has been ruled out based upon the evidence, then evaluate as to whether Severity Level 2 (no actual harm with the potential for more than minimal harm) exists.*

***Severity Level 2 Considerations: No Actual Harm with Potential for more than Minimal Harm that is not Immediate Jeopardy***

*Level 2 indicates noncompliance that results in a resident outcome of no more than minimal discomfort and/or has the potential to compromise the resident's ability to*

*maintain or reach his or her highest practicable level of well being. The potential exists for greater harm to occur if interventions are not provided.*

*For Level 2 severity, the resident was at risk for, or has experienced the presence of one or more outcome(s) (e.g., unplanned weight change, inadequate food/fluid intake, impairment of anticipated wound healing, functional decline, and/or fluid/electrolyte imbalance), due to the facility's failure to help the resident maintain acceptable parameters of nutritional status.*

*Examples of avoidable actual or potential resident outcomes that demonstrate severity at Level 2 may include, but are not limited to:*

- Failure to obtain accurate weight(s) and to verify weight(s) as needed;*
- Poor intake due to the facility's intermittent failure to provide required assistance with eating, however, the resident met identified weight goals;*
- Failure to provide additional nourishment when ordered for a resident, however, the resident did not experience significant weight loss; and*
- Failure to provide a prescribed sodium-restricted therapeutic diet (unless declined by the resident or the resident's representative or not followed by the resident); however, the resident did not experience medical complications such as heart failure related to sodium excess.*

***Severity Level 1: No Actual Harm with Potential for Minimal Harm***

*The failure of the facility to provide appropriate care and services to maintain acceptable parameters of nutritional status and minimize negative outcomes places residents at risk for more than minimal harm. Therefore, Severity Level 1 does not apply for this regulatory requirement.*