

## Personal and Skilled Care Outcomes (PESO) Data Set

### Description of Outcome Measures

The following table provides information about 70 outcome measures computed using the PESO data set. These measures were reported during Phase 3 of the New York State Outcome-Based Quality Improvement Demonstration, which was funded by the New York State Department of Health. For each measure, the data item(s) from which the measure is computed is identified and a description of the measure is provided. Note that these outcome measures were tested using a draft version of the PESO data set. Some items were subsequently revised.

Outcome Measure	PESO Item(s)	Outcome Measure Description
<b>END-RESULT OUTCOMES</b>		
<b>Positive Change in Health Status</b>		
Improvement in Grooming	PS480P	Performance measure identifying the percentage of patients who improved in grooming (with or without assistance) during the episode.
Improvement in Ability to Groom	PS480A	Percentage of patients who improved in the ability to groom independently during the episode.
Improvement in Bathing	PS490P	Performance measure identifying the percentage of patients who improved in bathing (with or without assistance) during the episode.
Improvement in Dressing Upper Body	PS520P	Performance measure identifying the percentage of patients who improved in the frequency with which the upper body was appropriately clothed (with or without assistance) during the episode.
Improvement in Dressing Lower Body	PS530P	Performance measure identifying the percentage of patients who improved in the frequency with which the lower body was appropriately clothed (with or without assistance) during the episode.
Improvement in Toileting Ability	PS540A	Percentage of patients who improved in the ability to toilet independently during the episode. Patients who had both a catheter for urinary elimination and an ostomy for bowel elimination at the beginning of the episode were excluded from this calculation.
Improvement in Transferring	PS550P	Performance measure identifying the percentage of patients who improved in transferring (with or without assistance) during the episode. Patients rated as bedbound at the beginning of the episode were included in this computation.
Improvement in Ambulation/ Locomotion	PS560P	Performance measure identifying the percentage of patients who improved in ambulation/locomotion (with or without assistance) during the episode.

<b>Outcome Measure</b>	<b>PESO Item(s)</b>	<b>Outcome Measure Description</b>
Increased Independence in Mobility	PS550A, PS560A, PS570	Composite measure reflecting improvement in ability to independently transfer, ambulate/locomote, and move in bed. The percentage of patients who became more independent in these activities during the episode is presented.
Improvement in Feeding/Eating	PS580P	Performance measure identifying the percentage of patients who improved in feeding/eating (with or without assistance) during the episode.
Improvement in Laundry	PS500P	Performance measure identifying the percentage of patients who improved in the frequency with which clothing and linens were well laundered (with or without assistance) during the episode.
Improvement in Housekeeping	PS510P	Performance measure identifying the percentage of patients who improved in the frequency with which the home was clean and orderly (with or without assistance) during the episode.
Improvement in Meal Preparation	PS590P	Performance measure identifying the percentage of patients who improved in the frequency with which meals were prepared and accessible (with or without assistance) during the episode.
Improvement in Medication Management	PS600P	Performance measure identifying the percentage of patients who improved in the frequency with which medications were prepared and taken reliably and safely (with or without assistance) during the episode.
Improvement in Obtaining Needed Items	PS610	Performance measure identifying the percentage of patients who improved in obtaining groceries, personal supplies, clothing, and household items (with or without assistance) during the episode.
Improvement in Urinary Incontinence	PS420, PS430	Percentage of patients who improved in the frequency of urinary incontinence during the episode.
Improvement in Bowel Incontinence	PS440	Percentage of patients who improved in the frequency of bowel incontinence during the episode.
Improvement in Constipation Frequency	PS450	Percentage of patients with decreased frequency of constipation during the episode.
Decrease in Nutritional Risk	PS350	Percentage of patients whose nutritional risk (i.e., the number of nutritional risk factors marked as "Yes") decreased during the episode.
Improvement in Hydration Status	PS370	Percentage of patients whose hydration status (i.e., skin turgor) improved during the episode.
Improvement in Occurrence of Falls	PS700	Percentage of patients who improved in the presence of falls during the episode.

<b>Outcome Measure</b>	<b>PESO Item(s)</b>	<b>Outcome Measure Description</b>
Improvement in Number of Wounds/Lesions	PS390, PS402, PS412	Percentage of patients who improve in number of bruises, burns, skin tears, abrasions, stasis ulcers, observable pressure ulcers, and observable surgical wounds during the episode.
Decrease in Pain Interfering with Daily Activities	PS384	Percentage of patients with decreased frequency of pain interfering with daily activities during the episode.
Decrease in Frequency of Pain	PS380	Percentage of patients with decreased frequency of pain during the episode.
Decrease in Severity of Pain	PS382	Percentage of patients with decreased severity of pain during the episode.
Decrease in Dyspnea	PS320	Percentage of patients who improved in dyspnea during the episode.
Improvement in Orientation to Place and Time	PS260	Percentage of patients with improved in orientation to place and time (i.e., number of correct responses on PS260) during the episode.
Improvement in Cognitive Functioning	PS630	Percentage of patients with improvement in cognitive functioning during the episode.
Decrease in Frequency of Confusion	PS640	Percentage of patients with decreased frequency of confusion during the episode.
Decrease in Depressive Symptoms	PS650	Percentage of patients with decreased depressive symptoms during the episode.
Decrease in Frequency of Anxiety	PS670	Percentage of patients with decreased frequency of anxiety symptoms during the episode.
Decrease in Frequency of Behavior Problems	PS690	Percentage of patients whose frequency of behavior problems (i.e., averaged across all subitems within PS690) decreased during the episode.
Decrease in Feelings of Isolation	PS660	Percentage of patients with reduced frequency of feeling lonely or isolated during the episode.
Improvement in Knowledge of Emergency Procedures	PS720, PS722, PS724 Option 1	Composite measure identifying the percentage of patients who improved in knowledge of emergency procedures (i.e., knowledge of how to exit residence, summon help, and use the telephone to summon help) during the episode.

<b>Outcome Measure</b>	<b>PESO Item(s)</b>	<b>Outcome Measure Description</b>
Improvement in Ability to Implement Emergency Procedures	PS726 Options 1 and 2	Percentage of patients who improved in the ability to implement emergency procedures (i.e., ability to exit residence and summon help) during the episode.
Improvement in Ability to Use Phone to Summon Help	PS724 Option 2	Percentage of patients who improved during the episode in the ability to use the telephone to summon help in an emergency situation.
Improvement in Quality of Life	PS760	Percentage of patients who improved in self-rated quality of life during the episode.
<b>Negative Change in Health Status</b>		
Decline in Grooming Ability	PS480A	Percentage of patients who declined in the ability to groom independently during the episode.
Decline in Bathing Ability	PS490A	Percentage of patients who declined in the ability to bathe independently during the episode.
Decline in Ability to Dress Upper Body	PS520A	Percentage of patients who declined in the ability to independently dress the upper body during the episode.
Decline in Ability to Dress Lower Body	PS530A	Percentage of patients who declined in the ability to independently dress the lower body during the episode.
Decline in Toileting Ability	PS540A	Percentage of patients who declined in the ability to toilet independently during the episode. Patients who had both a catheter for urinary elimination and an ostomy for bowel elimination at the beginning of the episode were excluded from this calculation.
Decline in Transferring Ability	PS550A	Percentage of patients who declined in the ability to transfer independently during the episode.
Decline in Ambulation/Locomotion	PS560P	Performance measure identifying the percentage of patients who declined in ambulation/locomotion (with or without assistance) during the episode.
Decline Ambulation/Locomotion Ability	PS560A	Percentage of patients who declined in the ability to ambulate/locomote independently during the episode.
Decreased Independence in Mobility	PS550A, PS560A, PS570	Composite measure examining decline in ability to independently transfer, ambulate/locomote, and move in bed. The percentage of patients who became less independent in these activities during the episode is presented.
Decline in Feeding/Eating	PS580P	Performance measure identifying the percentage of patients who declined in feeding/eating (with or without assistance) during the episode.

<b>Outcome Measure</b>	<b>PESO Item(s)</b>	<b>Outcome Measure Description</b>
Decline in ADL Ability	PS480A, PS520A, PS530A, PS550A, PS560A	Composite measure examining decline in the ability to independently perform specific ADLs (i.e., grooming, dressing upper and lower body, transferring, ambulation/locomotion). The percentage of patients who became less independent in these activities during the episode is presented.
Decline in Ability to Launder Clothing/Linens	PS500A	Percentage of patients who declined in the ability to independently launder clothing and linens during the episode.
Decline in Meal Preparation	PS590P	Performance measure identifying the percentage of patients who declined in the frequency with which meals were prepared and accessible (with or without assistance) during the episode.
Decline in Ability to Prepare Meals	PS590A	Percentage of patients who declined in the ability to prepare meals independently during the episode.
Decline in Ability to Manage Medications	PS600A	Percentage of patients who declined in the ability to independently take medications reliably and safely during the episode. Patients who take no medications were excluded from this calculation.
Decline in Living Skills Ability	PS550A, PS510A, PS590A	Composite measure reflecting improvement in ability to independently complete activities related to laundry, housekeeping, and meal preparation. The percentage of patients who became more independent in these activities during the episode is presented.
Increase in Nutritional Risk	PS350	Percentage of patients whose nutritional risk (i.e., the number of nutritional risk factors marked as "Yes") increased during the episode.
Decline in Hydration Status	PS370	Percentage of patients whose hydration status (i.e., skin turgor) declined during the episode
Decline in Oral Status	PS290	Percentage of patients with decline in oral status during the episode.
Increase in Frequency of Pain	PS380	Percentage of patients with decreased frequency of pain during the episode.
Increase in Dyspnea	PS320	Percentage of patients who experienced increased dyspnea during the episode.
Decline in Orientation to Place and Time	PS260	Percentage of patients experiencing a decline in orientation to place and time (i.e., number of correct responses on PS260) during the episode.
Decline in Cognitive Functioning	PS630	Percentage of patients with decline in cognitive functioning during the episode.
Increase in Frequency of Confusion	PS640	Percentage of patients with increased frequency of confusion during the episode.

<b>Outcome Measure</b>	<b>PESO Item(s)</b>	<b>Outcome Measure Description</b>
Increase in Depressive Symptoms	PS650	Percentage of patients with increased depressive symptoms during the episode.
Increase in Frequency of Anxiety	PS670	Percentage of patients with increased frequency of anxiety symptoms during the episode.
Increase in Frequency of Behavior Problems	PS690	Percentage of patients whose frequency of behavior problems (i.e., averaged across all subitems within PS690) increased during the episode.
Increase in Feelings of Isolation	PS660	Percentage of patients with increased frequency of feeling lonely or isolated during the episode.
Decline in Ability to Implement Emergency Procedures	PS726 Options 1 and 2	Percentage of patients who declined in the ability to implement emergency procedures (i.e., ability to exit residence and summon help) during the episode.
Decline in Ability to Use Phone to Summon Help	PS724 Option 2	Percentage of patients who declined during the episode in the ability to use the telephone to summon help in an emergency situation.
Decline in Quality of Life	PS760	Percentage of patients who declined in self-rated quality of life during the episode.
<b>UTILIZATION OUTCOMES</b>		
Emergent Care	PS810	Percentage of patients receiving emergent care during the episode.
Hospitalization	PS830	Percentage of patients for whom the episode ended in hospitalization.