

NURSING HOME INNOVATION GRANT AWARDS BY FACILITY

Facility Name	City	Project Description	Amount Awarded	Performance Objectives
Aberdeen Health & Rehab	Aberdeen	<u>Call Light System Upgrade:</u> The model of the last 30 yrs is an institutional feel with alarms sounding all day/night. Updated call light systems improve the patient experience by creating a quieter, more calming, less institutional environment. Additionally, the upgraded systems allow for tracking of call response times, an important quality measure in nursing facility care.	\$ 75,953.86	Smart Goals reviewed and tracked under the facility monthly Quality Assurance Process Improvement (QAPI) program. Goal 1: Facility will reduce the number of resident concerns related to timeliness of assistance from an average of 8 incidences per month to an average of four per month by 12/31/2019. Goal #2: Facility will remain under the national average on the Casper report for both falls and falls with major injury by last quarter 2019. Goal #3: Facility will respond to all call lights within 10 minutes. Facility will utilize the systems tiered response settings to achieve this goal by 12/31/2019. Adjustments to timelines will be allowed due to later than expected approval of grants.
Avera Health	Sioux Falls	<u>Avera e-care:</u> Implementation of the Avera e-care system allows for consultation with a geriatrician, delivered with the patient remaining in the nursing facility. Benefits include reduction in emergency room visits, transportation costs and disruption to the resident, particularly in harsh winter weather. Additionally, it reduces the risk of exposure of the nursing home patient to contagious illness in the emergency room.	\$ 454,478.82	Avera eCARE Senior Care Team will communicate regularly with partner facilities toward meeting the desired outcomes and report to the State. The three metrics are: 1. Reduction in facility 30 day re-hospitalization admission rates for short stay residents and reduction in hospitalization rates for long stay residents. 2. Facilities will experience a reduction in the number of transfers to the Emergency Department when the geriatrician-led Avera eCARE Senior Care Services team was involved in the resident encounter. 3. Facilities will experience an increase in the number of avoided transfers/cases able to be treated in place. Tracking of metris will be per facility in the total award.
Bethany Lutheran Home for the Aged	Sioux Falls	<u>Avera e-care:</u> Implementation of the Avera e-care system allows for consultation with a geriatrician, delivered with the patient remaining in the nursing facility. Benefits include reduction in emergency room visits, transportation costs and disruption to the resident, particularly in harsh winter weather. Additionally, it reduces the risk of exposure of the nursing home patient to contagious illness in the emergency room. Two facilities, Bethany in Sioux Falls and Brandon.	\$ 79,592.00	All metrics will be reported to Quality Assurance Program Improvement (QAPI) teams at both facilities and provide quarterly reports to the state: Metrics: 1. Achieve hospital readmission rates and Emergency Department visit rates at or below the State and National average as reported by CMS 5-Star reports. 2. Spend per Medicare beneficiary will be benchmarked against current performance as well as through monthly comparison to the CMS 5-Star report to achieve a Medicare spend per beneficiary at or below State and National averages. 3. 100% of Nursing employees will complete required testing with a test core of 90% or greater on the post Avera eCARE clinical training sessions.
Bethesda Home	Webster 57274	<u>Wireless Internet Technology:</u> Funding of wireless internet through the facility will allow use of electronic medical record and electronic medicine administration records throughout the resident rooms. Electronic medicine administration records are found to be highly effective in reducing administrative errors since the changes are recorded instantly.	\$ 48,000.00	Metrics: 1. Evaluation of completion timeline as compared to proposed timeline. 2. Number of medication errors, omissions and "near misses". 3. Number of residents utilizing psychiatry services, the need for additional behavioral health services and rehospitalization rate due to behavior concerns. All metrics will be reviewed with the facility Quality Assurance Program Improvement (QAPI) team as well as reported to the State.
Centerville Care and Rehab Center, Inc.	Centerville	<u>Trolley to Facilitate Social Interaction:</u> The resident trolley creates increased opportunities for social interaction by increasing access to community activities. Residents will be able to participate in community events like parades, softball and baseball games and to go shopping at the local grocery store and other local shops. According to National Institutes of Health, several research studies have shown a strong correlation between social interaction and health and well being among older adults.	\$ 6,000.00	Number of residents utilizing trolley for social interaction during trolley months of operation.

Dow Rummel Village	Sioux Falls	<u>Avera e-care:</u> Implementation of the Avera e-care system allows for consultation with a geriatrician, delivered with the patient remaining in the nursing facility. Benefits include reduction in emergency room visits, transportation costs and disruption to the resident, particularly in harsh winter weather. Additionally, it reduces the risk of exposure of the nursing home patient to contagious illness in the emergency room.	\$ 44,440.00	Smart Goals will be reviewed and tracked under the facility monthly Quality Assurance Process Improvement (QAPI) program. Outcomes will be tracked to demonstrate improvement in three focused outcome areas: 1. Resident falls 2. Unplanned hospitalizations and 3. Resident to resident behaviors.
Estelline Nursing and Care Center	Estelline	<u>Technology Enhancements for Nursing Home Residents:</u> Technology enhancements are useful in creating a better individual experience for someone living in a nursing home, including use of tools to allow communication with family at a distance (iPads), wireless headphones so those with hearing impairments can hear music, audiobooks, etc. without disrupting other residents, smart TVs for activities and movies, Echo Dot and MP3 players for music therapy. A variety of technology tools allows a person-centered approach which considers the preferences of the individual and expands on the Music and Memory Program which has been proven to be effective.	\$ 11,681.64	Results will tracked individually per resident due to the varying cognition levels of individuals. Each individual care plan will include a plan for evaluation based on the specific conditions and needs of the individual. Evaluation tools may include observation, interview, review of behaviors and cognition progression and will include the resident, family and staff in the evaluation process. The team will meet monthly to evaluate the program and provide reports to the State on a quarterly basis.
Faulkton Senior Living	Faulkton	<u>Call Light System Upgrade:</u> The model of the last 30 yrs is an institutional feel with alarms sounding all day/night. Updated call light systems improve the patient experience by creating a quieter, more calming, less institutional environment. Additionally, the upgraded systems allow for tracking of call response times, an important quality measure in nursing facility care.	\$ 61,033.00	The Quality Assurance Performance Improvement Process (QAPI) will be used to assess achievement of the following outcome goals: 1. Increase customer survey "agree" and "strongly agree" response score from 89% to 94% in the area of "timely response" by December 2020. 2. Increase customer survey "agree" and "strongly agree" response scores from 89% to 94% on the item related to "area quiet for sleep" by December 2020. 3. Decrease resident falls from 66.7% to below state average of 61% by December 2020.
Firesteel Healthcare Center	Mitchell	<u>Call Light System Upgrade:</u> The model of the last 30 yrs is an institutional feel with alarms sounding all day/night. Updated call light systems improve the patient experience by creating a quieter, more calming, less institutional environment. Additionally, the upgraded systems allow for tracking of call response times, an important quality measure in nursing facility care.	\$21,915.10	The Quality Assurance Performance Improvement (QAPI) process will be used to assess achievement of the following goal: Improvement in current facility benchmark for average call light response time of 8 minutes to less than 5 minutes per wing. The system has the ability to drill down by factors (shift, day of week, by wing or by individual resident) if goals are not met to drive remediation.
Jenkins Living Center	Watertown	<u>Call Light System Upgrade:</u> The model of the last 30 yrs is an institutional feel with alarms sounding all day/night. Updated call light systems improve the patient experience by creating a quieter, more calming, less institutional environment. Additionally, the upgraded systems allow for tracking of call response times, an important quality measure in nursing facility care.	\$ 95,000.00	The Quality Assurance Performance Improvement (QAPI) process will be used to assess performance on performance measures. Data monitoring will focus of improvement in four specific areas: 1. real-time call light response times in both room and bathroom settings; 2. average response times based on a specific time frame (day, week month); 3. tracking of which staff person responded and time involved to provide care; and 4. enhanced charting as noted in electronic health record.
Jenkins Living Center	Watertown	<u>Dementia Care Education:</u> Dementia training and awareness comes in a variety of packages. All are beneficial to the quality of life and safety of individuals in the nursing facility. Understanding of the disease process of dementia is crucial in the proper and effective care of affected individuals. Well educated and prepared staff will result in fewer discharges to acute care and psychiatric services as the staff learn to interact in a more productive manner with residents in crisis. The quality of life of the resident is improved when caregivers understand their disease process and learn to accommodate changes in mood and behavior associated with the disease and thereby reduce pressure on the resident to act or respond in prescribed ways.	\$ 4,655.00	Better understanding of the dementia disease progress will lead to better staff interactions with residents with dementia. The Director of Nursing will monitor monthly antipsychotic medication use report to track progress toward goal of: Decreased antipsychotic medication use after implementation of dementia care education to direct care providers.

Legacy Healthcare	Skokie	<u>On-site Dialysis Unit:</u> An on-site dialysis unit shifts the model of care to one of providing more skilled nursing services in the nursing home to address the increased complexity of those individuals residing in a nursing home setting. On-site Dialysis units address two critical elements: dialysis chairs are in limited supply and aren't always available where nursing facility beds are open, and on-site dialysis will reduce costs to Medicaid for transportation of residents to dialysis. Additionally, there is a definite benefit to the resident in quality of life. An on-site dialysis unit removes the need for the resident to be transported to an off-site location 2-3 times per week, reduces the need for staff to accompany residents for the dialysis time (most of an 8 hour shift including transport time) and is less disruptive to the resident's well being. A dialysis encounter takes most of the day, removes the patient from their home environment all day and puts additional stress on the resident during the transportation.	\$ 246,000.00	Utilizing the facility Quality Assurance Improvement Process (QAPI) the facility will measure three outcome measures: 1. individual patient quality indicators scored through the routine completion of the Minimum Data Set (MDS) assessment conducted at scheduled intervals; 2. Re-hospitalization occurrences, to include root cause analysis; 3. Individual resident functional capacity and status as captured through Therapy Services with FIM scoring.
Medicine Wheel Village	Eagle Butte	<u>Telemedicine:</u> Telemedicine provides consultation with a hospital physician without the patient needing to be physically transported to the emergency room. Benefits include reduced emergency room visits, reduced transport time and cost, reduced disruption to patient, and reduced exposure of the nursing home patient to contagious illness in the emergency room. Additionally, this request will allow for professional behavioral health consultations as well as primary healthcare consultations.	\$ 21,564.58	Telehealth services will be assessed through the facility Quality Improvement program, focusing on tracking of three goal areas: 1. Decreased transfers out of the nursing facility; 2. Increased use of remote diagnosis of conditions and fluctuation of resident conditions which result in improved quality of care; and 3. Decrease in hospitalizations.
Philip Health Services	Philip	<u>Dementia Care Education:</u> Dementia training and awareness comes in a variety of packages. All are beneficial to the quality of life and safety of individuals in the nursing facility. Understanding of the disease process of dementia is crucial in the proper and effective care of affected individuals. Well educated and prepared staff will result in fewer discharges to acute care and psychiatric services as the staff learn to interact in a more productive manner with residents in crisis. The quality of life of the resident is improved when caregivers understand their disease process and learn to accommodate changes in mood and behavior associated with the disease and thereby reduce pressure on the resident to act or respond in prescribed ways.	\$ 95,459.00	Facility Quality Assurance Improvement Process (QAPI) will be used to monitor progress toward 5 outcomes: 1. Decrease in use of antipsychotic medications by 10% within 3 years; 2. Reduction in falls and fall with major injury by 15% within 3 years; 3. Increase in resident and family satisfaction by 15% within 3 years; 4. Reduction in Certified Nursing Assistant turnover by 10% within 3 years; Increase in Nursing and Certified Nursing Assistant employee satisfaction by 20% within 3 years.
Pioneer Memorial	Viborg	<u>Call Light System Upgrade:</u> The model of the last 30 yrs is an institutional feel with alarms sounding all day/night. Updated call light systems improve the patient experience by creating a quieter, more calming, less institutional environment. Additionally, the upgraded systems allow for tracking of call response times, an important quality measure in nursing facility care.	\$ 52,442.44	Using SMART guidelines, measurement toward the following goals will be tracked and reported: Decreased wait time for response to call lights will be determined using system reporting information, formula computation comparison and resident survey; 2. Resident and staff surveys will measure the objective of decreased environmental noise to create a home like environment and better quality of life; and 3. System reporting information and staff survey will be used to measure increased staff communication and efficiency.
Platte Health Center Avera	Platte	<u>Dementia Care Education:</u> Dementia training and awareness comes in a variety of packages. All are beneficial to the quality of life and safety of individuals in the nursing facility. Understanding of the disease process of dementia is crucial in the proper and effective care of affected individuals. Well educated and prepared staff will result in fewer discharges to acute care and psychiatric services as the staff learn to interact in a more productive manner with residents in crisis. The quality of life of the resident is improved when caregivers understand their disease process and learn to accommodate changes in mood and behavior associated with the disease and thereby reduce pressure on the resident to act or respond in prescribed ways.	\$ 65,136.20	The facility will use the Minimum Data Set (MDS) assessment collected at scheduled intervals for all residents to measure progress in three specific quality indicators to measure progress improvement after implementation of this training: 1. Reduction of "behaviors affecting others" by 7%; 2. Reduction in "residents with symptoms of depression" by 10%; 3. Reduction in "falls among residents" by at least 15%. Additionally, the facility will also facility staff turnover rates with a goal of: Decrease in staff turnover rate for staff who work with residents with dementia by 10%.

Regional Health Care Center Sturgis	Sturgis	<u>Dementia Care Education</u> : Dementia training and awareness comes in a variety of packages. All are beneficial to the quality of life and safety of individuals in the nursing facility. Understanding of the disease process of dementia is crucial in the proper and effective care of affected individuals. Well educated and prepared staff will result in fewer discharges to acute care and psychiatric services as the staff learn to interact in a more productive manner with residents in crisis. The quality of life of the resident is improved when caregivers understand their disease process and learn to accommodate changes in mood and behavior associated with the disease and thereby reduce pressure on the resident to act or respond in prescribed ways.	\$ 57,032.00	The facility currently triggers at higher percentage usage as compared to state and national averages for long-term antipsychotic medication usage and behaviors affecting others. The facility will use the CASPER report from which state average performance is benchmarked to measure success toward achieving state average benchmarks for the following focus areas: 1. Achieve state average for quality indicator "behaviors affecting others" of 33.6%, a decrease from current (70.5%); 2. Achieve state average of the quality indicator "long-term antipsychotic medication usage" of 16.7%, a decrease from current (23.4%); 3. Reduce number of psychotropic medications used by at least 20%; 4. Improve equality of life by 20% as measured in the Quarterly Quality of Life Survey.
Regional Health Network, Inc. - Custer	Custer	<u>Dementia Care Education</u> : Dementia training and awareness comes in a variety of packages. All are beneficial to the quality of life and safety of individuals in the nursing facility. Understanding of the disease process of dementia is crucial in the proper and effective care of affected individuals. Well educated and prepared staff will result in fewer discharges to acute care and psychiatric services as the staff learn to interact in a more productive manner with residents in crisis. The quality of life of the resident is improved when caregivers understand their disease process and learn to accommodate changes in mood and behavior associated with the disease and thereby reduce pressure on the resident to act or respond in prescribed ways.	\$ 57,032.00	The facility currently triggers at higher percentage usage as compared to national averages for behaviors affecting others. The facility will measure success in the following focus areas: 1. Achieve national average for quality indicator "behaviors affecting others" of 20.6%, a decrease from current (31.1%); 2. Achieve ranking in the 40th percentile for the quality indicator "long-term antipsychotic medication usage". The facility is currently less than the state and national averages and in the 55th percentile; 3. Reduce number of psychotropic medications used by at least 20%; 4. Improve equality of life by 20% as measured in the Quarterly Quality of Life Survey.
Riverview Healthcare Center	Flandreau	<u>Avera e-care</u> : Implementation of the Avera e-care system allows for consultation with a geriatrician, delivered with the patient remaining in the nursing facility. Benefits include reduction in emergency room visits, transportation costs and disruption to the resident, particularly in harsh winter weather. Additionally, it reduces the risk of exposure of the nursing home patient to contagious illness in the emergency room.	\$ 37,200.00	Facility will utilize the facility Quality Assurance Committee to monitor the following objectives: 1. Decrease in resident visits to the Emergency Department; 2. Reduction in rehospitalizations of residents; 3. Increase in resident satisfaction as demonstrated through facility resident satisfaction surveys; 4. Improvement in partnership satisfaction between the facility and local hospital as demonstrated in quarterly evaluations.
Spearfish Canyon Healthcare	Spearfish	<u>In-facility therapeutic spa environment</u> : This project encompasses several programs designed to improve resident well being and physical health. A yoga program will build strength and flexibility in residents, which is directly related to prevention of falls through increased strength and balance. Yoga is specifically called out by Harvard Health as one of the six relaxation techniques to reduce stress. Massage and aroma therapy will be utilized to relieve muscle tension for those individuals confined to a wheelchair for the majority of their day. Whirlpool tubs will provide reduction in pain levels by providing a relaxing soak in a safe tub to relieve muscle aches and pains, particularly for those confined to a wheelchair. All of these interventions work to reduce pain and stress for the individual.	\$ 178,535.15	Quality indicators which are a part of the facility Quality Assurance Process Improvement (QAPI) program will be tracked to measure progress in identified focus areas: 1. Reduction of anti-psychotic medication usage; 2. Improvement in pain management; 3. Decrease in depression rating; 4. Changes in weight; 5. Changes in behavior affecting others. Additionally individual resident interviews will be used to measure patient satisfaction.
Sunset Manor	Irene	<u>Call Light System Upgrade</u> : The model of the last 30 yrs is an institutional feel with alarms sounding all day/night. Updated call light systems improve the patient experience by creating a quieter, more calming, less institutional environment. Additionally, the upgraded systems allow for tracking of call response times, an important quality measure in nursing facility care.	\$ 10,169.00	The facility Quality Assurance Process Improvement (QAPI) program will be used to report and evaluate objectives based on monitoring of the following factors: 1. Length of time to answer call lights; 2. Resident and family grievances regarding response to call lights; 3. Number of falls in the facility.

The Evangelical Lutheran Good Samaritan Society	Sioux Falls	<p><u>On-site Dialysis Unit:</u> An on-site dialysis unit shifts the model of care to one of providing more skilled nursing services in the nursing home to address the increased complexity of those individuals residing in a nursing home setting. On-site Dialysis units address two critical elements: dialysis chairs are in limited supply and aren't always available where nursing facility beds are open, and on-site dialysis will reduce costs to Medicaid for transportation of residents to dialysis. Additionally, there is a definite benefit to the resident in quality of life. An on-site dialysis unit removes the need for the resident to be transported to an off-site location 2-3 times per week, reduces the need for staff to accompany residents for the dialysis time (most of an 8 hour shift including transport time) and is less disruptive to the resident's well being. A dialysis encounter takes most of the day, removes the patient from their home environment all day and puts additional stress on the resident during the transportation.</p>	\$ 244,524.00	<p>The facility will measure success of the program by monitoring of the following: 1. Decrease in incidence of severe depression among residents undergoing on-going dialysis treatment from current baseline; 2. Improvements in the quality of life indicators for those residents receiving dialysis surveys. The survey is conducted on an annual basis; 3. Changes in the overall case mix index reflective of positive effects of on-site dialysis service; 4. Changes in the average daily census of the facility reflecting decreased hospitalization events.</p>
The Neighborhoods at Brookview	Brookings	<p><u>Tandem Wheelchair Bicycles:</u> By focusing more on the resident as a person and what brings them happiness, the quality of life for residents can be improved. This proposal provides the opportunity for activities outside the facility and social interaction, which even people in a wheelchair with limited mobility can participate in. According to the National Institutes of Health, research studies have shown a strong correlation between social interaction and health and well-being among older adults.</p>	\$ 22,490.00	<p>Success of the program will be monitored through tracking of: 1. Documentation of monthly incidents of use of the tandem bicycles as an activity intervention utilized for residents; 2. Resident and family feedback regarding the tandem bicycles will be tallied on a monthly basis.</p>
United Retirement Center	Brookings	<p><u>Aquatic Therapy:</u> This model of care shift is towards building strength and focusing on recovery. Increasing strength and health in some instances could allow for discharge to a lesser level of care. Benefits of aquatic therapy include increasing joint flexibility, increasing muscle strength, decreasing pain through increasing strength and mobility, and overall leading to improved balance. Aquatic therapy is effective for older individuals and those individuals who are morbidly obese, as it allows for increase in strength and mobility in a non-weight bearing environment. The improved strength and balance can be important in fall prevention, a major concern in the nursing home population.</p>	\$ 150,050.00	<p>The facility will measure improved functional ability of reduced fall risk of inpatient resident through either Medicare therapy utilization or facility restorative therapy program. Focus areas include: Decrease in facility falls and falls with major injury; and 2.I mprovement in Mobility decline under Activities of Daily Living.</p>
Walworth County Care Center	Selby	<p><u>Assessment of Needs:</u> A comprehensive analysis of the need for long term care services and supports in the region to inform a well-thought out plan for sustainability of supports for the region.</p>	\$ 86,500.00	<p>Governing Boards of Walworth County Care Center and Moberg Regional Hospital will evaluate the project progress and determine whether or not to implement the findings, funding expansion, creation or renovation of services called out with the project study. Community residents and groups will be engage for input and feedback. The measurable objective will be expressed as licensed and staffed beds current and planned for the future according to the needs of the community.</p>
Westhills Health Care	Rapid City	<p><u>Avera e-care:</u> Implementation of the Avera e-care system allows for consultation with a geriatrician, delivered with the patient remaining in the nursing facility. Benefits include reduction in emergency room visits, transportation costs and disruption to the resident, particularly in harsh winter weather. Additionally, it reduces the risk of exposure of the nursing home patient to contagious illness in the emergency room.</p>	\$ 56,720.00	<p>Monitoring of program efficacy will be based on the following outcome base performance measures: 1. 30% reduction in length of stay as reported from Long-term care Trend Tracker; 2. 13% improvement in 30 day hospital readmission rates per Long-term care Trend Tracker; 3. Savings in Medicare cost per beneficiary as reported in QIES system quarterly; 4. Increase in utilization of telehealth services from monthly reporting from the vendor to include days program was utilized, time spent on program with providers, the primary complaint of the resident utilizing services and diagnosis at time of utilization.</p>

Westhills Village Health Care	Rapid City	<p><u>Chair Yoga:</u> Chair Yoga has been shown by research to be linked to a reduction in falls due to increased strength and balance. This proposal includes a plan for baseline assessments and quarterly reviews to monitor the changes in physical activity and reduction in falls. Falls are often the cause of hospitalization; therefore the project could affect the rate of hospitalization for residents of the facility.</p>	<p>\$ 3,200.00</p>	<p>Using a battery of validated instruments, the residents will participate in a baseline testing and measurement every quarter for a period of two years to assess for: 1. Reduction in falls; 2. Any improvement in overall health and wellness. Validated instruments include: Short Physical Performance Battery (SPPB), Berg Balance Scale (BSS), Functional Reach (FR), Modified Sit and Reach (SR), Tinetti's Falls Efficacy Scale (TFES), Hospital Anxiety and Depression Scale (HADS), Brief Pain Inventory (BPI) and Timed up and Go (TUG).</p>
			<p>\$ 2,286,803.79</p>	