

This scorecard provides an overview of Oklahoma nursing home performance with comparative data from the region and nation. The data comes from the Minimum Data Set National Repository, which is referred to as MDS 3.0. The data for this scorecard edition was retrieved on March 13, 2018, for the period ending December 31, 2017. It includes a five quarter review of performance on key quality measures. These 13 metrics comprise the composite score as designated by the Centers for Medicare and Medicaid Services. The composite score is a snapshot of overall quality in nursing homes and is featured as table 14 on the bottom right of the scorecard. Whether the change <u>from previous to current year</u> for Oklahoma is statistically significant or not is indicated by the traffic light indicator where 'Red' indicates change for worse, 'Yellow' indicates no significant change and 'Green' indicates change for better.

Those measures showing statistically significant change last quarter showed the same result this quarter. Nine of 14 measures show statistically significant improvement from the same quarter last year (green lights), while one shows a downturn in performance (red light). Among those improving, residents with urinary tract infections (Table 13) declined by 23% over the year while residents who have depressive symptoms (Table 11) declined by 19%. Two other measures saw strong gains over the year. Residents who self-report moderate to severe pain (Table 1) declined by 15% while residents requiring a catheter (Table 2) declined by 13%.

Residents at low-risk who lose control of their bowel or bladder (Table 4) saw a six tenths of a point increase over last quarter, with the number increasing by 6% for the year. However, Oklahoma continues to be more than eight points below the regional and national averages.

For the fifth consecutive quarter our combined composite score (Table 14) shows statistically significant improvement and we recorded a 6% improvement for the year. This improvement is consistent with the region and nation.

Statistically Significant Change: Previous to Current Year - Oklahoma	
Improved Performance Measures:	Worsened Performance
Self-reported pain (Table 1)	Low-Risk Residents Who Lose Control of Their Bowels or Bladder (Table 4)
Catheter in Bladder (Table 2)	
High Risk Residents with Pressure Ulcers (Table 3)	
Residents Receiving Antipsychotic Medications (Table 9)	
Influenza vaccination (Table 10)	
Residents with Depressive Symptoms (Table 11)	
Pneumococcal vaccination (Table 12)	
Urinary tract infections (Table 13)	
State Composite Score (Table 14)	

Note: Statistical significance was determined based on the 95% confidence interval. Email <u>QIEShelpdesk@health.ok.gov</u> for more information.

Composite Scorecard for Oklahoma Nursing Homes Long-stay metrics for the period ending December 31, 2017

Source: Minimum Data Set (MDS) National Repository Run Date: 03/13/2018 Table 1 Table 2 **Residents Who Self-Report Moderate Residents With Catheter Inserted or Left** to Severe Pain (N=13,125) in Bladder (N=16,626) Desired J Desired J 15.0% Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 5.0% 13.0% 7.1% 6.9% 6.8% 2.9% 2.8% 2.6% Nation 7.3% 6.7% Nation 3.0% 2.6% 4.0% 11.0% 9.0% 6.6% Region 6 6.9% 6.3% 6.2% 5.9% Region 6 3.4% 3.3% 3.2% 3.0% 2.9% 3.0% 7.0% 4.0% 4.0% 3.9% Oklahoma 13.0% 11.9% 11.1% 11.2% 11.0% Oklahoma 4.0% 3.5% 2.0% 5.0% Table 3 Table 4 High Risk Residents with Pressure Ulcers Low-Risk Residents Who Lose Control of (N=10,039) Their Bowels or Bladder (N=8812) Desired J Desired ↓ 9.0% 48.0% Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 8.0% 44.0 6.36% 6.10% 47.8% Nation 6.23% 6.27% 6.11% Nation 47.0% 47.3% 47.3% 47.4% 7.0% 40.0% 7.01% 7.03% 6.95% 6.78% 6.62% 45.2% 45.4% 45.1% 45.5% Region 6 Region 6 46.1% 6.0% 36.0 Oklahoma 8.28% 7.66% 7.78% 7.92% 7.69% Oklahoma 35.0% 36.8% 36.7% 36.7% 37.3% 32.0% 5.0% Table 5 Table 6 **Residents Physically Restrained Residents Who Lose Too Much Weight** (N=17,658) (N=17,455) Desired J Desired J 0.7% 10.0% Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 9.09 0.5% Nation 0.54% 0.49% 0.44% 0.40% 0.39% Nation 7.6% 8.2% 7.9% 7.4% 7.4% 8.09 0.3% 0.40% 0.35% 0.30% 0.24% 0.24% 6.8% 7.5% 7.2% 6.8% 6.9% Region 6 Region 6 7.0% 0.32% 0.29% 9.4% Oklahoma 0.36% 0.28% 0.31% 0.1% Oklahoma 8.3% 9.5% 8.6% 8.6% 6.0% Table 7 Table 8 **Residents With One or More Falls Residents Whose Need for Help With Activities** of Daily Living (ADL) has Increased (N=13,892) with Major Injury (N=17,751) Desired J Desired \downarrow 7.0% 19.0% Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 6.0% 3.33% 3.35% 3.33% 3.32% Nation 15.9% 15.4% 14.9% 17.0% Nation 3.33% 15.4% 15.4% 5.0% 4.0% 3.84% Region 6 3.87% 3.79% 3.77% 3.82% 17.6% 18.2% 17.9% 17.7% 18.0% 15.0% Region 6 3.0% 5.26% 2.0% Oklahoma 15.9% 15.1% Oklahoma 5.50% 5.26% 5.16% 5.46% 14.9% 16.7% 15.1% 13.0% Table 9 Table 10 **Residents Who Received Antipsychotic Residents Assessed and Appropriately Given** Medications (N=15,835) the Flu Vaccine (N=17,568) Desired ↓ Desired ↑ 20.0% 97.0% Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 19.0% 96.0% 18.0% Nation 15.6% 15.4% 15.1% 15.0% 14.8% Nation 94.5% 94.9% 94.9% 94.9% 94.9% 95.0% 17.0% 94 0% Region 6 17.3% 16.9% 16.4% 16.2% 15.4% 16.0% Region 6 93.1% 94.0% 94.0% 94.0% 94.0% 93.0% 15.0% Oklahoma 19.1% 18.6% 18.3% 18.7% 18.4% 14.0% Oklahoma 93.9% 96.1% 96.1% 96.1% 96.1% 92.0% Table 11 Table 12 **Residents Who Have Depressive Residents Assessed and Appropriately Given** Symptoms (N=15,688) the Pneumococcal Vaccine (N=17,752) Desired ↓ Desired ↑ 6.0% Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 94 0% 5.0% Nation 5.6% 5.5% 5.3% 5.1% 5.0% Nation 93.2% 93.7% 94.0% 93.8% 93.0% 92.09 Region 6 3.7% 3.6% 3.4% 3.2% 3.0% 4.0% Region 6 91.3% 92.1% 92.5% 92.6% 92.5% 5.7% 5.3% 4.9% 92.7% 91.9% Oklahoma 5.7% 4.6% 3.0% Oklahoma 91.0% 92.9% 91.6% 90.0% Table 13 Table 14 **Residents With a Urinary Tract Infection** Composite Score for the Nation, Region 6 (N=17,464) and Oklahoma (N=199,665) Desired ↓ Desired ↓ 10.0% 7.0% Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 Dec 2016 Mar 2017 Jun 2017 Sep 2017 Dec 2017 6.0% 9.0% Nation 3.7% 3.6% 3.4% 3.3% 2.8% Nation 8.00% 8.00% 7.80% 7.70% 7.70% 5.0% 4.0% 3.7% 3.4% 3.3% 2.9% 8.00% 7.90% 8.0% Region 6 3.9% Region 6 8.50% 8.30% 8.10% 3.0% 5.7% Oklahoma 6.1% 5.2% 5.4% Oklahoma 9.25% 9.00% 8.80% 8.80% 8.70% 4.7% 7.0% 2.0% Legend N = OK Denominator for current period Statistically significant change for worse from the first to the last period shown Nation Region No Statistically significant change from the first to the last period shown Oklahoma Statistically significant change for better from the first to the last period shown