## Appendix 1: Care Coordination Strategies

| Predictive Analytics | Use of predictive analytic tools to identify individual patients at high risk <br> for poor outcomes or extraordinary resource use |
| :--- | :--- |
| Medication <br> Reconciliation | Medication reconciliation as part of an established plan of care |
| Hospitalists | Hospitalists for medical/surgical inpatients |
| Visit Summaries | Provision of visit summaries to patients as part of all outpatient encounters <br> and scheduling of follow up visit and/or specialty referrals at the time of the <br> initial encounter |
| Outreach after <br> Discharge | Telephonic outreach to discharged patients within 72 hours of discharge |
| Home Visits | Arrangement of home visits by physicians, advanced practice nurses, or <br> other professionals for homebound and complex patients for whom office <br> visits constitute a physical hardship |
| Prospective Patient <br> Management | Prospective management of patients at high risk for poor outcomes or <br> extraordinary resource use by experienced case managers |
| Discharge Care Plans | Post-hospital discharge continuity of care program with scaled <br> intensiveness based upon a severity or risk profile for adult medical- <br> surgical patients in defined diagnostic categories or severity profiles |
| Outpatient Follow-up | Assignment of case managers for outpatient follow-up to patients at risk for <br> hospital admission or readmission |
| Chronic Care <br> Management | Chronic care management processes or programs to manage patients with <br> high volume, high cost chronic diseases |
| Disease Management <br> Programs | Disease management programs for one or more chronic care conditions <br> (e.g., asthma, diabetes, COPD) |
| Nurse Case Manager | Nurse case managers whose primary job is to improve the quality of <br> outpatient care for patients with chronic diseases (e.g., asthma, CHF, <br> depression, diabetes) |

Data Source: 2015 American Hospital Association (AHA) Survey of Care Systems and Payment TM

Appendix 2. State Variation in AHA Survey of Care Systems and Payment Participation and Overall Hospital Rating Program Performance ${ }^{\text {a }}$

|  | Number of Star Rated Hospitals | Percent of Star <br> Rated Hospitals <br> Participating in Survey | Percent of State that Received 1-3 Stars | Percent of State that Received 4-5 Stars | Percent of 1-3 <br> Star Rated <br> Participating in Survey | Percent of 4-5 <br> Star Rated <br> Participating in Survey | pvalue |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AK | 8 | 50\% | 100\% | 0\% | 100\% | 0\% | n/a |
| AL | 78 | 9\% | 79\% | 21\% | 57\% | 43\% | 0.125 |
| AR | 41 | 24\% | 90\% | 10\% | 90\% | 10\% | 0.976 |
| AZ | 50 | 10\% | 76\% | 24\% | 60\% | 40\% | 0.377 |
| CA | 273 | 19\% | 80\% | 20\% | 75\% | 25\% | 0.294 |
| CO | 43 | 19\% | 51\% | 49\% | 38\% | 63\% | 0.391 |
| CT | 27 | 37\% | 96\% | 4\% | 90\% | 10\% | 0.184 |
| DC | 7 | 29\% | 100\% | 0\% | 100\% | 0\% | n/a |
| DE | 5 | 60\% | 40\% | 60\% | 0\% | 100\% | 0.025* |
| FL | 164 | 21\% | 88\% | 12\% | 91\% | 9\% | 0.460 |
| GA | 95 | 17\% | 84\% | 16\% | 88\% | 13\% | 0.692 |
| GU | 1 | 0\% | 100\% | 0\% | No Participants | No Participants | n//a |
| HI | 12 | 25\% | 58\% | 42\% | 33\% | 67\% | 0.310 |
| IA | 34 | 38\% | 62\% | 38\% | 62\% | 38\% | 0.983 |
| ID | 10 | 40\% | 60\% | 40\% | 50\% | 50\% | 0.598 |
| IL | 123 | 40\% | 72\% | 28\% | 63\% | 37\% | 0.067 |
| IN | 73 | 27\% | 45\% | 55\% | 50\% | 50\% | 0.613 |
| KS | 39 | 26\% | 64\% | 36\% | 60\% | 40\% | 0.754 |
| KY | 63 | 22\% | 79\% | 21\% | 71\% | 29\% | 0.405 |
| LA | 67 | 16\% | 73\% | 27\% | 82\% | 18\% | 0.477 |
| MA | 52 | 29\% | 75\% | 25\% | 80\% | 20\% | 0.596 |
| ME | 17 | 47\% | 53\% | 47\% | 63\% | 38\% | 0.457 |
| MI | 85 | 35\% | 64\% | 36\% | 73\% | 27\% | 0.165 |
| MN | 48 | 13\% | 48\% | 52\% | 50\% | 50\% | 0.913 |
| MO | 72 | 25\% | 78\% | 22\% | 89\% | 11\% | 0.190 |
| MS | 52 | 10\% | 85\% | 15\% | 60\% | 40\% | 0.109 |
| MT | 10 | 10\% | 50\% | 50\% | 0\% | 100\% | 0.292 |
| NC | 79 | 29\% | 77\% | 23\% | 70\% | 30\% | 0.299 |
| ND | 6 | 50\% | 67\% | 33\% | 67\% | 33\% | 1 |
| NE | 18 | 17\% | 78\% | 22\% | 100\% | 0\% | 0.310 |
| NH | 13 | 38\% | 38\% | 62\% | 20\% | 80\% | 0.279 |
| NJ | 62 | 39\% | 85\% | 15\% | 79\% | 21\% | 0.262 |
| NM | 26 | 8\% | 88\% | 12\% | 100\% | 0\% | 0.595 |
| NV | 19 | 11\% | 95\% | 5\% | 100\% | 0\% | 0.725 |
| NY | 142 | 39\% | 92\% | 8\% | 91\% | 9\% | 0.869 |
| OH | 114 | 24\% | 52\% | 48\% | 48\% | 52\% | 0.668 |
| OK | 68 | 13\% | 81\% | 19\% | 78\% | 22\% | 0.799 |


| OR | 34 | 21\% | 76\% | 24\% | 86\% | 14\% | 0.518 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PA | 135 | 30\% | 71\% | 29\% | 76\% | 24\% | 0.466 |
| PR | 9 | 0\% | 100\% | 0\% | No Participants | No Participants | n/a |
| RI | 10 | 20\% | 70\% | 30\% | 50\% | 50\% | 0.490 |
| SC | 50 | 16\% | 62\% | 38\% | 75\% | 25\% | 0.409 |
| SD | 11 | 27\% | 18\% | 82\% | 0\% | 100\% | 0.338 |
| TN | 86 | 9\% | 84\% | 16\% | 88\% | 13\% | 0.761 |
| TX | 239 | 22\% | 67\% | 33\% | 70\% | 30\% | 0.667 |
| UT | 27 | 15\% | 52\% | 48\% | 25\% | 75\% | 0.244 |
| VA | 73 | 27\% | 78\% | 22\% | 75\% | 25\% | 0.696 |
| VI | 2 | 0\% | 100\% | 0\% | No Participants | No Participants | n/a |
| VT | 6 | 50\% | $33 \%$ | 67\% | 0\% | 100\% | 0.083 |
| WA | 48 | 23\% | 83\% | 17\% | 64\% | 36\% | 0.046* |
| WI | 62 | 40\% | 39\% | 61\% | 40\% | 60\% | 0.864 |
| WV | 28 | $32 \%$ | 96\% | 4\% | 100\% | 0\% | 0.483 |
| WY | 9 | 33\% | 78\% | 22\% | 67\% | $33 \%$ | 0.571 |
| Total | 2925 | 24\% | 74\% | 26\% | 71\% | 29\% | 0.076 |

a. $\quad$ p $<0.05, * * \mathrm{p}<0.01, * * * \mathrm{p}<0.001$

## Appendix 3. Distribution of Number of Hospitals by Number of Care Coordination Strategies

 Implemented ${ }^{\text {a }}$
a. The percentages are the percentage of high rated and low rated hospitals for each care coordination strategy category.

