**Appendix Figure. Diagnosis-Specific Seven-Day Risk Adjusted PPR and AC rates over time**Conditions with a high percentage of AC readmissions classified as PPR are displayed in panels A-F:
A. appendectomy (APR-DRG 225), connective tissue disorders (APR-DRG 346), ventricular shunt procedures (APR-DRG 22), bronchiolitis (APR-DRG 138), asthma (APR-DRG 141), and sickle cell crisis (APR-DRG 662)
Conditions with a low percentage of AC readmissions classified as PPR are displayed in panels G-I:
G. gastrointestinal infections (APR-DRG 248), hematologic disease (APR-DRG 660), and bone marrow transplant(APR-DRG 3)

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**Quarter Number**

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**Quarter Number**

**Appendix Table 1: Hospital Characteristics (n = 66 hospitals)**

|  |  |
| --- | --- |
| Characteristics | Number (%)  |
| Hospital size  |   |
|  <100 beds | 4 (6.1) |
|  100-299 beds | 42 (63.6) |
|  ≥300 beds | 20 (30.3) |
| Freestanding Children’s Hospital | 41 (62.1) |
| Geographic Region |  |
|  Northeast | 11 (16.7) |
|  South | 27 (40.9) |
|  Midwest | 16 (24.2) |
|  West | 12 (18.2) |
| Magnet Nursing Designation | 44 (66.7) |

**Appendix Table 2: Patient Characteristics for Cohort by Year**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **2016\*** | ***P* value for change over time** |
| Hospital Admissions | 679,648 | 688,708 | 693,237 | 694,993 | 698,650 | 705,604 | 357,406 | 0.99 |
| % Neonate | 12% | 12% | 13% | 13% | 14% | 14% | 14% | 0.47 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |
| White | 49% | 49% | 48% | 48% | 48% | 47% | 47% | 0.95 |
| Black | 20% | 20% | 18% | 19% | 19% | 19% | 18% | 0.99 |
| Hispanic | 19% | 19% | 18% | 19% | 20% | 20% | 20% | 0.99 |
| Other | 12% | 12% | 16% | 14% | 14% | 14% | 15% | 0.54 |
| % Medicaid Insurance | 47% | 49% | 49% | 50% | 51% | 51% | 51% | 0.79 |
| Average Case Mix Index | 2.66 | 2.67 | 2.69 | 2.78 | 2.85 | 2.93 | 2.94 | 0.04 |

\*First two quarters