

What Predictive Analytics Can Tell Us About Key Drivers of MSSP Results: An Update to Pathways for Success
Appendix 1 - Top 25 ACO Characteristics

Rank	ACO Characteristic	Values Associated with Higher Gross Savings	Relative Importance¹
1	Regional Efficiency Factor BY3	Lower ACO costs relative to region	0.399
2	Change in Risk-Adjusted Per Capita Expenditures, BY1 to BY3	Lower trend from BY1 to BY3	0.215
3	Number of Participating Specialists per 1,000 Beneficiaries	Very low number of specialists	0.194
4	Minimum Savings Rate (%)	Lower minimum savings rate	0.156
5	Current Contract Track	Tracks with higher risk-sharing	0.153
6	Regional Efficiency Factor, BY1 through BY3 Average	Lower ACO costs relative to region	0.153
7	All-Cause Unplanned Admissions for Patients with Multiple Chronic Conditions (ACO38)	Lower rate of admissions	0.141
8	Date ACO Entered Downside Risk Track	Entered before 2019	0.124
9	Number of Participating Specialists	Very low number of specialists	0.105
10	Number of Participating Nurse Practitioners (NPs) per 1,000 Beneficiaries	Very low number of NPs	0.102
11	Change in Risk-Adjusted Per Capita Expenditures, BY2 to BY3	Lower trend from BY2 to BY3	0.095
12	Primary Care Services with a Primary Care Physician (PCP)	Higher number of services with PCP	0.094
13	Change in CMS HCC Risk Score (Aged/Non-Dual), BY3 to PY	Higher trend from BY3 to PY	0.071
14	High / Low Revenue ACO	Low revenue	0.065
15	Geographic Risk-Adjusted Per Capita Expenditures, BY3	Lower per capita expenditures	0.046
16	Number of Participating Nurse Practitioners	Very low number of NPs	0.044
17	Post-discharge Provider Visits (30 day)	Higher number of visits	0.037
18	Number of Participating Physician Assistants (PAs) per 1,000 Beneficiaries	Lower number of PAs	0.030
19	Change in CMS HCC Risk Score (Composite), BY3 to PY	Higher trend from BY3 to PY	0.028
20	Inpatient Rehabilitation Facility (IRF) Expenditures	Lower IRF expenditures	0.028
21	Risk Adjusted Per Capita Expenditures Aged/Non-Dual BY3	Lower per capita expenditures	0.026
22	Number of Medicare ACO contracts active in 2019	Higher number of Medicare ACO contracts	0.023
23	Number of tracks in which the ACO has participated	Higher number of distinct tracks	0.021
24	Number of Participating PCPs per 1,000 Beneficiaries	Higher number of PCPs	0.020
25	Composite Risk-Adjusted Per Capita Expenditures, BY3	Lower per capita expenditures	0.020

¹The relative importance roughly measures how much each ACO characteristic contributed to the predictive accuracy. The number represents the increase in error if the ACO characteristic was randomized (therefore, rendering it useless). The relative magnitude of each number is more important than the actual number itself.