

QBR MODELING WITH RY 2018 QBR DATA

Model A: RY 2018 (Preliminary) Scores

Model B: RY 2018 Time Periods with RY 2020 Measures

Model C: RY 2018 Time Periods with RY 2020 measures *and* ED Modeling

TOTAL SCORE = 0.50 (HCAHPS SCORE) + 0.15 (CLINICAL CARE/OUTCOME MORTALITY SCORE) +0.35 (SAFETY SCORE)

Hospital ID	Hospital Name	Model A				Model B				Model C		A to C Difference	
		HCAHPS Final Score	Mortality Final Score	Safety Final Score	Total Score	HCAHPS Final Score (Remove Pain MGMT)	Mortality Final Score - Modeled	Safety Final Score	Total Score	HCAHPS Final Score (w/ ED)	Total Score	HCAHPS Difference	Total Score Difference
210023	Anne Arundel	0.3636	0.8	0.35	0.4243	0.37	0.1	0.3500	0.3225	0.3083	0.2917	-0.0553	-0.1326
210028	MedStar St. Mary's	0.2818	1	0.3333	0.4076	0.29	0.4	0.3333	0.3217	0.2417	0.2975	-0.0401	-0.1101
210030	UM-Chestertown	0.0909	0.4	.	0.162	0.1	0	.	0.0770	0.0833	0.0642	-0.0076	-0.0978
210002	UMMC	0.2	1	0.2333	0.3317	0.22	0.4	0.2333	0.2517	0.2000	0.2417	0.0000	-0.0900
210010	UM-Dorchester	0.1182	1	0.3333	0.3258	0.13	0.3	0.3333	0.2267	0.1500	0.2367	0.0318	-0.0891
210037	UM-Easton	0.1182	0.7	0.3333	0.2808	0.13	0	0.3333	0.1817	0.1500	0.1917	0.0318	-0.0891
210057	Shady Grove	0.2091	0.6	0.4333	0.3462	0.22	0.1	0.4333	0.2767	0.1833	0.2583	-0.0258	-0.0879
210043	UM-BWMC	0.2	0.7	0.3	0.31	0.19	0.3	0.3000	0.2450	0.1727	0.2364	-0.0273	-0.0736
210006	UM-Harford	0.0818	1	0.3	0.2959	0.09	0.6	0.3000	0.2400	0.0750	0.2325	-0.0068	-0.0634
210008	Mercy	0.3636	0.2	0.5833	0.416	0.38	0	0.5833	0.3942	0.3167	0.3625	-0.0469	-0.0535
210063	UM-St. Joe	0.5273	1	0.5333	0.6003	0.52	1	0.5333	0.5967	0.4333	0.5533	-0.0940	-0.0470
210027	Western Maryland	0.2545	0.9	0.1333	0.3089	0.28	0.4	0.1333	0.2467	0.3167	0.2650	0.0622	-0.0439
210029	JH Bayview	0.1182	0.6	0.3833	0.2833	0.13	0.4	0.3833	0.2592	0.1083	0.2483	-0.0099	-0.0350
210016	Washington Adventist	0.1727	0.5	0.45	0.3189	0.19	0.3	0.4500	0.2975	0.1900	0.2975	0.0173	-0.0214
210009	Johns Hopkins	0.4	1	0.3167	0.4608	0.44	0.7	0.3167	0.4358	0.4500	0.4408	0.0500	-0.0200
210049	UM-Upper Chesapeake	0.1636	1	0.2167	0.3077	0.2	0.5	0.2167	0.2508	0.2750	0.2883	0.1114	-0.0194
210001	Meritus	0.2182	0.5	0.2333	0.2658	0.22	0.5	0.2333	0.2667	0.1833	0.2483	-0.0349	-0.0175
210051	Doctors	0.1091	0.5	0.7	0.3745	0.13	0.4	0.7000	0.3700	0.1083	0.3592	-0.0008	-0.0153
210011	St. Agnes	0.1273	0.7	0.2667	0.262	0.14	0.4	0.2667	0.2233	0.2000	0.2533	0.0727	-0.0087
210039	Calvert	0.1818	1	0.5	0.4159	0.2	1	0.5000	0.4250	0.1667	0.4083	-0.0151	-0.0076
210018	MedStar Montgomery	0.1545	0.6	0.7333	0.4239	0.17	0.6	0.7333	0.4317	0.1417	0.4175	-0.0128	-0.0064
210038	UMMC Midtown	0.1182	0.8	0.425	0.3278	0.13	0.8	0.4250	0.3338	0.1083	0.3229	-0.0099	-0.0049
210033	Carroll	0.1091	1	0.5	0.3795	0.12	1	0.5000	0.3850	0.1000	0.3750	-0.0091	-0.0045
210055	Laurel Regional	0.0545	0.2	0.15	0.1098	0.06	0.2	0.1500	0.1125	0.0500	0.1075	-0.0045	-0.0023
210013	Bon Secours	0.0909	0	0.2	0.1155	0.05	0	0.2000	0.0950	0.1000	0.1200	0.0091	0.0045
210062	MedStar Southern MD	0.1091	0.1	0.2333	0.1512	0.11	0	0.2333	0.1367	0.1500	0.1567	0.0409	0.0055
210032	Union of Cecil	0.2273	0.9	0.35	0.3711	0.25	1	0.3500	0.3975	0.2083	0.3767	-0.0190	0.0056
210048	Howard County	0.1636	0.9	0.4833	0.386	0.18	1	0.4833	0.4092	0.1500	0.3942	-0.0136	0.0082
210012	Sinai	0.2182	0.5	0.2833	0.2833	0.23	0.7	0.2833	0.3192	0.1917	0.3000	-0.0265	0.0167
210003	PG Hospital	0.0182	0	0.4833	0.1783	0.02	0.1	0.4833	0.1942	0.0250	0.1967	0.0068	0.0184
210022	Suburban	0.3636	0.6	0.44	0.4258	0.37	0.7	0.4400	0.4440	0.3750	0.4465	0.0114	0.0207

QBR MODELING WITH RY 2018 QBR DATA

Model A: RY 2018 (Preliminary) Scores

Model B: RY 2018 Time Periods with RY 2020 Measures

Model C: RY 2018 Time Periods with RY 2020 measures *and* ED Modeling

TOTAL SCORE = 0.50 (HCAHPS SCORE) + 0.15 (CLINICAL CARE/OUTCOME MORTALITY SCORE) +0.35 (SAFETY SCORE)

Hospital ID	Hospital Name	Model A				Model B				Model C		A to C Difference	
		HCAHPS Final Score	Mortality Final Score	Safety Final Score	Total Score	HCAHPS Final Score (Remove Pain MGMT)	Mortality Final Score - Modeled	Safety Final Score	Total Score	HCAHPS Final Score (w/ ED)	Total Score	HCAHPS Difference	Total Score Difference
210044	GBMC	0.2091	0.8	0.2667	0.3179	0.23	1	0.2667	0.3583	0.1917	0.3392	-0.0174	0.0213
210034	MedStar Harbor	0.1364	0.5	0.5333	0.3298	0.16	0.7	0.5333	0.3717	0.1333	0.3583	-0.0031	0.0285
210017	Garrett	0.3273	0.5	.	0.367	0.34	0.5	.	0.3768	0.3667	0.3973	0.0394	0.0303
210005	Frederick	0.2636	1	0.2333	0.3635	0.29	1	0.2333	0.3767	0.3250	0.3942	0.0614	0.0307
210024	MedStar Union Mem	0.3182	0.4	0.22	0.2961	0.35	0.7	0.2200	0.3570	0.2917	0.3278	-0.0265	0.0317
210004	Holy Cross	0.1273	0.5	0.3167	0.2495	0.14	0.9	0.3167	0.3158	0.1167	0.3042	-0.0106	0.0547
210019	Peninsula	0.3818	0.3	0.4	0.3759	0.42	0.5	0.4000	0.4250	0.4333	0.4317	0.0515	0.0558
210035	UM-Charles Regional	0.0818	0.7	0.4667	0.3092	0.11	0.5	0.4667	0.2933	0.2583	0.3675	0.1765	0.0583
210056	MedStar Good Sam	0.1182	0	0.28	0.1571	0.13	0.5	0.2800	0.2380	0.1083	0.2272	-0.0099	0.0701
210061	Atlantic General	0.2273	0.9	0.575	0.4499	0.21	1	0.5750	0.4563	0.3417	0.5221	0.1144	0.0722
210015	MedStar Fr Square	0.1182	0.4	0.4333	0.2708	0.13	1	0.4333	0.3667	0.1083	0.3558	-0.0099	0.0850
210040	Northwest	0.4545	0.4	0.38	0.4203	0.45	1	0.3800	0.5080	0.5083	0.5372	0.0538	0.1169
210060	Ft. Washington	0.1545	0.6	.	0.257	0.17	0.6	.	0.2689	0.3083	0.3754	0.1538	0.1184

In moving to RY 2020 measures,

- 40 hospitals improve **HCAHPS** with removal of Pain Management measures; 5 hospitals decrease HCAHPS. (average domain improvement is 1.23%)
- 17 hospitals improve **HCAHPS** with addition of ED Wait Time measures; 26 hospitals decrease HCAHPS; 1 hospital maintains same HCAHPS score (average domain decrease is 0.65%)
- 14 hospitals improve **Mortality** with PC model; 19 hospitals decrease Mortality; 12 maintain same mortality score (average domain decrease is 8.67%)
- 24 hospitals improve **QBR Score** with RY 2020 measures; 21 hospitals decrease QBR score. (Average total score impact is 0.73% decrease).