

Appendix 1. Influence of baseline characteristics on total bacterial, Gram-positive and Gram-negative sterile site infections

Predictor	Sterile Site Bacterial Infection during protocol therapy (N=612)				Gram-Positive Sterile Site Bacterial Infection (N=512)			Gram-Negative Sterile Site Bacterial Infection (N=78)		
	N	IRR	95% CI	P-value	IRR	95% CI	P-value	IRR	95% CI	P-value
Demographics										
Age (years)										
0-1	180	0.88	0.76 – 1.00	0.058	0.89	0.75 – 1.06	0.200	1.14	0.66 – 1.95	0.641
2-16	614	REF			REF			REF		
≥17	89	1.01	0.86 – 1.19	0.897	0.85	0.68 – 1.05	0.135	0.79	0.36 – 1.72	0.546
Race										
Caucasian	631	REF			REF			REF		
Asian	45	0.94	0.74 – 1.19	0.587	0.94	0.70 – 1.28	0.714	0.94	0.34 – 2.59	0.905
African American	103	1.18	1.01 – 1.37	0.035	1.18	0.98 – 1.43	0.089	1.16	0.61 – 2.20	0.655
Other/Unknown	104	1.07	0.92 – 1.24	0.409	1.16	0.96 – 1.39	0.122	0.86	0.43 – 1.73	0.668
Weight group*										
Underweight	64	1.13	0.94 – 1.36	0.201	1.00	0.78 – 1.28	0.991	0.91	0.36 – 2.28	0.843
Middleweight	576	REF			REF			REF		
Overweight	136	1.27	1.12 – 1.45	<0.001	1.26	1.07 – 1.48	0.006	1.23	0.69 – 2.18	0.483

* See methods for details of weight group

Abbreviations: IRR, incidence rate ratio; CI, confidence interval; REF, reference

Appendix 2. Influence of baseline characteristics on *Clostridium difficile* and sterile site fungal infections

Predictor	<i>Clostridium difficile</i> Infection (N=123)				Sterile Site Fungal Infection (N=49)		
	N	IRR	95% CI	P-value	IRR	95% CI	P-value
Demographics							
Age (years)							
0-1	180	0.60	0.37 – 0.96	0.035	1.08	0.52 – 2.25	0.839
2-16	614	REF			REF		
≥17	89	0.69	0.39 – 1.21	0.193	2.01	1.00 – 4.08	0.052
Race							
Caucasian	631	REF			REF		
Asian	45	0.37	0.12 – 1.18	0.093	1.47	0.53 – 4.12	0.463
African American	103	1.00	0.61 – 1.65	0.985	0.99	0.42 – 2.33	0.977
Other/Unknown	104	1.32	0.86 – 2.01	0.207	0.60	0.21 – 1.67	0.325
Weight group*							
Underweight	64	1.48	0.90 – 2.44	0.120	1.44	0.56 – 3.68	0.451
Middleweight	576	REF			REF		
Overweight	136	0.89	0.57 – 1.38	0.598	1.42	0.72 – 2.81	0.315

* See methods for details of weight group

Abbreviations: IRR, incidence rate ratio; CI, confidence interval; REF, reference

Appendix 3. Influence of baseline characteristics on non-relapse related mortality (N=28)

Predictor	N	HR	95% CI	P-value
Demographics				
Age (years)				
0-1	180	1.08	0.40 – 2.91	0.876
2-16	614	REF		
≥17	89	1.53	0.52 – 4.48	0.443
Race				
Caucasian	631	REF		
Asian	45	2.02	0.46 – 8.90	0.352
African American	103	3.45	1.45 – 8.24	0.005
Other/Unknown	104	1.54	0.51 – 4.69	0.446
Weight group**				
Underweight	64	0.67	0.09 – 5.06	0.696
Middleweight	576	REF		
Overweight	136	2.16	0.92 – 5.11	0.078

* Risk of any death during induction on or after day 10 of Induction 1 or death without relapse or progressive disease during intensification. Patients censored at conditioning for stem cell transplantation;

** See methods for details of weight group

Abbreviations: HR, hazards ratio; CI, confidence interval; REF, reference