

SUPPLEMENTARY MATERIAL

Post-Infusion Costs over 2 Years Following Treatment with Idecabtagene Vicleucel (Ide-cel; bb2121) for Patients with Relapsed/Refractory Multiple Myeloma in the KarMMa Trial

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Table S1 HCRU services and unit costs [1–6]

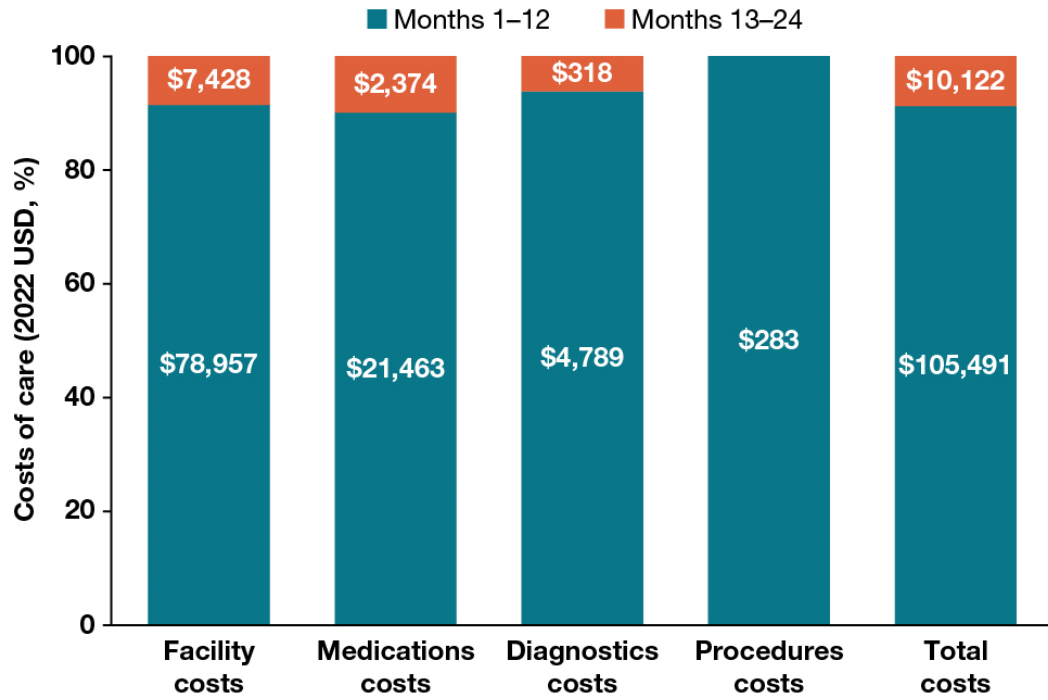
HCRU	Source	Cost
Diagnostics		
CT scan w/ contrast - Office (Payment)	CMS PFS 2022 (non-facility TC)	\$119.74
CT scan w/ contrast - Office (Payment)	CMS PFS 2022 (26; phys. comp)	\$63.24
CT scan w/ contrast - HOPD (Payment)	CMS OPPS 2022 (TC; APC)	\$185.11
MRI scan w/contrast - Office (Payment)	CMS PFS 2022 (non-facility TC)	\$237.47
MRI scan w/contrast - Office (Payment)	CMS PFS 2022 (26; phys. comp)	\$99.84
MRI scan w/contrast - HOPD (Payment)	CMS OPPS 2022 (TC; APC)	\$382.98
PET scan w/ contrast - Office (Payment)	CMS PFS 2022 (non-facility TC)	\$1,511.60
PET scan w/ contrast - Office (Payment)	CMS PFS 2022 (26; phys. comp)	\$80.36
PET scan w/ contrast - HOPD (Payment)	CMS OPPS 2022 (TC; APC) per PFS	\$513.43
EEG - Office (Payment)	CMS PFS 2022 (non-facility TC)	\$463.01
EEG - Office (Payment)	CMS PFS 2022 (26; phys. comp)	\$66.43
EEG - HOPD (Payment)	CMS OPPS 2022 (TC; APC)	\$312.13
ECG/EKG - Office (Payment)	CMS PFS 2022 (non-facility)	\$16.71
ECG/EKG - Office (Payment)	CMS PFS 2022 (facility)	\$17.30
ECG/EKG - HOPD (Payment)	CMS OPPS 2022 (TC; APC)	\$27.30
Tumor biopsy - Office (Payment)	CMS PFS 2022 (non-facility TC)	\$39.78
Tumor biopsy - Office (Payment)	CMS PFS 2022 (26; phys. comp)	\$42.97
Tumor biopsy - HOPD (Payment)	CMS OPPS 2022 (TC; APC)	\$51.88
Laboratory tests		
Comprehensive metabolic panel - Office (Payment)	CMS 2022 Lab Fee Schedule	\$12.14
C-reactive protein lab - Office (Payment)	CMS 2022 Lab Fee Schedule	\$14.89
Ferritin lab - Office (Payment)	CMS 2022 Lab Fee Schedule	\$15.67
Coagulation panel - Office (Payment)	CMS 2022 Lab Fee Schedule	\$6.91
Complete blood count - Office (Payment)	CMS 2022 Lab Fee Schedule	\$8.93
Cerebral spinal fluid lab - Office (Payment)	CMS 2022 Lab Fee Schedule	\$19.77

Immunoglobulin panel - Office (Payment)	CMS 2022 Lab Fee Schedule	\$10.69
Cytokine panel - Office (Payment)	CMS 2022 Lab Fee Schedule	\$19.85
Other HCRU		
Oxygen supplementation	CMS DME Fee Schedule	\$126.54/month
Red blood cell transfusion	CMS OPPS 2022	\$38.36
Mechanical ventilation	Dasta et al. (2005) [1]	\$2875/day ^a
Dialysis	CMS OPPS 2022	\$672/day
Hospital outpatient care	CMS OPPS 2022	\$122
Inpatient	HCUP 2018	\$2943.79/day ^a
ICU	Dasta et al. (2005) [1]	\$9347.30/day

APC ambulatory payment classification; *CMS* Centers for Medicare & Medicaid Services; *CT* computed tomography; *ECG/EKG* electrocardiogram; *EEG* electroencephalography; *HCUP* Healthcare Cost and Utilization Project; *HOPD* hospital outpatient department; *ICU* intensive care unit; *MRI* magnetic resonance imaging; *OPPS* Outpatient Prospective Payment System; *PET* positron emission tomography; *PFS* Physician Fee Schedule; *TC* technical component

^aValues reflect the adjusted 2022 costs

Fig. S1 Proportion of costs for Months 1–12 vs. Months 13–24.



USD United States dollar

References

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6. Agency for Healthcare Research and Quality (AHRQ). Healthcare cost and utilization project (HCUP). <https://www.hcup-us.ahrq.gov>. Accessed February 3, 2023.