# **Real-World** Characteristics, **Treatment Patterns**, and Safety Outcomes in Black Patients With Multiple Myeloma **Treated With Teclistamab:** A National **Claims Database Study**

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# Introduction

- Multiple myeloma (MM) is twice as prevalent among Black individuals as in White Americans in the United States (US).<sup>1</sup> Compared to patients of European descent, Black patients with MM are 2 times more likely to be diagnosed with MM and to have a higher mortality rate.<sup>1-3</sup>
- Additionally, prior evidence demonstrated disparities in access to innovative therapies and underrepresentation in clinical trials for Black patients with MM<sup>4</sup> Teclistamab, a first-in-class B-cell maturation antigen (BCMA) x CD3 bispecific antibody, was approved to treat patients with relapsed/refractory MM through
- the pivotal MajesTEC-1 trial, which included 21 (12.7%) Black patients<sup>5,6</sup> In the real-world, recent literature demonstrated higher percentages of Black patients with MM receiving teclistamab as compared numerically to the
- percentage of Black patients enrolled in the MajesTEC-1 trial.<sup>7,8</sup> Furthermore, a cross-sectional analysis of patients with newly diagnosed MM in 2021, using the All-payer Real-world Multiple Myeloma Research-ready Data (ARMMRD) registry, found that 14.7% were Black race<sup>9</sup>
- To date, no known real-world study has sought to understand access and outcomes for Black patients with MM receiving teclistamab in the real-world

# Objective

To understand access and outcomes for Black patients with MM, we sought to describe patient characteristics, treatment patterns, and safety outcomes

# Results

# **Demographics**

- A total of 754 patients with  $\geq 1$  claim for teclistamab were included in the study (Figure 1). 86 (14.9%) were Black, similar to the proportion of Black patients in the database with newly diagnosed myeloma (16.0%), and 492 (85.1%) were other races (White: 471 [95.7%]; Asian: 21 [4.3%]). Patient demographics are summarized in **Table 1**
- The majority of patients in other races were White (95.7%) with the remaining being Asian (4.3%)
- The median (range) age of all included patients was 71 (31-85) years; similar median age was seen in both the Black patients and patients of other races. However, a higher proportion of Black patients were aged <65 years than patients of other races
- Compared numerically to patients of other races, higher percentages of Black patients were from the Northeast (31.4% vs 18.5%) or the South (39.5% vs 28.9%), and covered by Medicaid (22.1% vs 7.9%); a lower percentage of Black patients were covered by Medicare Fee-For-Service (45.3% vs 67.5%) or had a commercial health plan (10.5% vs 15.0%) than patients of other races

# Figure 1: Study population

	ed in the ARMMRD registry: N = 375,539
	★
	aim for teclistamab during the identification period 2 to January 31, 2024): n = 1,171
	<b>↓</b>
Patients with ≥1 diagnosis claim for MM in	any position at any time prior to or on the index date: $n = 1,169$
	<b>↓</b>
Patients aged ≥	r18 years on the index date: n = 1,169
	<b>↓</b>
	le with both pharmaceutical and medical benefits ior to the index date: n = 757
	Exclude patients with an index date on or before the date of teclistamab approval in the US (October 25, 2022): n = 3
Patients in	the study population:
	n = 754
Black patients: n = 86 (14.9%)	Other races: n = 492 (85.1%)

Abbreviations: ARMMRD, All-payer Real-world Multiple Myeloma Research-ready Data

# TABLE 1: Demographics of patients with MM treated with teclistamab

	Overall N = 754ª	Black N = 86	Other races N = 492 <sup>b</sup>
Age, years	-	-	-
Median (IQR)	71 (13)	69 (14)	69 (14)
Min, max	31, 85	47, 84	31, 85
Age categories, years, n (?	%)		
<65	209 (27.7)	33 (38.4)	116 (23.6)
65 to 70	133 (17.6)	12 (14.0)	90 (18.3)
70 to 75	167 (22.1)	15 (17.4)	117 (23.8)
≥75	245 (32.5)	26 (30.2)	169 (34.3)
Sex, n (%)			
Male	388 (51.5)	38 (44.2)	254 (51.6)
Female	366 (48.5)	48 (55.8)	238 (48.4)
Race, n (%) of patients wit	h race information	n available	
White	471 (81.5)	0 (0)	471 (95.7)
Black	86 (14.9)	86 (100)	0 (0)
Asian	21 (3.6)	0 (0)	21 (4.3)
Ethnicity, n (%) of patients	s with ethnicity inf	ormation availabl	e
Hispanic	78 (14.4)	11 (14.1)	67 (15.0)
Non-Hispanic	464 (85.6)	67 (85.9)	379 (85.0)
Region			
Northeast	149 (19.8)	27 (31.4)	91 (18.5)
Midwest	203 (26.9)	22 (25.6)	148 (30.1)
South	235 (31.2)	34 (39.5)	142 (28.9)
West	167 (22.1)	3 (3.5)	111 (22.6)
Payer type, n (%)			
Commercial	107 (14.2)	9 (10.5)	74 (15.0)
Medicaid	90 (11.9)	19 (22.1)	39 (7.9)
Medicare FFS	467 (61.9)	39 (45.3)	332 (67.5)
Medicare Advantage	89 (11.8)	19 (22.1)	46 (9.3)
Other insurance	1 (<1)	0 (0)	1 (<1)

Abbreviations: FFS, fee-for-service; IQR, interguartile range. <sup>a</sup>Includes patients with missing race information.

# References

Includes all other known races.

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## Methods

## Study population

- Adult patients (≥18 years of age) with MM who had ≥1 teclistamab claim in the ARMMRD registry between October 26, 2022, and January 31, 2024 (the identification period) were included in this study (Figure 1)
- The index date was defined as the date of the earliest outpatient claim of a teclistamab 30 mg/3 mL vial or the admission date of the earliest hospitalization encounter that contained teclistamab
- Patients were required to have continuous eligibility in pharmacy and medical benefit for  $\geq 6$  months prior to index date (pre-index period)
- excluded

## **Cohort identification**

as having a complete step-up dosing (SUD) period:

**Patient clinical characteristics** 

- The mean (SD) Quan-Charlson Comorbidity Index (QCI) score was 4.1 (3.8), excluding MM, for the overall patient population; the mean QCI score was higher for Black patients than for patients of other races (4.9 vs 3.9) (Table 2)
- Compared numerically to patients of other races, Black patients had a higher prevalence of baseline comorbidities, including hypertension, anemia, infections, renal impairment/failure, any malignancy, metastatic solid tumor, chronic pulmonary disease, and osteoarthritis (**Table 2**)

 
 TABLE 2: Baseline clinical characteristics of patients with MM treated
 with teclistamab

	Overall N = 754ª	Black N = 86	Other races N = 492⁵
QCI score			
Mean (SD)	4.1 (3.8)	4.9 (3.8)	3.9 (3.7)
Median (IQR)	3 (5)	4 (5)	3 (5)
Min, max	0, 17	0, 14	0, 16
QCI categorical scores, n (%)			
0	167 (22.1)	8 (9.3)	119 (24.2)
1	63 (8.4)	6 (7.0)	43 (8.7)
2	118 (15.6)	18 (20.9)	68 (13.8)
≥3	406 (53.8)	54 (62.8)	262 (53.3)
Key relevant comorbidities an	d conditions o	f interest, n (%	%)
Hypertension	460 (61.0)	64 (74.4)	299 (60.8)
Anemia	439 (58.2)	62 (72.1)	283 (57.5)
Infections <sup>c</sup>	331 (43.9)	43 (50.0)	217 (44.1)
Renal impairment/failure <sup>d</sup>	318 (42.2)	42 (48.8)	203 (41.3)
Peripheral neuropathy	284 (37.7)	31 (36.0)	192 (39.0)
Hypogammaglobulinemia	203 (26.9)	15 (17.4)	141 (28.7)
Metastatic solid tumor	201 (26.7)	26 (30.2)	129 (26.2)
Any malignancy <sup>e</sup>	198 (26.3)	25 (29.1)	127 (25.8)
Lytic bone lesions	184 (24.4)	24 (27.9)	115 (23.4)
Congestive heart failure	166 (22.0)	24 (27.9)	107 (21.7)
Chronic pulmonary disease	150 (19.9)	25 (29.1)	93 (18.9)
Neutropenia	144 (19.1)	20 (23.3)	95 (19.3)
Osteoarthritis	139 (18.4)	22 (25.6)	82 (16.7)
Hypercalcemia	100 (13.3)	11 (12.8)	73 (14.8)
Lymphocytopenia	85 (11.3)	11 (12.8)	55 (11.2)
COPD	66 (8.8)	14 (16.3)	42 (8.5)
Extramedullary disease	31 (4.1)	4 (4.7)	19 (3.9)
Abbreviations: COPD, chronic obstructiv Charlson Comorbidity Index; SD, standar Includes patients with missing race info Includes patients of all other known rac Includes COVID-19, pneumonia, upper re nepatitis B or C, <i>C. difficile</i> infection, bac tuberculosis. Includes all stage chronic kidney disease kidney failure.	rd deviation. rmation. es. espiratory tract inf cteremia, pneumoc e, dialysis, end-stag	ection, sinusitis, fu ystic jiroveci pneu ge renal disease, ki	ungal infections, monia, and

### **Treatment history**

- Of the 236 patients with evaluable treatment history, 36 (15.3%) had prior patients of other races (15.8%) (**Table 3**)
- HRU during SUD
- teclistamab-related hospitalization during the SUD period
- versus patients of other races

# in Black patients with MM receiving teclistamab in the real-world

We performed a retrospective observational cohort study using de-identified data from the ARMMRD registry, derived from the STATinMED RWD Insights all-payer claims data (covering approximately 87% of the insured population in the US) from January 1, 2014, to January 31, 2024 (the study period)

- Patients who received teclistamab before or on October 25, 2022, were
- Patients in the ARMMRD registry who met the following criteria were defined

exposure to BCMA-targeted therapy; the percentage of patients with prior BCMA exposure was comparable between Black patients (16.1%) and

• Fewer Black patients received prior stem cell transplantation (SCT) compared to patients of other races (35.5% vs. 45.5%)

• Of 384 patients with observed complete SUD by data cutoff, 297 (77.3%) completed teclistamab SUD in 1 inpatient admission. Of 87 patients with >1 encounter during SUD, 3 (3.4%) were all inpatient admissions, 19 (21.8%) were all outpatient admissions, and 65 (74.7%) were hybrid inpatient/ outpatient admissions with 63/65 (96.9%) initial encounters being inpatient admissions versus 2 initial encounters that were outpatient • Among 44 Black patients with observed complete SUD, 43 (97.7%) had ≥1 teclistamab-related hospitalization during the SUD period; among 257 patients of other races with observed complete SUD, 242 (94.2%) had ≥1 During SUD, Black patients had proportionally smaller ICU visits (n=2;

5% vs. n=48; 18.7%) and outpatient visits (n=20; 45.5% vs. n=152; 59.1%)

<ul> <li>Had ≥1 inpatient admission for a 30 mg/3 mL vial for inpatient) or claim date (in the SUD period</li> <li>All inpatient or outpatient between claims within a 2 rolled up as part of the S additional outpatient clais required unless an inpatien was observed</li> <li>The end date of the SUD encounter was an inpatien last encounter was an out</li> <li>Data analysis</li> <li>Three cohorts were described: ( patients with unknown race, (2)</li> <li>Demographics and clinical char 6-month pre-index period (the</li> <li>Treatment history was capture patients with ≥1 line of therapy</li> <li>Health resource utilization (HR syndrom (CRS) and immune effettion)</li> </ul>	t eclistamab; the if outpatient) was t claims for tech 21-day continuo UD period. If an im for a 153 mg/ ent admission control period was the ent admission, or tpatient claim f 1) overall patient Black patients, a racteristics wer baseline period ed using all avail (LOT) data avail (LOT) data avail	istamab with a sus enrollment period as the usen rollment period, cytol discharge date of the claim date or a 153 mg/1.7 mL vial for the claim date or a 1	esion date (if e start date of <5-day gap eriod were s outpatient, an eclistamab was amab if the last +4 days if the mL vial ch includes of other races r during the ents ata among MMRD registry kine release	<ul> <li>(ICANS) rates, and dosing schedule for teclistamab were evaluated in patients with a complete SUD period</li> <li>CRS was identified in 2 ways: (1) using the International Classification of Disease, 10th Revision, Clinical Modification (ICD-10-CM) codes and (2) using a published algorithm of CRS-related symptoms and treatment codes (Keating algorithm)<sup>10</sup></li> <li>ICANS was also identified in 2 ways: (1) using ICD-10-CM codes and (2) using ICD-10-CM symptom codes</li> <li>Baseline patient characteristics were analyzed descriptively. Mean and standard deviation (SD), median, and interquartile range (IQR) as well as minimum and maximum were reported for continuous variables; counts and percentages were reported for categorical variables</li> <li>Switching to a less-frequent dosing (LFD) schedule was defined as having ≥3 consecutive teclistamab records with a dose interval of ≥14 days between each dose</li> <li>Time to LFD was analyzed using Kaplan-Meier curves; patients were censored at the earliest date of the following: death, last activity, end of the study, or the initiation of a next LOT</li> </ul>
				Pool world CPS and ICANS during SUD
Table 3: Treatment history of patie	ents with MM t	reated with tec	listamab	<ul> <li>Real-world CRS and ICANS during SUD</li> <li>Of the 384 patients with a complete SUD period, 150 (39.1%) had</li> </ul>
	<b>Overall</b> <sup>a</sup>	Black	Other races <sup>b</sup>	≥1 CRS event per ICD-10-CM codes, and 128 (33.3%) per the Keating algorithm ( <b>Table 4</b> ). Most of the CRS events were low grade (26.0% grade 1;
Patients with prior LOT	N = 263	N = 37	N = 178	7.6% grade 2) or mild (26.0%)
information available, n (%)	236 (89.7)	31 (83.8)	165 (92.7)	<ul> <li>Compared to patients of other races, higher percentages of Black patients had ≥1 CRS event per both ICD-10-CM codes (40.9% vs 36.6%) and the</li> </ul>
Prior BCMA-directed therapies, n (%)°	36 (15.3)	5 (16.1)	26 (15.8)	Keating algorithm (40.9% vs 28.8%) with fever as the most common
CAR-T therapy (Abecma®,	19 (8.1)	3 (9.7)	14 (8.5)	<ul> <li>symptom related to CRS (27.3% vs 18.3%)</li> <li>The ICANS rates were comparable in Black patients (11.4%) and patients of</li> </ul>
Carvykti <sup>®</sup> ) Abecma <sup>®</sup>	. ,	. ,		other races (11.7%), and most of the ICANS events were grade 1 or 2
Carvykti®	1 (<1) 18 (7.6)	<u>1 (3.2)</u> 2 (6.5)	0 (0) 14 (8.5)	<ul> <li>Claims for tocilizumab were observed during the SUD period in a total of 28 patients (7.3%), including 3 Black patients (6.8%) and 16 patients of</li> </ul>
ADC (belantamab mafodotin)	21 (8.9)	3 (9.7)	15 (9.1)	other races (6.2%)
Stem cell transplantation, n (%) <sup>c</sup>	98 (41.5)	11 (35.5)	75 (45.5)	LFD schedule
Time from the end of the most rece Mean (SD)	194.4 (389.5)	233.2 (486.0)	195.8 (403.1)	<ul> <li>At a median follow-up of 15.7 weeks for Black patients and 13.9 weeks for patients of other races, post-SUD LFD was observed in 15 Black patients and</li> </ul>
Median (IQR)	40 ( <mark>148)</mark>	20 (180)	41 (133)	87 patients of other races
Duration of the most recent LOT, da	•		104.0 (100.7)	<ul> <li>The median time to LFD was 5.8 (IQR, 4.9–6.5) months in the overall patient population, 5.0 (2.6–6.6) months in Black patients, and 5.6 (4.9–6.5)</li> </ul>
Mean (SD) Median (IQR)	166.2 (184.8) 110 (148)	175.8 (177.5) 139 (119)	164.3 (188.7) 104 (145)	<ul> <li>months in patients of other races</li> <li>The probability of switching to LFD at 3, 6, and 9 months post-index was</li> </ul>
<sup>c</sup> Among patients with prior LOT information avai <b>Table 4: CRS and ICANS among pa</b>	ilable.			Figure 2 : Probability of LFD in (A) all patients and (B) Black patients versus patients of other races
	tients who com	pleted SUD		
	Overall	Black	Other races	95% Hall-Wellner band
rwCRS events per ICD-10 codes		Black	Other races N = 257 <sup>b</sup>	95% Hall-Wellner band
<b>rwCRS events per ICD-10 codes</b> Patients with ≥1 CRS event, n (%)	Overall	Black N = 44		95% Hall-Wellner band
Patients with ≥1 CRS event, n (%) Patients with grade 1 events, n (%)°	Overall N = 384 <sup>4</sup> 150 (39.1 100 (26.0	Black N = 44 ) 18 (40.9) ) 11 (25.0)	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6)	• 95% Hall-Wellner band • 95% Hall-Wellner band • 0.6 - • 0.4 -
Patients with ≥1 CRS event, n (%)	Overall           N = 384*           150 (39.1           100 (26.0           29 (7.6)	Black N = 44 ) 18 (40.9) ) 11 (25.0) 5 (11.4)	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6)	95% Hall-Wellner band
Patients with ≥1 CRS event, n (%) Patients with grade 1 events, n (%)° Patients with grade 2 events, n (%)° Patients with grade ≥3 events, n (%) Patients with CRS grade unknown of	Overall           N = 384*           150 (39.1           100 (26.0           29 (7.6)           5)°         3 (<1)	Black N = 44 ) 18 (40.9) ) 11 (25.0) 5 (11.4) 1 (2.3)	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1)	• 95% Hall-Wellner band • 95% Hall-Wellner band 0.4 0.2
Patients with ≥1 CRS event, n (%) Patients with grade 1 events, n (%)° Patients with grade 2 events, n (%)° Patients with grade ≥3 events, n (%)	Overall         N = 384*           150 (39.1           100 (26.0           29 (7.6)           5) <sup>c</sup> 3 (<1)	Black N = 44 ) 18 (40.9) ) 11 (25.0) 5 (11.4)	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6)	• 95% Hall-Wellner band
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)°         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose	Overall           N = 384*           150 (39.1           100 (26.0           29 (7.6)           5)°         3 (<1)	Black N = 44 ) 18 (40.9) ) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.3)	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1)	0.0 0.4 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Patients with ≥1 CRS event, n (%) Patients with grade 1 events, n (%) Patients with grade 2 events, n (%) Patients with grade ≥3 events, n (%) Patients with CRS grade unknown o unspecified, n (%) rwCRS events per Keating classifica	Overall           N = 384*           150 (39.1           100 (26.0           29 (7.6)           5)°         3 (<1)	Black         N = 44         )       18 (40.9)         )       11 (25.0)         5 (11.4)         1 (2.3)         1 (2.3)         )         18 (40.9)	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7)	$\mathbf{A}_{\mathbf{I}} = \mathbf{A}_{\mathbf{I}} = $
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with mild CRS         Patients with severe CRS	Overall N = 384 $150 (39.1)$ $100 (26.0)$ $29 (7.6)$ $3 (<1)$ $0^{\circ}$ $3 (<1)$ $0^{\circ}$ $18 (4.7)$ ations $128 (33.3)$ $100 (26.0)$ $28 (7.3)$	$\begin{array}{c c c}     Black \\     N = 44 \\   \end{array} $ $\begin{array}{c}     18 (40.9) \\     11 (25.0) \\     5 (11.4) \\     1 (2.3) \\   \end{array} $ $\begin{array}{c}     1 (2.3) \\     1 (2.3) \\   \end{array} $ $\begin{array}{c}     18 (40.9) \\     15 (34.1) \\     3 (6.8) \\   \end{array}$	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8)	O.8 O.6 O.6 O.6 O.7
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS symptements	Overall         N = 384*         150 (39.1         100 (26.0 $29$ (7.6) $3$ (<1)	Black N = 44 ) 18 (40.9) ) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.3) ) 18 (40.9) ) 18 (40.9) ) 15 (34.1) 3 (6.8) g algorithm	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8)	$\begin{array}{c} 0.0 \\ 0.6 \\ 0.6 \\ 0.4 \\ 0.2 \\ 0.0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with mild CRS         Patients with severe CRS	Overall N = 384 $150 (39.1)$ $100 (26.0)$ $29 (7.6)$ $3 (<1)$ $0^{\circ}$ $3 (<1)$ $0^{\circ}$ $18 (4.7)$ ations $128 (33.3)$ $100 (26.0)$ $28 (7.3)$	Black         N = 44         )       18 (40.9)         )       11 (25.0)         5 (11.4)         1 (2.3)	N = $257^{\circ}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0)	100 - Censored
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue         Hypotension	Overall         N = 384*         150 (39.1         100 (26.0         29 (7.6) $3$ (<1)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N = $257^{\circ}$ 94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	$\frac{1}{1000} = 95\%$ Hall-Wellner band 0.6 $0.4$ $0.2$ $0.2$ $0.2$ $0.2$ $0.2$ $0.2$ $0.4$ $0.2$ $0.$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade ≥3 events, n (%)         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue         Hypotension         Hypoxia	Overall N = 384* $150 (39.1)$ $100 (26.0)$ $29 (7.6)$ $5)^{\circ}$ $3 (<1)$ or $18 (4.7)$ ations $128 (33.3)$ $100 (26.0)$ $28 (7.3)$ toms per Keating $82 (21.4)$ $44 (11.5)$ $16 (4.2)$ $4 (1)$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N = $257^{\circ}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2)	$1.00 - \frac{95\% \text{ Hall-Wellner band}}{1.00} = \frac{1.00}{1.00} = $
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue         Hypotension         Hypoxia         Headaches	Overall         N = 384*         150 (39.1         100 (26.0         29 (7.6) $3$ (<1)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N = $257^{\circ}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9)	$1.00 - \frac{95\% \text{ Hall-Wellner band}}{1.00} = \frac{1.00}{1.00} = $
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade ≥3 events, n (%)         Patients with GRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue         Hypotension         Hypoxia         Headaches         rwICANS per ICD-10 codes         Patients ≥1 ICANS and/or other	Overall N = 384 $150 (39.1)$ $100 (26.0)$ $29 (7.6)$ $3 (<1)$ $0^{\circ}$ $3 (<1)$ $0^{\circ}$ $18 (4.7)$ ations $128 (33.3)$ $100 (26.0)$ $28 (7.3)$ toms per Keating $82 (21.4)$ $44 (11.5)$ $16 (4.2)$ $4 (1)$ $1 (<1)$	$\begin{array}{c c c c c c c c } \hline Black \\ N = 44 \\ \hline \\ \hline \\ 18 (40.9) \\ \hline \\ 11 (25.0) \\ \hline \\ 5 (11.4) \\ \hline \\ 1 (2.3) \\ \hline \\ 1 (2$	94 (36.6) $58 (22.6)$ $22 (8.6)$ $2 (<1)$ $12 (4.7)$ $74 (28.8)$ $59 (23.0)$ $15 (5.8)$ $47 (18.3)$ $28 (10.9)$ $10 (3.9)$ $3 (1.2)$ $1 (<1)$	$100 - \frac{100}{100} - \frac{100}{1$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with GRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with mild CRS         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue         Hypotension         Hypoxia         Headaches         rwICANS per ICD-10 codes	Overall N = 384 $150 (39.1)$ $100 (26.0)$ $29 (7.6)$ $3 (<1)$ $0^{\circ}$ $3 (<1)$ $0^{\circ}$ $18 (4.7)$ ations $128 (33.3)$ $100 (26.0)$ $28 (7.3)$ toms per Keating $82 (21.4)$ $44 (11.5)$ $16 (4.2)$ $44 (11.5)$ $16 (4.2)$ $40 (10.4)$	$\begin{array}{c c c c c c c c } \hline Black \\ N = 44 \\ \hline \\ \hline \\ 18 (40.9) \\ \hline \\ 11 (25.0) \\ \hline \\ 5 (11.4) \\ \hline \\ 1 (2.3) \\ \hline \\ 1 (2$	N = $257^{\circ}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2)	$\frac{1}{100} = \frac{1}{100} = \frac{1}$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with mild CRS         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue         Hypotension         Hypoxia         Headaches         rwICANS per ICD-10 codes         Patients ≥1 ICANS and/or other neurotoxicity event, n (%)	Overall N = 384150 (39.1)100 (26.0)29 (7.6) $3$ (<1)	$\begin{array}{c c c c c c c } & & & & & & & & \\ \hline & & & & & & & & \\ \hline & & & &$	N = $257^{b}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2) 1 (<1) 30 (11.7)	$\frac{1}{100} = \frac{95\% \text{ Hall-Wellner band}}{0.6}$ $\frac{1}{0.2} = \frac{1}{0.2} + \frac{1}$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)°         Patients with grade ≥3 events, n (%)°         Patients with GRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients severe S	Overall N = 384150 (39.1)100 (26.0)29 (7.6) $3$ (<1)	Black N = 44         )       18 (40.9)         )       11 (25.0)         )       5 (11.4)         1 (2.3)         1 (2.3)         1 (2.3)         )       18 (40.9)         )       15 (34.1)         3 (6.8)         g algorithm         12 (27.3)         4 (9.1)         0 (0)         0 (0)         5 (11.4)         2 (4.5)         2 (4.5)         0 (0)	N = $257^{b}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2) 1 (<1) 30 (11.7) 6 (2.3) 5 (1.9) 2 (<1)	$\begin{array}{c} 0, 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\ 0, 0\\$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)°         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classificat         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue         Hypotension         Hypoxia         Headaches         rwICANS per ICD-10 codes         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade 2 events, n (%)°	Overall N = 384150 (39.1)100 (26.0)29 (7.6) $3$ (<1)	Black N = 44         )       18 (40.9)         )       11 (25.0)         )       5 (11.4)         1 (2.3)         1 (2.3)         )       18 (40.9)         )       15 (34.1)         3 (6.8)         g algorithm         12 (27.3)         4 (9.1)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)	N = $257^{b}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2) 1 (<1) 30 (11.7) 6 (2.3) 5 (1.9) 2 (<1) 0 (0)	$\frac{1}{100} + \frac{1}{100} + \frac{1}$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)°         Patients with GRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with severe CRS         Patients with specific rwCRS symptime         Fever         Fatigue         Hypotension         Hypoxia         Headaches         rwICANS per ICD-10 codes         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°	Overall N = 384150 (39.1)100 (26.0)29 (7.6) $3$ (<1)	Black N = 44         )       18 (40.9)         )       11 (25.0)         )       5 (11.4)         1 (2.3)         1 (2.3)         1 (2.3)         )       18 (40.9)         )       15 (34.1)         3 (6.8)         g algorithm         12 (27.3)         4 (9.1)         0 (0)         0 (0)         5 (11.4)         2 (4.5)         2 (4.5)         0 (0)	N = $257^{b}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2) 1 (<1) 30 (11.7) 6 (2.3) 5 (1.9) 2 (<1)	$\frac{1}{100} = \frac{95\% \text{ Hall-Wellner band}}{0.4}$ $\frac{1}{0.2} = \frac{1}{0.2} + \frac{1}{0.4} + \frac{1}{0.2} + \frac{1}{0.4} + \frac{1}$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients severe s	Overall         150 (39.1)         100 (26.0)         29 (7.6) $3$ (<1)	Black N = 44 ) 18 (40.9) ) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.3) 1 (2.3) ) 18 (40.9) ) 15 (34.1) 3 (6.8) 9 algorithm 12 (27.3) 4 (9.1) 4 (9.1) 4 (9.1) 4 (9.1) 0 (0) 0 (0) 0 (0) 0 (0) 0 (0) 1 (2.3)	N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2) 1 (<1) 30 (11.7) 6 (2.3) 5 (1.9) 2 (<1) 0 (0) 17 (6.6)	$\begin{array}{c} 0.6 \\ 0.6 \\ 0.4 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)°         Patients with GRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with severe CRS         Patients with specific rwCRS symptime         Fever         Fatigue         Hypotension         Hypoxia         Headaches         rwICANS per ICD-10 codes         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°	Overall         150 (39.1)         100 (26.0)         29 (7.6) $3$ (<1)	Black N = 44         )       18 (40.9)         )       11 (25.0)         )       5 (11.4)         1 (2.3)         1 (2.3)         )       18 (40.9)         )       15 (34.1)         3 (6.8)         g algorithm         12 (27.3)         4 (9.1)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)	N = $257^{b}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2) 1 (<1) 30 (11.7) 6 (2.3) 5 (1.9) 2 (<1) 0 (0)	$\frac{1}{100} = \frac{1}{100} = \frac{1}$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)	Overall N = 384*         150 (39.1)         100 (26.0)         29 (7.6)         3 (<1)	Black         N = 44         18 (40.9)         11 (25.0)         5 (11.4)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.7.3)         4 (9.1)         3 (6.8)         9 algorithm         12 (27.3)         4 (9.1)         0 (0)         0 (0)         0 (0)         0 (0)         0 (0)         1 (2.3)         2 (4.5)         0 (0)         1 (2.3)         2 (4.5)         0 (0)         1 (2.3)         2 (4.5)	N = $257^{b}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2) 10 (3.9) 3 (1.2) 1 (<1) 30 (11.7) 6 (2.3) 5 (1.9) 2 (<1) 0 (0) 17 (6.6) 8 (3.1)	$\frac{1}{100} = 95\% \text{ Hall-Wellner band}$ $\frac{1}{100} = 95\% \text{ Hall-Wellner band}$ $\frac{1}{100} = 95\% \text{ Hall-Wellner band}$ $\frac{1}{100} = 0.7083 \text{ Hedian } (95\% \text{ Cl})$ $\frac{1}{100} = 0.7083 \text{ Hedian } (95\% \text{ Cl})$ $\frac{1}{100} = 0.7083 \text{ Hedian } (95\% \text{ Cl})$ $\frac{1}{100} = 0.7083 \text{ Hedian } (95\% \text{ Cl})$ $\frac{1}{100} = 0.7083 \text{ Hedian } (95\% \text{ Cl})$
Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade ≥3 events, n (%)         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue         Hypotension         Hypoxia         Headaches         rwICANS per ICD-10 codes         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade 3 events, n (%)         Patients with grade 2 events, n (%)         Patients with lCANS grade unknow or unspecified, n (%)         ICANS per symptom codes         Patients with ≥1 ICANS symptom codes         Patients with ≥1 ICANS symptom codes	Overall N = 384*         150 (39.1)         100 (26.0) $29 (7.6)$ $3 (<1)$ $0^{\circ}$ $18 (4.7)$ ations $128 (33.3)$ $100 (26.0)$ $28 (7.3)$ toms per Keating $82 (21.4)$ $44 (11.5)$ $16 (4.2)$ $44 (1)$ $1 (<1)$ $40 (10.4)$ $9 (2.3)$ $a (2.1)$ $0 (0)$ $1 (21 (5.5))$	Black N = 44 ) 18 (40.9) ) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.3) 1 (2.3) ) 18 (40.9) ) 15 (34.1) 3 (6.8) 9 algorithm 12 (27.3) 4 (9.1) 3 (6.8) 9 $12 (27.3)$ 4 (9.1) 0 (0) 0 (0) 0 (0) 0 (0) 0 (0) 0 (0) 1 (2.3)	N = $257^{b}$ 94 (36.6) 58 (22.6) 22 (8.6) 2 (<1) 12 (4.7) 74 (28.8) 59 (23.0) 15 (5.8) 47 (18.3) 28 (10.9) 10 (3.9) 3 (1.2) 1 (<1) 30 (11.7) 6 (2.3) 5 (1.9) 2 (<1) 0 (0) 17 (6.6)	$\frac{1}{100} = \frac{1}{100} = \frac{1}$

<ul> <li>Had ≥1 inpatient admission for a 30 mg/3 mL vial for inpatient) or claim date (inthe SUD period)</li> <li>All inpatient or outpatient between claims within a 2 rolled up as part of the S additional outpatient clair required unless an inpatien was observed</li> <li>The end date of the SUD encounter was an inpatien last encounter was an outpatients with unknown race, (2)</li> <li>Demographics and clinical char 6-month pre-index period (the Treatment history was capture patients with ≥1 line of therapy</li> <li>Health resource utilization (HR syndrom (CRS) and immune effective)</li> </ul>	teclistamab; th foutpatient) wa t claims for tecli 21-day continuou UD period. If an m for a 153 mg/ ent admission co period was the nt admission, or tpatient claim for 1) overall patient Black patients, an cacteristics were baseline period) ed using all availa (LOT) data availa	e earliest admis is defined as the istamab with a - us enrollment pe- index claim was 1.7 mL vial for t intaining teclist discharge date the claim date or a 153 mg/1.7 population, which nd (3) patients of a captured on of among all patients able pre-index d ilable in the ARN JD period, cytol	esion date (if e start date of <5-day gap eriod were s outpatient, an eclistamab was amab if the last +4 days if the mL vial ch includes f other races r during the ents ata among /MRD registry kine release	<ul> <li>(ICANS) rates, and dosing schedule for teclistamab were evaluated in patients with a complete SUD period</li> <li>CRS was identified in 2 ways: (1) using the International Classification of Disease, 10th Revision, Clinical Modification (ICD-10-CM) codes and (2) using a published algorithm of CRS-related symptoms and treatment codes (Keating algorithm)<sup>10</sup></li> <li>ICANS was also identified in 2 ways: (1) using ICD-10-CM codes and (2) using ICD-10-CM symptom codes</li> <li>Baseline patient characteristics were analyzed descriptively. Mean and standard deviation (SD), median, and interquartile range (IQR) as well as minimum and maximum were reported for continuous variables; counts and percentages were reported for categorical variables</li> <li>Switching to a less-frequent dosing (LFD) schedule was defined as having ≥3 consecutive teclistamab records with a dose interval of ≥14 days between each dose</li> <li>Time to LFD was analyzed using Kaplan-Meier curves; patients were censored at the earliest date of the following: death, last activity, end of the study, or the initiation of a next LOT</li> </ul>
				Real-world CRS and ICANS during SUD
Table 3: Treatment history of patie	ents with MM tr	eated with tec	listamab	• Of the 384 patients with a complete SUD period, 150 (39.1%) had
	Overall <sup>a</sup>	Black	Other races <sup>b</sup>	≥1 CRS event per ICD-10-CM codes, and 128 (33.3%) per the Keating algorithm ( <b>Table 4</b> ). Most of the CRS events were low grade (26.0% grade 1;
Dationto with prior LOT	N = 263	N = 37	N = 178	7.6% grade 2) or mild (26.0%)
Patients with prior LOT information available, n (%)	236 (89.7)	31 (83.8)	165 (92.7)	<ul> <li>Compared to patients of other races, higher percentages of Black patients had ≥1 CRS event per both ICD-10-CM codes (40.9% vs 36.6%) and the</li> </ul>
Prior BCMA-directed therapies,	36 (15.3)	5 (16.1)	26 (15.8)	Keating algorithm (40.9% vs 28.8%) with fever as the most common
n (%)° CAR-T therapy (Abecma®,				symptom related to CRS (27.3% vs 18.3%)
Carvykti <sup>®</sup> )	19 (8.1)	3 (9.7)	14 (8.5)	<ul> <li>The ICANS rates were comparable in Black patients (11.4%) and patients of other races (11.7%), and most of the ICANS events were grade 1 or 2</li> </ul>
Abecma®	1 (<1)	1 (3.2)	0 (0)	Claims for tocilizumab were observed during the SUD period in a total of
Carvykti® ADC (belantamab mafodotin)	18 (7.6) 21 (8.9)	2 (6.5) 3 (9.7)	14 (8.5) 15 (9.1)	28 patients (7.3%), including 3 Black patients (6.8%) and 16 patients of other races (6.2%)
Stem cell transplantation, n (%)°	98 (41.5)	11 (35.5)	75 (45.5)	LFD schedule
Time from the end of the most rece				<ul> <li>At a median follow-up of 15.7 weeks for Black patients and 13.9 weeks for</li> </ul>
Mean (SD)	194.4 (389.5)	233.2 (486.0)	195.8 (403.1)	patients of other races, post-SUD LFD was observed in 15 Black patients and
Median (IQR)	40 ( <mark>148)</mark>	20 (180)	41 (133)	<ul> <li>87 patients of other races</li> <li>The median time to LFD was 5.8 (IQR, 4.9–6.5) months in the overall patient</li> </ul>
Duration of the most recent LOT, da Mean (SD)	166.2 (184.8)	175.8 (177.5)	164.3 (188.7)	population, 5.0 (2.6–6.6) months in Black patients, and 5.6 (4.9–6.5)
Median (IQR)	110 (148)	139 (119)	104 (145)	<ul> <li>months in patients of other races</li> <li>The probability of switching to LFD at 3, 6, and 9 months post-index was</li> </ul>
<sup>c</sup> Among patients with prior LOT information avai			nt history.	
Table 4: CRS and ICANS among pa			it history.	Figure 2 : Probability of LFD in (A) all patients and (B) Black patients versus patients of other races 0.8 - Censored 95% Hall-Wellner band
Table 4: CRS and ICANS among pa	tients who com Overall	pleted SUD Black	Other races	versus patients of other races         0.8         - Censored         95% Hall-Wellner band
Table 4: CRS and ICANS among pa rwCRS events per ICD-10 codes	tients who com	pleted SUD Black		versus patients of other races         0.8         - Censored         95% Hall-Wellner band
	tients who com Overall	pleted SUD Black N = 44	Other races	0.8 - Censored 95% Hall-Wellner band
rwCRS events per ICD-10 codes Patients with ≥1 CRS event, n (%) Patients with grade 1 events, n (%) <sup>c</sup>	tients who com Overall N = 384ª 150 (39.1) 100 (26.0)	pleted SUD Black N = 44 18 (40.9) ) 11 (25.0)	Other races N = 257 <sup>b</sup> 94 (36.6) 58 (22.6)	0.8 - Censored 95% Hall-Wellner band 0.6 - 0.4
rwCRS events per ICD-10 codes Patients with ≥1 CRS event, n (%) Patients with grade 1 events, n (%)° Patients with grade 2 events, n (%)°	tients who com Overall N = 384 <sup>a</sup> 150 (39.1) 100 (26.0) 29 (7.6)	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 5 (11.4)	Other races N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6)	0.8 - Censored 95% Hall-Wellner band
rwCRS events per ICD-10 codes Patients with ≥1 CRS event, n (%) Patients with grade 1 events, n (%) <sup>c</sup>	tients who com Overall N = 384 <sup>a</sup> 150 (39.1) 100 (26.0) 29 (7.6) )° 3 (<1)	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 5 (11.4) 1 (2.3)	Other races         N = 257 <sup>b</sup> 94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	0.8 - Censored 95% Hall-Wellner band 0.6 - 95% Hall-Wellner band
rwCRS events per ICD-10 codes Patients with ≥1 CRS event, n (%) Patients with grade 1 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with grade ≥3 events, n (%) Patients with CRS grade unknown of unspecified, n (%)	tients who com Overall N = 384° 150 (39.1) 100 (26.0) 29 (7.6) )° 3 (<1) or 18 (4.7)	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 5 (11.4)	Other races N = 257 <sup>b</sup> 94 (36.6) 58 (22.6) 22 (8.6)	versus patients of other races 0.8 0.8 0.6 0.6 0.4 0.2 0.0 0.4 0.2
rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with grade ≥3 events, n (%) <sup>c</sup> Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose	tients who com         Overall         N = 384°         150 (39.1)         100 (26.0)         29 (7.6)         )°       3 (<1)	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.3)	Other races         N = 257 <sup>b</sup> 94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	versus patients of other races 0.8 - Censored 95% Hall-Wellner band 0.6 - 95% Hall-Wellner band 0.4 - 0.2 - 0.
rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with grade ≥3 events, n (%) <sup>c</sup> Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)	tients who com         Overall         N = 384 <sup>a</sup> 150 (39.1)         100 (26.0)         29 (7.6)         ) <sup>c</sup> 3 (<1)	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.3) 18 (40.9) 18 (40.9)	Other races         N = 257 <sup>b</sup> 94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	versus patients of other races $ \begin{array}{c} 0.8 \\ 0.8 \\ 0.6 \\ 0.6 \\ 0.4 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.0 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.0 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.4 \\ 0.2 \\ 0.4 \\ 0.$
rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with grade ≥3 events, n (%) <sup>c</sup> Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose	tients who com         Overall         N = 384°         150 (39.1)         100 (26.0)         29 (7.6)         )°       3 (<1)	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.3) 18 (40.9) 18 (40.9)	Other races         N = 257 <sup>b</sup> 94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	versus patients of other races
rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classifica         Patients with any grade CRS (loose definition)         Patients with mild CRS	tients who com         Overall         N = 384 <sup>a</sup> 150 (39.1)         100 (26.0)         29 (7.6)         ) <sup>c</sup> 3 (<1)	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.3) 1 (2.3) 1 (2.3) 1 (2.3) 1 (2.3) 1 (2.3)	Other races $N = 257^b$ $94 (36.6)$ $58 (22.6)$ $22 (8.6)$ $2 (<1)$ $12 (4.7)$ $74 (28.8)$ $59 (23.0)$	versus patients of other races
rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)°         Patients with grade 2 events, n (%)°         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS sympt         Fever	tients who com Overall $N = 384^a$ 150 (39.1) 100 (26.0) 29 (7.6) 29 (7.6) 29 (7.6) 3 (<1) 18 (4.7) 18 (4.7) 128 (33.3) 100 (26.0) 28 (7.3) 28 (7.3) 32 (21.4)	Black         Black         N = 44         18 (40.9)         11 (25.0)         5 (11.4)         1 (2.3)	$\begin{array}{c} \textbf{Other races} \\ \textbf{N} = 257^{b} \\ \hline 94 (36.6) \\ 58 (22.6) \\ 22 (8.6) \\ 2 (<1) \\ 12 (4.7) \\ \hline 12 (4.7) \\ \hline 74 (28.8) \\ 59 (23.0) \\ 15 (5.8) \\ \hline 47 (18.3) \\ \end{array}$	versus patients of other races
rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade ≥3 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS sympt         Fever         Fatigue	tients who com Overall $N = 384^{a}$ 150 (39.1) 100 (26.0) 29 (7.6) 0° 3 (<1) 0° 3 (<1) 0° 18 (4.7) ations 128 (33.3) 100 (26.0) 29 (7.6) 0° 3 (<1) 0° 3 (<1) 10 (<1) 10 (<1) 10 (<1) 1	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2.	Other races N = 257b         94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	versus patients of other races
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rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade 2 events, n (%)         Patients with grade ≥3 events, n (%)         Patients with GRS grade unknown of unspecified, n (%)         rwCRS events per Keating classificat         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with grade 1 events, n (%)	tients who com $Overall N = 384^a$ 150 (39.1) 100 (26.0) 29 (7.6) $)^c$ $3 (<1)$ 29 (7.6) $)^c$ $3 (<1)$ 100 (26.0) 28 (7.3) 100 (26.0) 28 (7.3) 100 (26.0) 28 (7.3) 28 (7.3) 28 (7.3) 100 (26.0) 28 (7.3) 100 (26.0) 44 (11.5) 16 (4.2) 44 (11.5) 16 (4.2) 44 (1) 1 (<1) 1 (<1) 40 (10.4) 9 (2.3) 8 (2.1) 2 (<1) 9 (2.3) 8 (2.1) 2 (<1) (0) 1 (5.5)	pleted SUD Black N = 44 18 (40.9) 11 (25.0) 11 (25.0) 5 (11.4) 1 (2.3) 1 (2	Other races N = 257b         94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	versus patients of other races
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rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with CRS grade unknown of unspecified, n (%)         rwCRS events per Keating classificat         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients with specific rwCRS sympthed         Fever         Fatigue         Hypotension         Hypoxia         Headaches         rwICANS per ICD-10 codes         Patients ≥1 ICANS and/or other         neurotoxicity event, n (%)         Patients with grade 1 events, n (%) <sup>c</sup> Patients with grade 2 events, n (%) <sup>c</sup> Patients with State 2 events, n (%) <sup>c</sup> Patients with 2 I ICANS symptom cod	tients who com $\begin{array}{c c} Overall \\ N = 384^{a} \\ \hline 150 (39.1) \\ 100 (26.0) \\ 29 (7.6) \\ 29 (7.6) \\ 29 (7.6) \\ 29 (7.6) \\ \hline 18 (4.7) \\ \hline 100 (26.0) \\ 28 (7.3) \\ \hline 0 (26.0) \\ 28 (7.3) \\ \hline 0 100 (26.0) \\ 28 (7.3) \\ \hline 0 100 (26.0) \\ 28 (7.3) \\ \hline 0 100 (26.0) \\ \hline 100 (26.0) \\ \hline 0 10 (26.0) \\ \hline 0 10 (26.0) \\ \hline 100 (26.0) \\ \hline 0 10 (26.0) \\ \hline 100 (26.0) \\ \hline 0 10 (26.0) \\ \hline 100 (26.0) \\ \hline 0 10 (26.0)$	Black         Black         N = 44         18 (40.9)         11 (25.0)         5 (11.4)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.7.3)         1 (2.7.3)         3 (6.8)         9         12 (27.3)         4 (9.1)         3 (6.8)         9         12 (27.3)         4 (9.1)         0 (0)         0 (0)         12 (27.3)         4 (9.1)         3 (6.8)         9         5 (11.4)         1 (2.3)         5 (11.4)         2 (4.5)         0 (0)         1 (2.3)         2 (4.5)         1 (2.3)         2 (4.5)         1 (2.3)	Other races N = $257^{b}$ 94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	versus patients of other races
rwCRS events per ICD-10 codes         Patients with ≥1 CRS event, n (%)         Patients with grade 1 events, n (%)         Patients with grade 2 events, n (%)         Patients with CRS grade unknown or unspecified, n (%)         rwCRS events per Keating classification         Patients with any grade CRS (loose definition)         Patients with severe CRS         Patients severe CRS         Patients with severe CRS         Patients severe	tients who com 0verall N = 384a 150 (39.1) 100 (26.0) 29 (7.6) 3 (<1) 29 (7.6) 3 (<1) 18 (4.7) ations 128 (33.3) 100 (26.0) 28 (7.3) 100 (26.0) 28 (7.3) 3 (<1) 16 (4.2) 44 (11.5) 16 (4.2) 44 (1) 1 (<1) 16 (4.2) 44 (1) 1 (<1) 2 (<1) 3 (2.3) 3 (<1) 3 (<1) 3 (<1) 3 (<1) 3 (<1)	Black N = 44         Black N = 44         18 (40.9)         11 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.3)         1 (2.7.3)         4 (9.1)         3 (6.8) <b>3</b> (6.8) <b>5</b> (11.4) <b>5</b> (11.4) <b>5</b> (11.4) <b>1</b> (2.3) <b>5</b> (11.4) <b>1</b> (2.3) <b>5</b> (11.4) <b>1</b> (2.3) <b>2</b> (4.5) <b>1</b> (2.3) <b>2</b> (4.5) <b>1</b> (2.3) <b>2</b> (4.5)	Other races N = 257b         94 (36.6)         58 (22.6)         22 (8.6)         2 (<1)	versus patients of other races

°If there was more than 1 grade of CRS or ICANS events, the event with the highest grade was counted.

**Multiple Myeloma** 

