

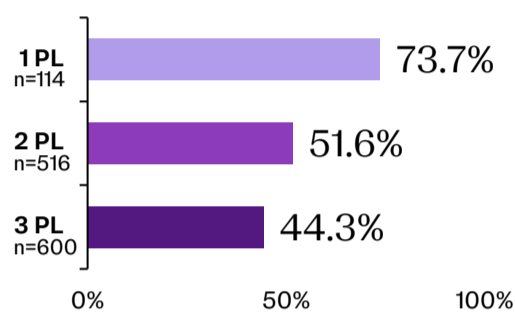
# Evidence and value summary: CARVYKTI®

Lenalidomide-refractory relapse/refractory multiple myeloma current with 1-3 prior LOT; challenges and gaps in care



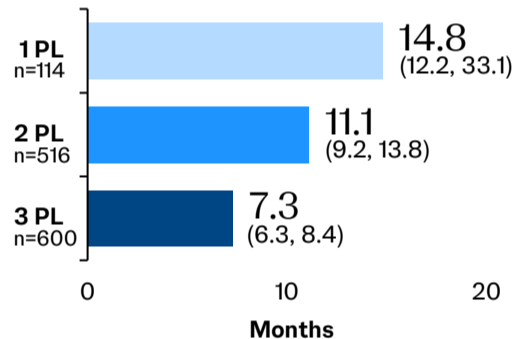
Data below are based on an analysis of patient-level data to characterize treatments and outcomes by number of prior lines (PL) of therapy<sup>a</sup>

## Overall response rates by number of PL<sup>1,a</sup>



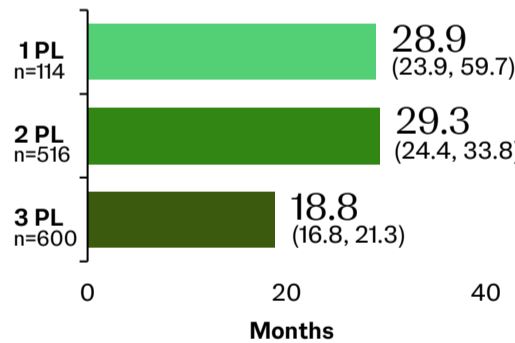
## Median PFS rates for each LOT<sup>1,a</sup>

Median (95% CI) PFS, months  
Overall: 9.3 (8.3, 10.4)



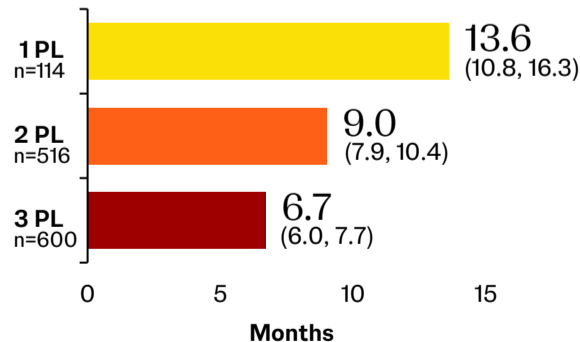
## Median OS rates for each LOT<sup>1,a</sup>

Median (95% CI) OS, months  
Overall: 23.9 (21.8, 25.8)



## Median time to next treatment (TTNT) with each additional LOT<sup>1,a</sup>

Median (95% CI) TTNT, months  
Overall: 8.3 (7.7, 9.3)



CARVYKTI®: CAR-T therapy delivered as a one-time infusion in lenalidomide-refractory MM patients who previously received at least 1 prior LOT, including a proteasome inhibitor + immunomodulatory agent<sup>2,3,c</sup>

### Approved FDA Indication<sup>4</sup>

CARVYKTI® (ciltacabtagene autoleucel) is a **BCMA-directed** genetically modified autologous **T cell immunotherapy** indicated for treatment of adult patients with **RRMM** who have received at least 1 prior LOT, including a proteasome inhibitor, an immunomodulatory agent, and are refractory to lenalidomide.

### Boxed warning:

CRS, neurologic toxicities, HLH/MAS, prolonged and recurrent cytopenia, and secondary hematological malignancies<sup>4</sup>

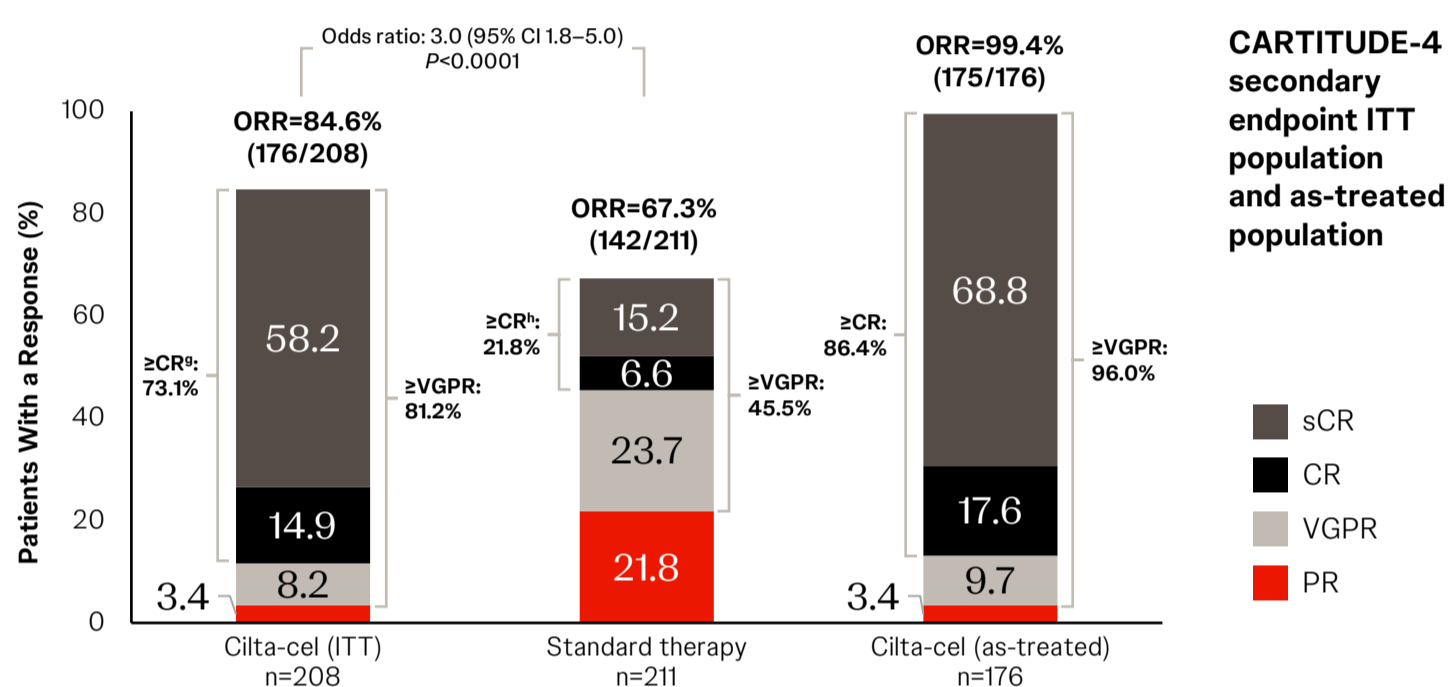
## CARVYKTI®: Clinical evidence<sup>2,3</sup>

**CARTITUDE-4:** A phase 3, randomized, open-label study of cilta-cel vs ST (PVd or DPd) in lenalidomide-refractory MM patients who previously received 1–3 prior LOT, including a PI + IMiD. (Cilta-cel (ITT) n=208, standard therapy n= 211, and Cilta-cel (as treated) n= 176)



At a median follow-up of 15.9 months, a single infusion of cilta-cel significantly prolonged PFS vs ST (HR=0.26; P<0.001)<sup>d,e</sup> in lenalidomide-refractory MM patients with 1–3 prior LOT

### Overall response rates<sup>f</sup>



CARTITUDE-4	Cilta-cel (ITT) (n = 208)	Standard therapy (n = 211)
Median PFS, months (95% CI)	NR (22.8–NE)	11.8 (9.7–13.8)
	HR: 0.26 (weighted) (95% CI, 0.18–0.38); P<0.001 <sup>i</sup> HR: 0.40 (unweighted) (95% CI, 0.29–0.55); P<0.001 <sup>i</sup>	
MRD negativity <sup>j</sup> , %	60.6	15.6
	OR: 8.7 <sup>k</sup> (95% CI, 5.4–13.9); P<0.0001 <sup>l</sup>	



### Selected safety profile<sup>3</sup>

Please refer to the full prescribing information for a complete listing of all adverse events, including other serious adverse events.

### Any grade CRS:

- 134/176 pts (76.1%)
- Grade 1 or 2: 132 pts (75%)
- Grade 3: 2 pts (1.1%)
- Grade 4: 0 pts
- Median time to onset: 8.0 days (1–23)
- Median duration: 3 days (1–17)

### Any grade ICANS:

- 8/176 pts (4.5%)
- Grade 1 or 2: 8 pts (4.5%)
- Grade 3: 0 pts
- Grade 4: 0 pts
- Median time to onset: 9.5 days (6–15)
- Median duration: 2.0 days (1–6)

## CARVYKTI®: Economic considerations<sup>5</sup>



CPR analysis of data from CARTITUDE-4, costs were lower compared to standard therapy (DPd or PVd).

### Base-case cost per complete responder results over 25.4 months



<sup>a</sup>Based on analysis of individual patient-level data from 9 clinical trials from the daratumumab clinical development program including all treatment arms (with and without daratumumab; included APOLLO, CASTOR, CANDOR, EQUULEUS, ALCYONE, MAIA, GRIFFIN, POLLUX, and CASSIOPEIA). <sup>b</sup>Based on analysis of the SEER-Medicare database from 1/2007-12/2019 & 1/2016 onward. <sup>c</sup>Although delivered as a single infusion, therapy with CARVYKTI® is part of a multi-step process. <sup>d</sup>Constant piecewise weighted log-rank test. <sup>e</sup>Hazard ratio and 95% CI from a Cox proportional hazards model with treatment as the sole explanatory variable, including only progression-free survival events that occurred >8 weeks post-randomization. <sup>f</sup>Assessed using a validated computerized algorithm; ORR is defined as the proportion of subjects who achieve a PR or better per IMWG criteria. <sup>g</sup>P-value from the Cochran Mantel-Haenszel Chi-Squared test. <sup>h</sup>Odds ratio: 10.3; P<0.0001. <sup>i</sup>Stratified log-rank test. <sup>j</sup>Assessed at a threshold of 1x10<sup>-5</sup> by next generation sequencing available for 126 of 144 patients (87.5%) cilta-cel and 33 of 101 patients (32.7%) standard of care group. <sup>k</sup>Stratified Cochran Mantel-Haenszel test. <sup>l</sup>Fisher's Exact Test. AE, adverse event; BCMA, B-cell maturation antigen; CAR-T, chimeric antigen receptor T-cell; CI, confidence interval; CPR, cost per responder; CR, complete response; CRS, cytokine release syndrome; DoR, duration of response; DPd, daratumumab, pomalidomide, and dexamethasone; HR, hazard ratio; ICANS, immune effector cell-associated neurotoxicity syndrome; LOT, line of therapy; MRD, minimal residual disease; MNT, movement and neurocognitive treatment-emergent adverse events; NE, not evaluable; NR, not reached; OL, open label; OR, odds ratio; ORR, overall response rate; OS, overall survival; PFS, progression free survival; PI, proteasome inhibitor; PL, prior line; PVd, pomalidomide, bortezomib, and dexamethasone; ST, standard therapy; TEAE, treatment emergent adverse event.

1. Dhakal B, et al. Presented at ASH 2022 annual meeting; Dec 10–13, 2022. Poster Presentation 1883. 2. Dhakal B, et al. Presented at ASCO Annual Meeting; June 2–6, 2023. Oral presentation LBA106. 3. San-Miguel J, et al. *N Engl J Med.* 2023;389(4):335–347. 4. CARVYKTI® (ciltacabtagene autoleucel) [Prescribing Information]. Horsham, PA: Janssen Biotech, Inc. 5. Data on file. Janssen Biotech, Inc. 6. Rodriguez-Otero P, et al. *N Engl J Med.* 2023;88:1002–1014. 7. Abecma® (idecabtagene vicleucel) [Prescribing Information]. Summit, NJ: Bristol-Myers Squibb and Cambridge, MA: bluebird bio, Inc