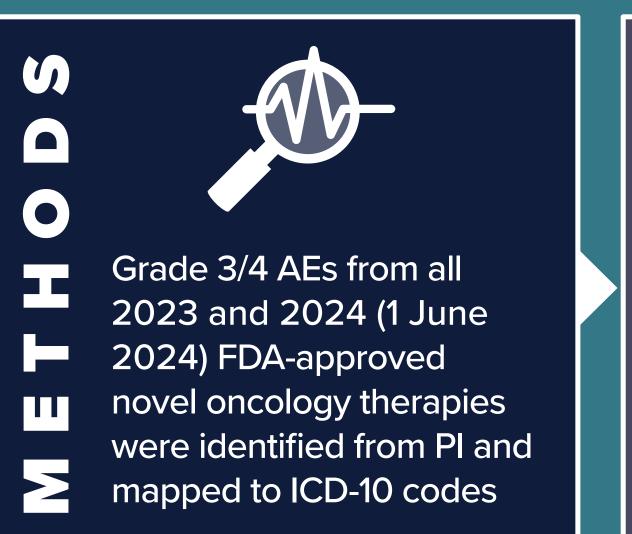
HOSPITALIZATION COSTS OF COMMON GRADE 3/4 **ADVERSE EVENTS ASSOCIATED WITH ONCOLOGY** TREATMENTS IN THE UNITED STATES

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OBJECTIVE

Estimate costs and LOS of common grade 3/4 AEs from 2023-2024 FDA-approved oncology treatment using NIS data and mapped ICD-10 codes





Means and standard errors were reported for weighted hospitalization costs and LOS calculated using R for each code from the 2021 NIS dataset

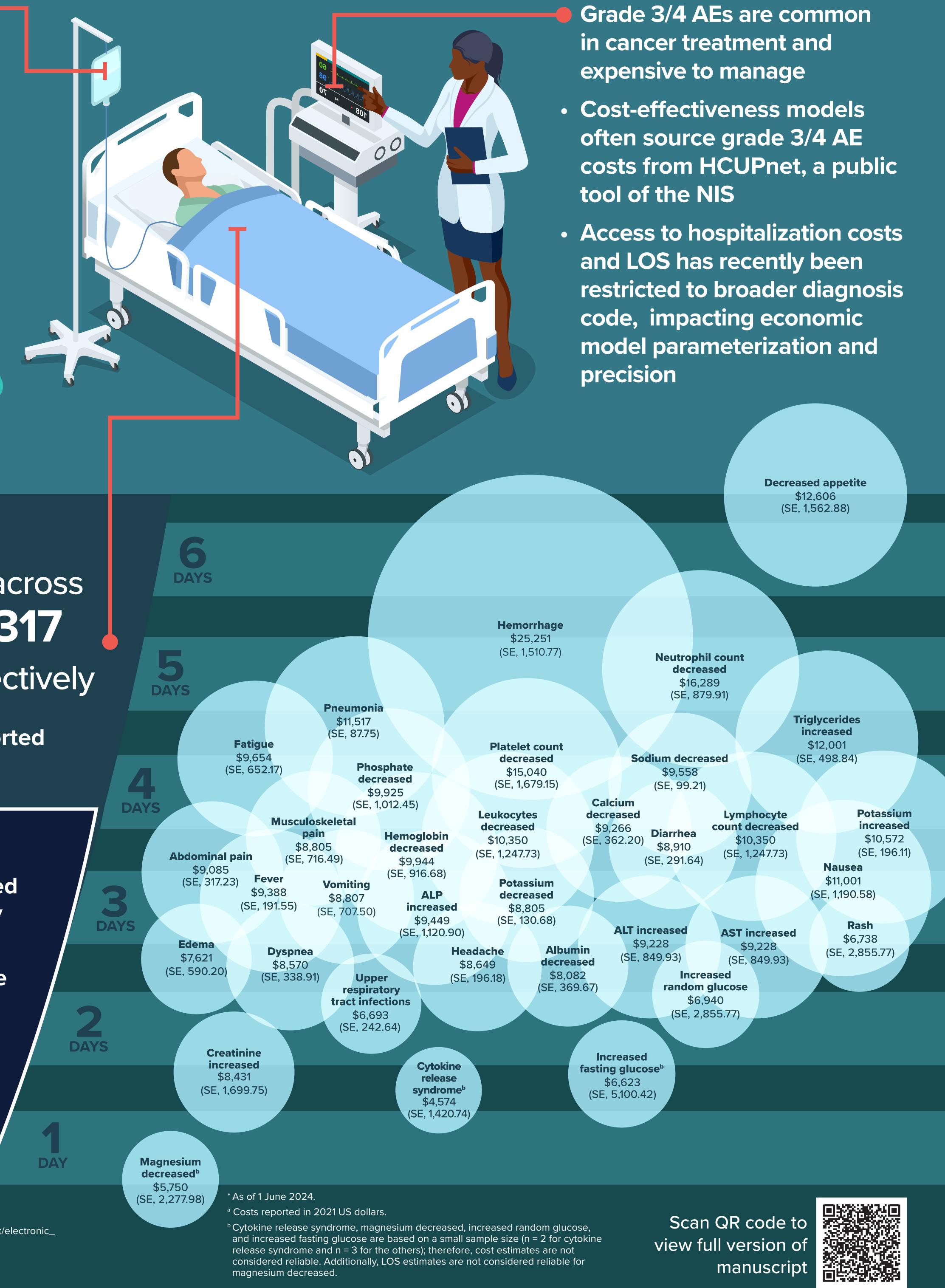


EE210

Hospitalization cost and LOS data from all US payers are available in the NIS

16 novel oncology therapies were approved by the FDA in 2023 and 2024*

Pirtobrutinib	1/27/23
Elacestrant	1/27/23
Retifanlimab-diwr	3/22/23
Epcoritamab-bysp	5/19/23
Glofitamab-gxbm	6/15/23
Quizartinib	7/20/23
Talquetamab-tgvs	8/9/23
Elranatamab-bcmm	8/14/23
Toripalimab-tpzi	10/27/23
Fruquintinib	11/8/23
Repotrectinib	11/15/23
Capivasertib	11/16/23
Tislelizumab-jsgr	3/13/24
Nogapendekin alfa inbakicept-pmln	4/22/24
Tovorafenib	4/23/24
Tarlatamab-dlle	5/16/24



Mean costs and LOS across the **35** AEs were **\$10,317** and 3.42 days, respectively

35 grade 3/4 AEs were reported in \ge 4 of the 16 PIs^a

CONCLUSION

- Many oncology treatment-related AEs are common across recently approved therapies
- Reports of costs and LOS may be

useful for parameterizing future economic models

 Costs and LOS information should be updated as new oncology therapies are approved

1. US DHHS. 2017 November 27. https://ctep.cancer.gov/protocoldevelopment/electronic_ applications/docs/ctcae_v5_quick_reference_5x7.pdf.

2. HCUP NIS. 2021. www.hcup-us.ahrq.gov/nisoverview.jsp.

ABBREVIATIONS

REFERENCES

AE = adverse event; ALP = alkaline phosphatase; ALT = alanine transaminase; AST = aspartate transaminase; FDA = Food and Drug Administration; HCUP = Healthcare Cost and Utilization Project; ICD-10 = International Classification of Diseases, Tenth Revision; LOS = length of stay; NIS = National Inpatient Sample; PI = prescribing information; US = United States.

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