Economic burden in patients with hemophilia with inhibitors: Results from a real-world cohort study in the United States

Poster EE545



https://sciencehub.novonordisk.com/l por-us2023/Shah.html?cid=qr-5250909180

Sanket Shah*¹; John Waller²; Elizabeth Ibiloye¹; Jennifer R Dusendang³; Krisha Patel³

*Presenting author

¹Novo Nordisk Inc., Plainsboro, USA; ²Novo Nordisk Health Care AG, Zurich, Switzerland; ³PicnicHealth, San Francisco, USA

Δim

• Assess the economic burden in US patients with hemophilia with inhibitors using retrospectively-captured claims data.

Patients were identified from Komodo Health's Healthcare Map of de-identified, patient-level medical and prescription claims data during the study period (1 January 2016–30 June

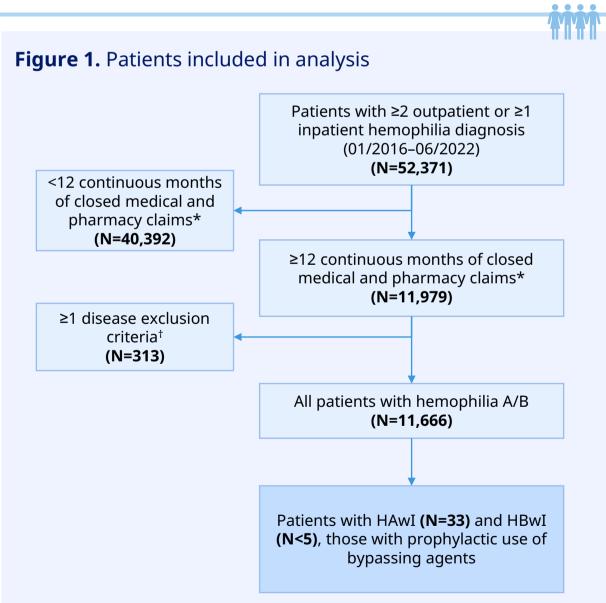
2022). *Medical claims include outpatient, inpatient, and emergency room costs; and pharmacy costs include prophylactic and on-demand treatment costs. †Other bleeding disorder,

Introduction



- Approximately 13.0% and 2.6% of US patients with hemophilia A and B respectively are estimated to have inhibitors (HAwI/HBwI) [1], a subtype of hemophilia with significant treatment and disease burden.
- Patients with hemophilia with inhibitors have limited treatment options and have historically relied on the prophylactic or on-demand use of bypassing agents [2].
- Presented here are patient-level medical and prescription claims data from a descriptive, non-interventional, retrospective study of US patients with hemophilia A/B with a focus on patients with inhibitors (HAwI/HBwI) on prophylactic and on-demand treatment.

Methods



Hemophilia-related costs

- Interim analyses of hemophilia-related costs among patients with HAwI/HBwI were performed. Numbers of patients included in the analysis are presented in Figure 1.
- Pharmacy claims were considered prophylactic if they involved 6 consecutive claims for the same medication after accounting for days supply prescribed and allowing for gaps of <60 days.
- Any costs that did not fit the definition of prophylaxis (at least 6 consecutive claims) were included in ondemand treatment costs.
- Costs data were presented using both median and mean values, as cost data are typically highly skewed.
- Mean and median costs are calculated among patients with at least one occurrence of that cost.

median: 29, IQR: 16-48).

Results

 Costs of treatment are presented in Figure 2.

33 HAwI patients and <5

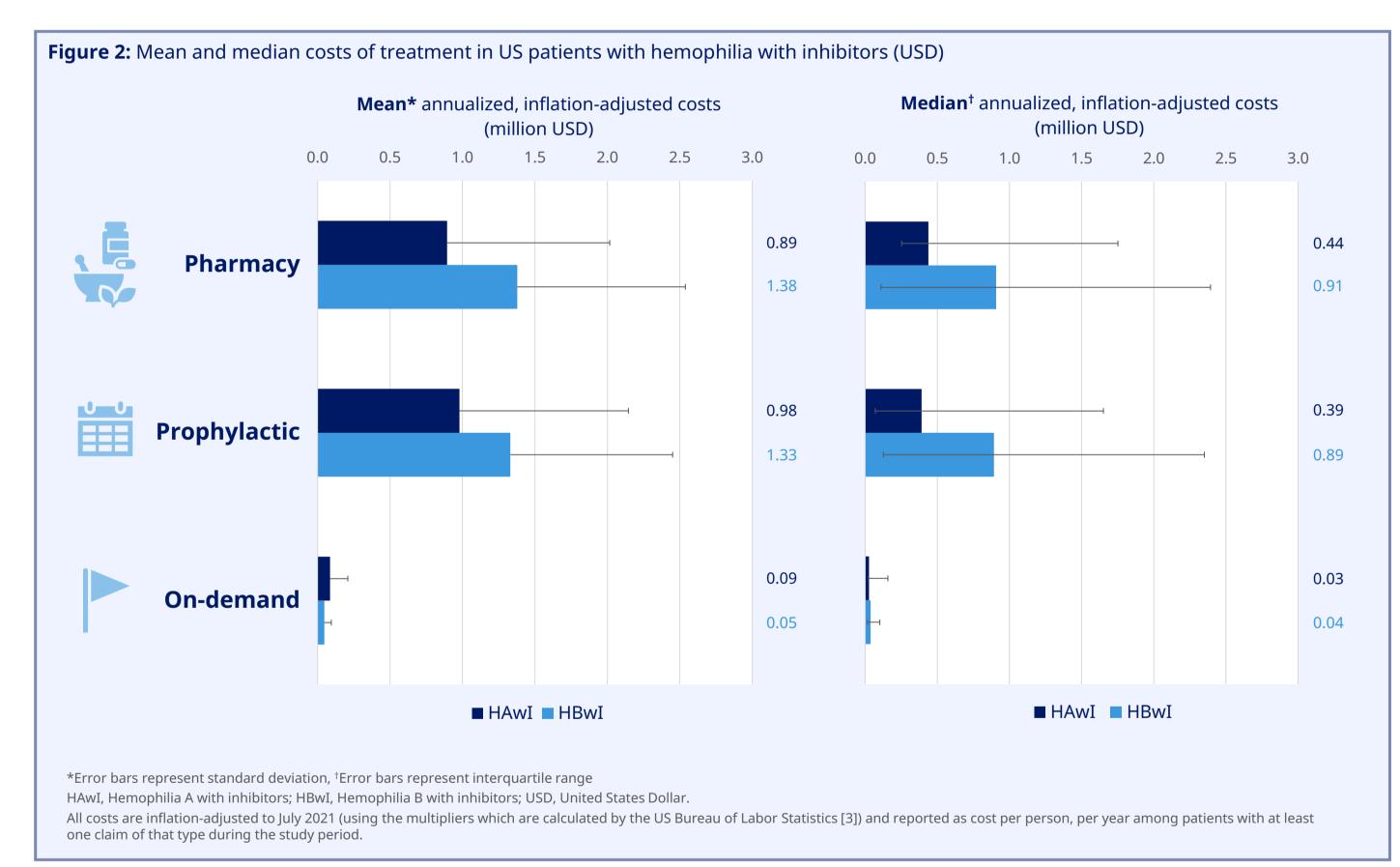
average age of 32 years

(standard deviation: 20;

HBwI patients were

identified, with an

- Average, inflationadjusted, annual pharmacy costs per patient were \$893,704 [median: \$438,527] and \$1,378,131 [\$906,982] for HAwI and HBwI, respectively.
- Annual costs averaged \$979,564 [median: \$391,247] and \$1,330,847 [\$892,868] for prophylactic treatment, and \$86,001 [\$27,203] and \$47,284 [\$37,482] for on-demand treatment per patient with HAwI and HBwI, respectively.



Conclusions

- Patients with hemophilia with inhibitors contribute significant economic burden to healthcare systems as a result of their treatment. However, current findings are limited by the comparatively small number of patients with hemophilia B with inhibitors.
- There is a need for more cost-saving, efficacious treatment options for patients with hemophilia with inhibitors.

Acknowledgments and disclosures:

HIV, and/or hepatitis B or C.

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Reference

[1] Puetz J, Soucie JM, Kempton CL, Monahan PE; Hemophilia Treatment Center Network (HTCN) Investigators. Prevalent inhibitors in haemophilia B subjects enrolled in the Universal Data Collection database. Haemophilia. 2014;20(1):25-31 [2] Meeks, SL, Batsuli, G; Hemophilia and inhibitors: current treatment options and potential new therapeutic approaches. Hematology. American Society of Hematology. Education Program, 2016(1), 657–662 [3] Consumer Price Index Inflation Calculator. United States Bureau of Labor Statistics https://www.bls.gov/data/inflation_calculator.htm (last accessed: March 2023)