

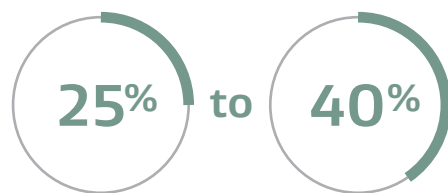
Projected clinical and economic benefits of improved patent foramen ovale testing among cryptogenic stroke patients in the United States¹

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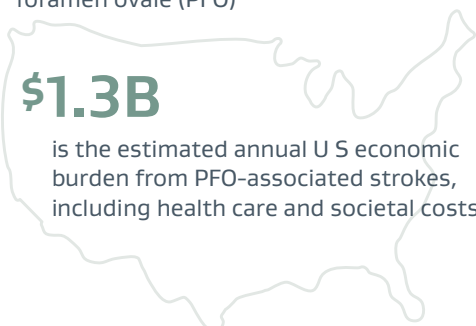
An in-depth analysis of stroke data reveals the significant patient- and budget-related impacts around the treatment of cryptogenic stroke (which occurs without a clear underlying cause), including screening, diagnosis, and device selection.

Current challenge

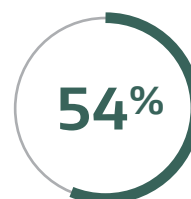
Unmet need/economic burden



of ischemic strokes are cryptogenic, with many potentially linked to undiagnosed patent foramen ovale (PFO)



Low rates of testing



Only 54% of eligible cryptogenic stroke patients currently receive PFO diagnostic testing



Limited access to specialized testing



Patient aversion to invasive procedures



Clinical and financial benefit uncertainty



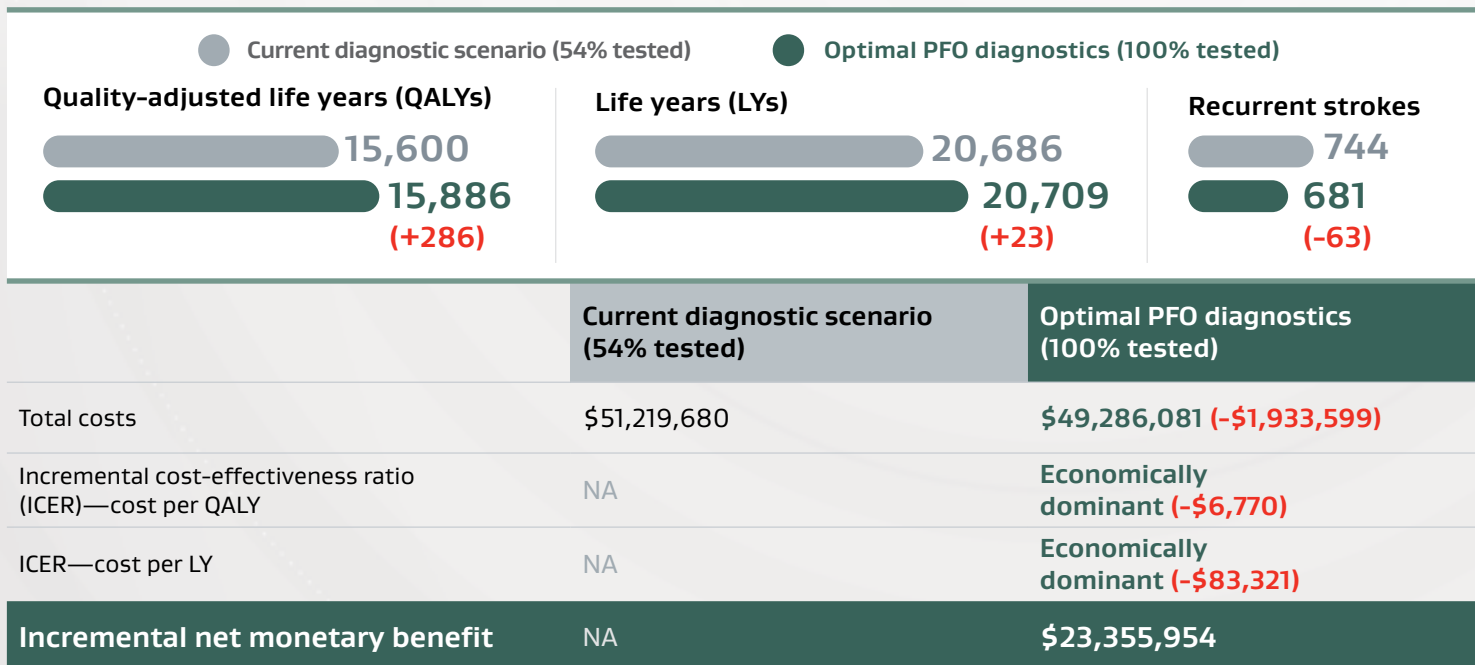
Underuse of diagnostic practices

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Increasing guideline-driven diagnostic testing for PFO could reduce costs and improve outcomes

Cost-effectiveness analysis model

Estimated health and economic impact of increasing PFO guideline-based diagnostic testing adherence from 54% to 100% in a simulated cohort of 1,000 patients with a history of cryptogenic stroke (over a lifetime horizon)



Conclusions

Increasing PFO diagnostic testing from 54% to 100% among cryptogenic stroke patients is **projected to prevent approximately 63 recurrent strokes and save 23 LYs per 1,000 patients.**

Enhanced PFO testing in the model yielded an estimated \$1.9 million in savings and 286 QALYs gained, making it a dominant strategy—**improved outcomes at lower costs.**

The model showed screening approximately 4 patients identified 1 PFO for closure and 7 screenings prevented 1 recurrent stroke, **demonstrating strong clinical efficiency.**

By changing the way we look at PFO screening, diagnosis, and treatment, we have the opportunity to reduce PFO-associated stroke costs and potentially improve patient outcomes.

Discover the potential impact of PFO diagnosis and treatment. [Access the full publication.](#)

NA, not applicable.

This analysis is intended to provide health care decision-makers with exploratory information on potential economic and health outcomes. It is not a substitute for clinical judgment and does not establish comparative clinical superiority or cost-effectiveness in all settings. Refer to the full publication for complete details on methodology and limitations. Institutions should consult their formulary or payer representatives for guidance on local applicability.

Reference

1. Volpi JJ, Kasner SE, Looman T, et al. Projected clinical and economic benefits of improved patent foramen ovale testing among cryptogenic stroke patients in the United States. *J Med Econ.* 2025;28(1):1137-1150. doi:10.1080/13696998.2025.2535236

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CONTRAINDICATIONS: The GORE® CARDIOFORM Septal Occluder is contraindicated for use in patients: unable to take antiplatelet or anticoagulant medications such as aspirin, heparin or warfarin; with anatomy where the GORE® CARDIOFORM Septal Occluder size or position would interfere with other intracardiac or intravascular structures, such as cardiac valves or pulmonary veins; with active endocarditis, or other infections producing bacteremia, or patients with known sepsis within one month of planned implantation, or any other infection that cannot be treated successfully prior to device placement; with known intracardiac thrombi.

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