

# Burn Model Systems (BMS) Funding

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March 25, 2025

*Spaulding Rehabilitation Hospital*

# State of the Burn Survivor

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- Over the last 15 years, **more than 425,000 people** with burn injuries have been discharged into the community in the United States.
- More patients are **surviving severe burn injuries**, with a current survival rate of 97%.
- The **length of hospital stay is getting increasingly shorter** leaving many newly injured individuals with a burn injury less prepared for their transition back into the community

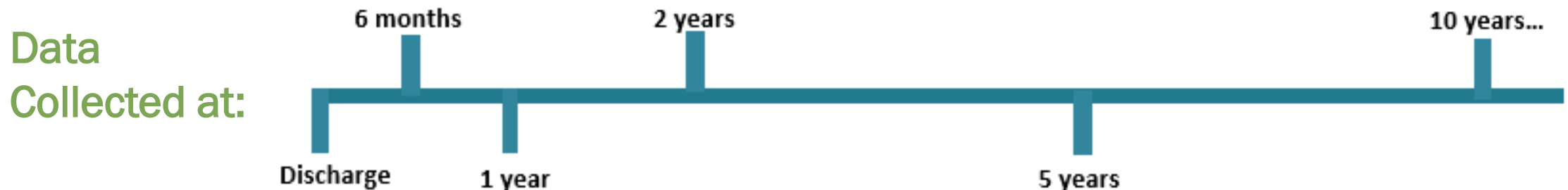
# BMS Overview

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- BMS Sites provide a full range of services from **acute services through a person's transition back into the community.**
- The research findings the BMS provides help patients, professionals, and the public **better understand and support the lifelong needs** of those impacted by burn injuries.
- The Burn Model System National Database is the **premier source of longitudinal data** and long-term outcomes research. In addition, it is the only database that collects longitudinal data on pediatric burn survivors.
- The total number of **Burn Model System Centers has remained the same since induction of the program in 1994**, limiting the ability to conduct research representative of the country as whole.

# BMS National Database

- The Burn Model Systems (BMS) Program began in 1994 and has information on **over 6,000** adults and children with burn injuries
- Data on pre-injury, injury, acute care, rehabilitation, and outcomes post-burn injury
- **Participants must meet one of the following (as of 2015):**
  - >10% total body surface area (TBSA) burned,  $\geq 65$  years with burn surgery for wound closure;
  - >20% TBSA burned, 0–64 years of age with burn surgery for wound closure;
  - Electrical high voltage/lightning injury with burn surgery for wound closure;
  - Hand burn and/or face burn and/or feet burn with burn surgery for wound closure



# Current BMS Sites



Keck School of  
Medicine of USC

UW Medicine

HARBORVIEW  
MEDICAL CENTER

UT Southwestern  
Medical Center

## Former BMS Sites:

University of Texas Medical Branch (1994 – 2017)

The Johns Hopkins University Burn Model System (1994 – 2012)

University of Colorado Denver Burn Model System (1994 – 1997)

# BMS Funding History



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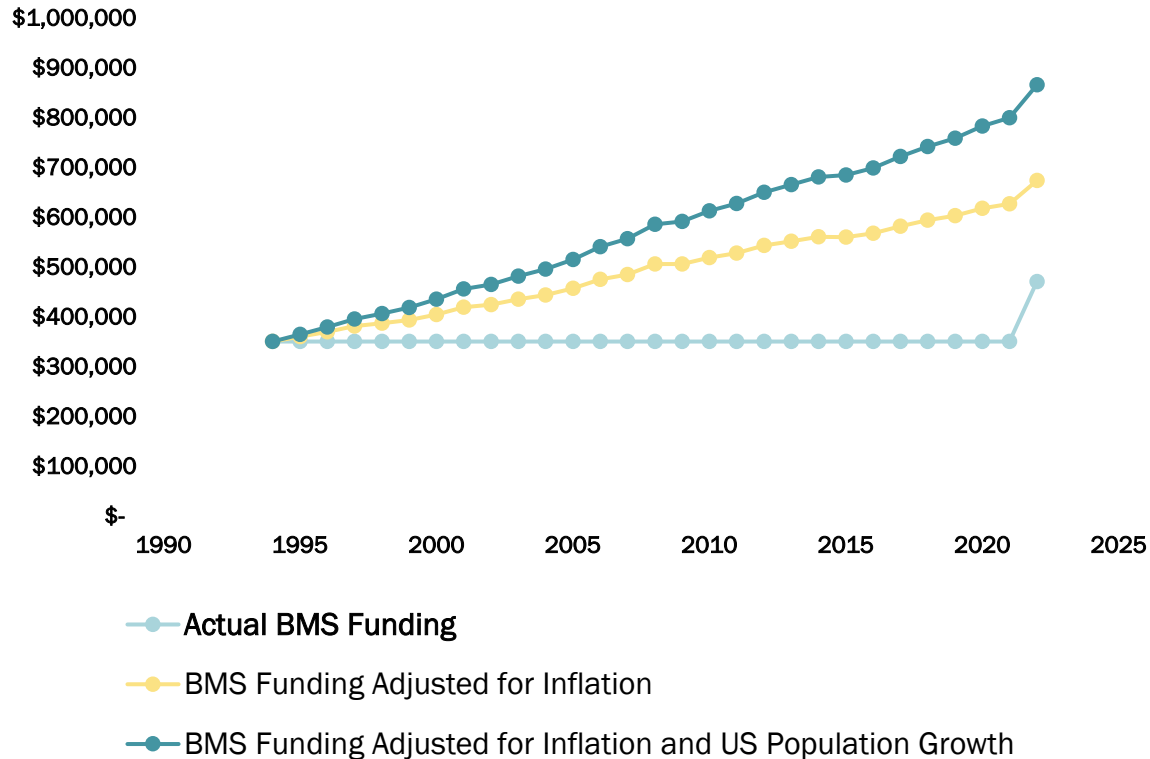
The federal funding for the BMS program **has remained essentially unchanged** and not kept up with the needs of the growing burn survivor population and additionally, has not grown with inflation.

The lack of increase in per-BMS Center funding has resulted in a **“do more with less” mentality**, leading to tighter budgets that limit the abilities of and increase the burden on the BMS sites as the burn population served continues to grow.

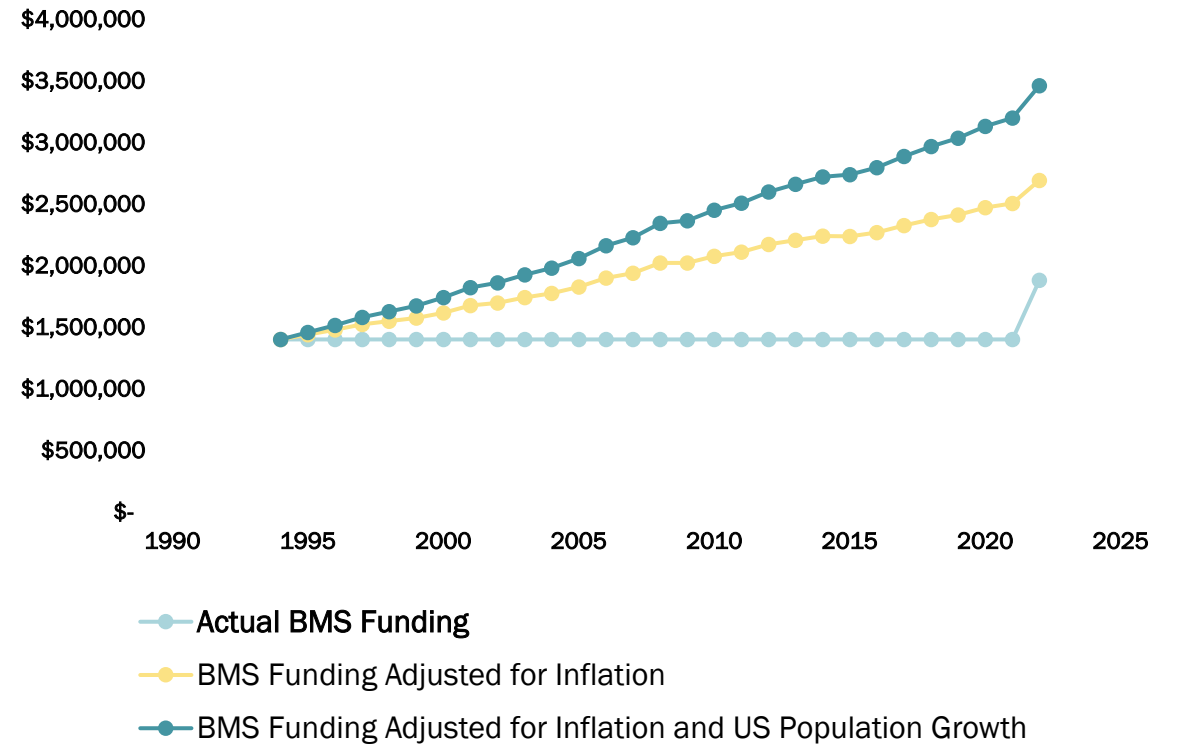
**Greater BMS funding is critical** to help us understand the needs beyond the acute care setting and begin to address them so those injured do not just survive but thrive after a traumatic injury.

# BMS Funding History (1994-Present)

## Individual BMS Center Funding



## Overall BMS Program Funding



# BMS Funding Requests

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**#1** Increase Funding & Number of Sites from 4 to 6  
*\$5.25M*

**#2** Develop New Opportunity for BMS Collaborative Research  
*\$900K*

**#3** Increase Funding for BMS National Data & Statistical Center  
*\$675K*

**#4** Increase Funding for Model Systems Knowledge Translation Center  
*\$2M*



**Questions?**

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