



MARYLAND
Health Care
Commission

Leapfrog Hospital Safety Grades: An Update on Maryland Performance

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Background

- ▶ The Leapfrog Hospital Safety Grade is a composite score made up of up to 22 evidence-based measures of patient safety.
- ▶ A numerical score is calculated for all eligible hospitals in the U.S.
 - ▶ These national performance measures of patient safety indicate how well hospitals protect patients from preventable errors, injuries and infections.
- ▶ Grades are assigned to U.S. acute care hospitals using a scoring algorithm to determine each hospital's score as an A, B, C, D, or F letter grade.
- ▶ Grades are issued twice annually– Spring and Fall.

Source: <https://www.hospitalsafetygrade.org/HospitalFAQ#What%20is%20the%20Leapfrog%20Hospital%20Safety%20Grade?>



Data Sources and Reporting Periods

- ▶ Data Sources: CMS, Annual Leapfrog Hospital Survey
 - ▶ The Leapfrog Annual Survey is optional; if the hospital does not complete a survey, Leapfrog uses secondary data sources or imputation modeling
 - ▶ All Maryland hospitals completed the survey
- ▶ Reporting periods vary by measure
 - ▶ Leapfrog Survey – 2024
 - ▶ Harmful/rare events – July 2021-June 2023
 - ▶ Infections – July 2023-June 2024
 - ▶ Patient Satisfaction – January 2023-December 2023



Measures

▶ Process/Structural Measures (12)

- ▶ Computerized Physician Order Entry
- ▶ Bar Code Administration
- ▶ ICU Physician Staffing
- ▶ Safe Practice 1: Culture of Leadership Structures and Systems
- ▶ Safe Practice 2: Culture Measurement, Feedback & Interventions
- ▶ Total Nursing Care Hours per Patient Day
- ▶ Hand Hygiene
- ▶ Nurse Communication
- ▶ Doctor Communication
- ▶ Staff Responsiveness
- ▶ Communication about Medicine
- ▶ Discharge Information

▶ Outcome Measures (10)

- ▶ Foreign Objects Retained
- ▶ Air Embolism
- ▶ Falls and Trauma
- ▶ CLABSI
- ▶ CAUTI
- ▶ SSI: Colon
- ▶ MRSA
- ▶ C. Diff
- ▶ PSI 4: Death rate among surgical inpatients with serious treatable complications
- ▶ CMS Medicare PSI 90: Patient safety and adverse events composite



History

- ▶ Leapfrog began grading hospitals in 2012
- ▶ Maryland hospitals did not participate
 - ▶ Not enough publicly available data
- ▶ MHCC collaborated with Leapfrog to begin calculating Patient Safety Indicator (PSIs) and Hospital Acquired Conditions (HACs) using HSCRC case mix data that were not otherwise publicly available for Maryland facilities
- ▶ Maryland hospitals received the first grades in Fall 2017
 - ▶ Ranked 48th nationally
 - ▶ A – 1 (2%)
 - ▶ B – 7 (16%)
 - ▶ C – 27 (61%)
 - ▶ D – 8 (18%)
 - ▶ F – 1 (2%)

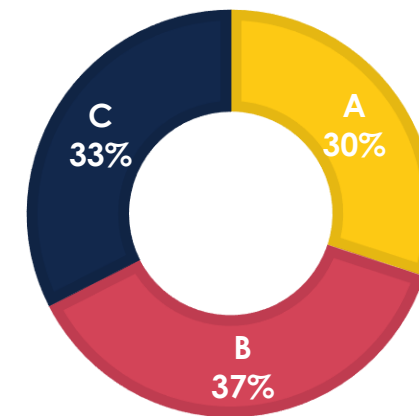


Current Performance – Spring 2025

- ▶ Ranked 21st nationally
 - ▶ Based on percentage of A grades (30%)
 - ▶ 40 hospitals received a grade. Since Fall 2024:
 - ▶ 11 hospitals improved
 - ▶ 7 hospitals declined
 - ▶ 22 hospitals showed no change (8 A's)

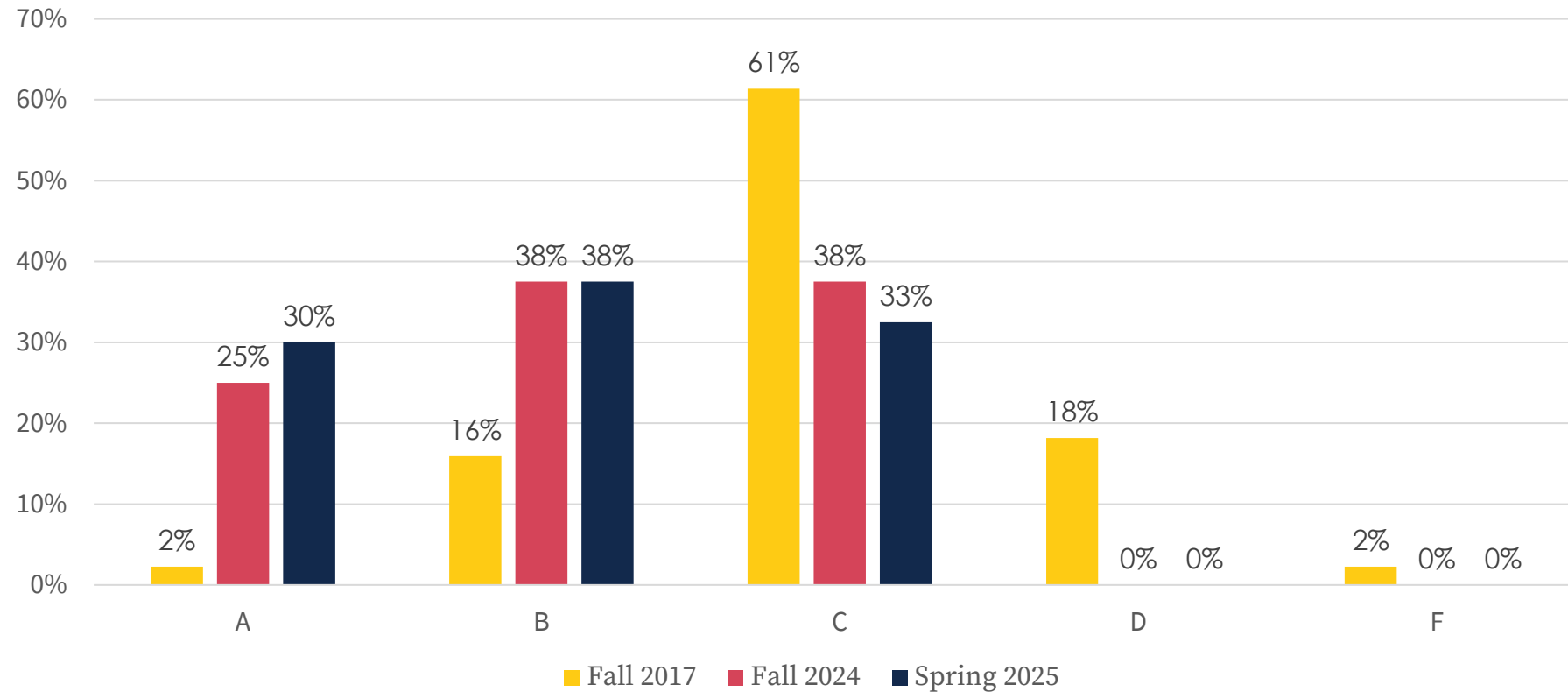
SPRING 2025
HOSPITAL SAFETY GRADE RESULTS

■ A ■ B ■ C ■ D ■ F





Results – Past and Present



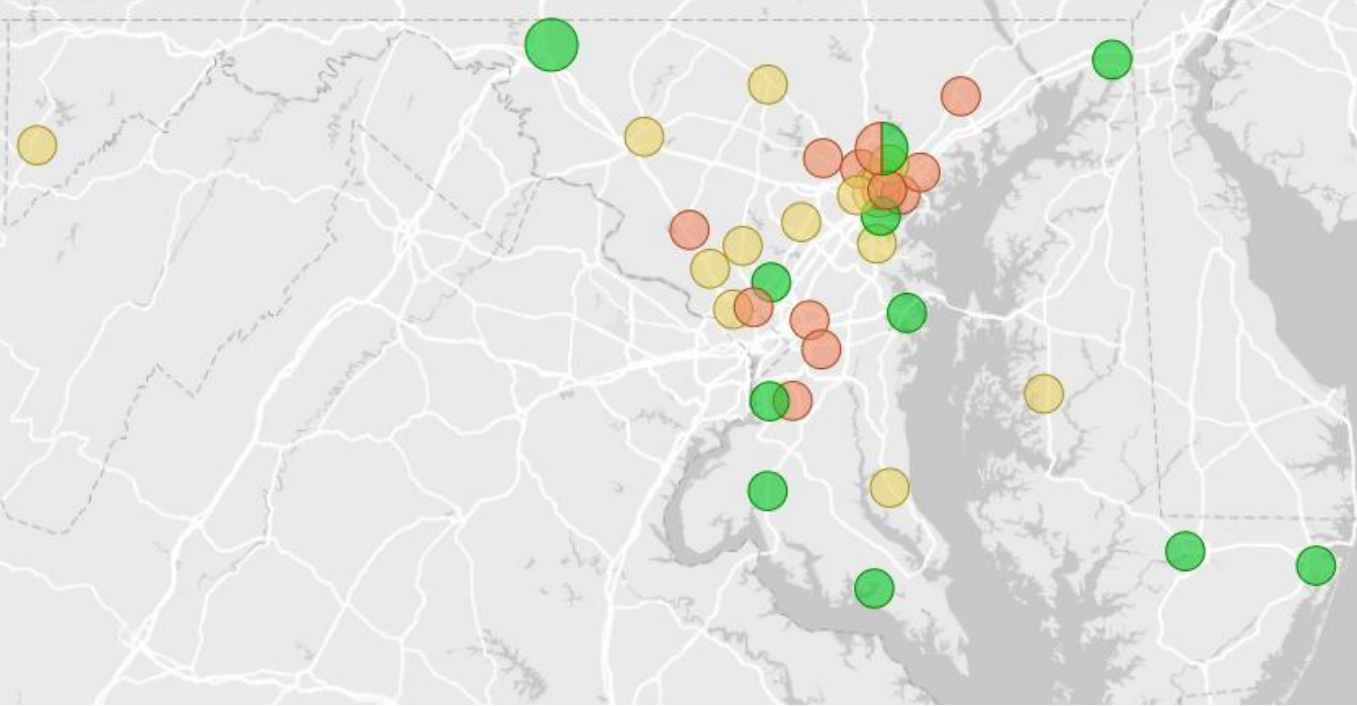


Results – Geographic View

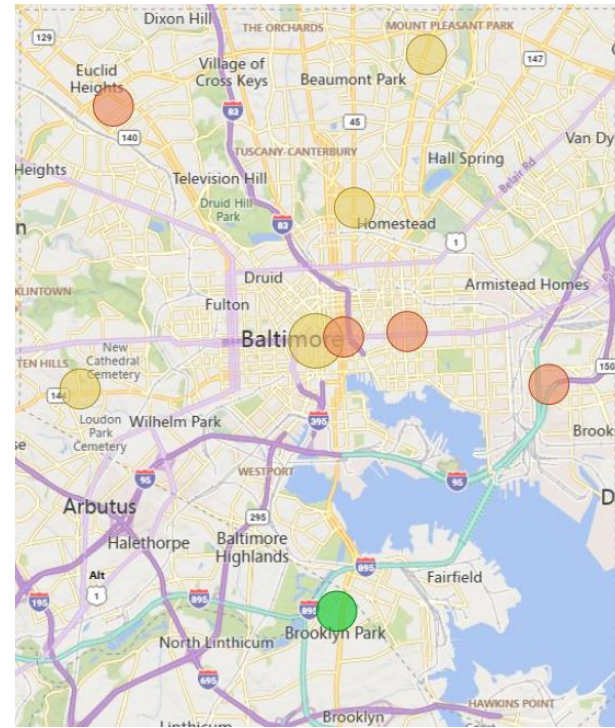
Statewide

Spring 2025 Leapfrog Grades by Zip Code

Spring Grades ● A ● B ● C



Baltimore City





Hospital Performance – Spring 2025

A Hospitals

Adventist HealthCare White Oak Medical Center*

Luminis Health Anne Arundel Medical Center*

Meritus Medical Center*

TidalHealth Peninsula Regional*

UM St. Joseph Medical Center*

Adventist Healthcare Fort Washington Medical Center

Atlantic General Hospital

ChristianaCare – Union Hospital

MedStar Harbor Hospital

MedStar St. Mary's Hospital

UM Charles Regional Medical Center

UPMC Western Maryland

* Indicates Straight A's for the past 5 grading cycles

B Hospitals

Adventist HealthCare Shady Grove Medical Center

Ascension Saint Agnes Hospital

CalvertHealth Medical Center

Carroll Hospital Center

Frederick Health Hospital

Garrett Regional Medical Center

Johns Hopkins Howard County General Hospital

MedStar Good Samaritan Hospital

MedStar Montgomery Medical Center

MedStar Union Memorial Hospital

Suburban Hospital

UM Baltimore Washington Medical Center

University of Maryland Medical Center

UM Medical Center Midtown Campus

UM Shore Medical Center at Easton

C Hospitals

Greater Baltimore Medical Center

Holy Cross Germantown Hospital

Holy Cross Hospital

Johns Hopkins Bayview Medical Center

Luminis Health Doctors Community Medical Center

MedStar Franklin Square Medical Center

MedStar Southern Maryland Hospital Center

Mercy Medical Center

Northwest Hospital

Sinai Hospital of Baltimore

Johns Hopkins Hospital

UM Capital Region Medical Center

UM Upper Chesapeake Medical Center



State Rankings* – Spring 2025

- | | | |
|--------------------------------|-----------------------------|--------------------------|
| 1. Utah – 60.7% | 18. Maine – 33.3% | 35. Georgia – 24.1% |
| 2. Rhode Island – 55.6% | Montana | 36. Kansas – 23.3% |
| 3. New Jersey – 54.5% | 20. Illinois – 32.1% | Kentucky |
| 4. Connecticut – 50% | 21. Maryland – 31.7% | 38. Oregon – 50% |
| 5. South Carolina – 47.1% | Oklahoma | 39. Arkansas – 20% |
| Virginia | 23. New Hampshire – 30.8% | 40. Missouri – 16.9% |
| 7. Colorado – 45.7% | 24. Michigan – 29.6% | 41. Hawaii – 16.7% |
| 8. Delaware – 42.9% | 25. Alaska – 28.6% | 42. Nebraska – 15% |
| 9. California – 42.8% | Idaho | 43. Alabama – 10.5% |
| 10. Pennsylvania – 42.4% | 27. Arizona – 28% | 44. South Dakota – 10% |
| 11. District of Columbia – 40% | 28. Massachusetts – 27.3% | 45. Minnesota – 9.1% |
| 12. North Carolina – 38% | 29. Washington – 27.1% | 46. New Mexico – 5.6% |
| 13. Tennessee – 37% | 30. Wisconsin – 25.4% | 47. West Virginia – 4.5% |
| 14. Florida – 36.6% | 31. New York – 25.2% | 48. Iowa – 0% |
| 15. Texas – 36.2% | 32. Indiana – 25% | North Dakota |
| 16. Nevada – 35% | 33. Ohio – 24.8% | Vermont |
| 17. Louisiana – 34.5% | 34. Mississippi – 24.3% | Wyoming |

*Based on percentage of A hospitals



Questions?