# Brightly
A Siemens Company

# Annual check-up:
## Time for healthcare to examine its assets

5 trends leading to a shift in asset and energy management for 2023

## Trend 1
### Health and safety for all

Health and safety have always been a priority for hospitals and senior communities. COVID-19 increased this pressure via:

- Space reutilization, planning and maximization
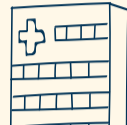- HVAC management regulations
- Increased cleaning requirements

**Old data that takes on new meaning**
Data from a recent Brightly survey revealed:

The average age for U.S. hospitals in 2015 ranged from **10.78 to 11.48 years**
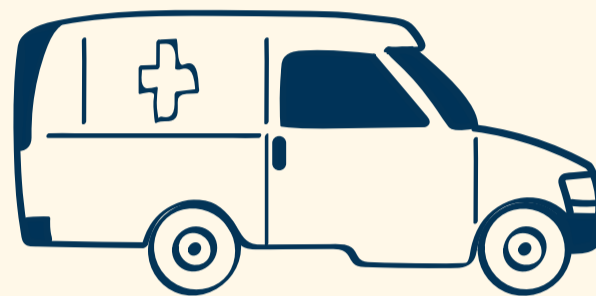
In 1994, it was **8.6[1] years**

This **3-year increase** in the average age reflected struggle raising capital to update facilities

## Trend 2
### Supply chain-driven cost increases

Modernizing operational functions could save healthcare institutions considerable time and money.

**Billion-dollar healthcare bill(s)**
Optimizing asset management is critical. US hospitals waste between
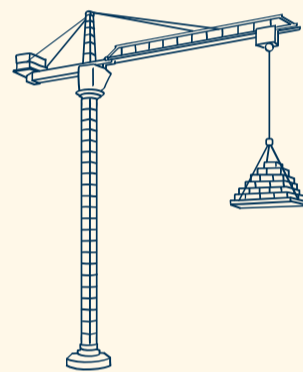
# $760 to $935
# billion

which is about

# 25%
of total U.S. healthcare spending[2]

**And don't forget about construction**
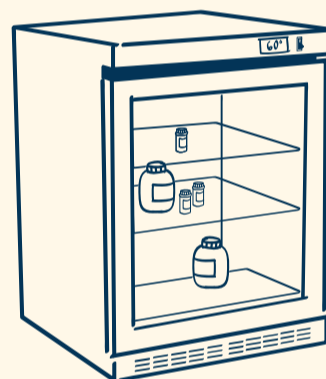Healthcare infrastructure asset data from a recent Brightly survey revealed:

- $**243 billion** immediate investment needed
- Facility assets are aging out of useful life at **$1–$2 billion/month**
- ~**$39 billion** annual investment needed over next **10 years ($391 billion total)** to adequately update assets

## Trend 3
### Rising complexity of assets

Hospitals and senior care communities can leverage technology in facilities to improve the quality of patient care and optimize asset performance.
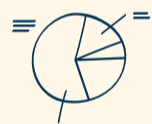
**Save the whiteboards for the patients**
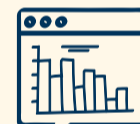With smarter assets, management systems can be optimized in a variety of ways, including:

Creating smart hospital and senior care community designs

Establishing data collection technology

Fostering interoperability among devices

Developing a centralized data storage platform

## Trend 4
### Rising energy costs

With increased expenses, hospitals and senior care communities feel the crunch in the energy bill.

**Shining a light on an industry's climate footprint**
Globally, the healthcare sector has some pretty big boots:

A climate footprint equivalent to the annual greenhouse gas emissions of **514 coal-fired power plants.[3]**

If the health sector were its own country, it would be the **fifth-largest emitter on the planet.[3]**

Healthcare is responsible for **as much as 4.6%** of total greenhouse gas emissions worldwide.[4]

## Trend 5
### Sustainability

Opportunity exists for health systems and senior care communities to achieve sustainable futures.

**Read the chart: A case for an upgrade**
Hospitals are notorious energy wasters. Hospitals and senior care communities use as much as **2.5 times more energy** than any other commercial building of comparable size.[5]

# 2.5x

Ready to dive deeper into market trends affecting healthcare? Check out our guides to learn how **hospitals** and **senior care communities** can use technology to help modernize operations.

**Talk to an expert today!**

## Sources

1 American Society for Healthcare Engineering (ASHE) and the American Institute of Architects' Academy of Architecture for Health: "A closer look at U.S. health care infrastructure."
2 Journal of the American Medical Association: "Waste in the US Health Care System: Estimated Costs and Potential for Savings."
3 Healthcare without Harm and Arup: "Health Care's Climate Footprint."
4 The Commonwealth Fund: "How the U.S. Health Care System Contributes to Climate Change."
5 Medical Construction and Design Magazine: Full-system integration: Solutions and benefits of optimizing lighting and HVAC control