



Louisiana Department of Health Coastal Flood Risk and Resilience

Presented by the Coastal Protection and Restoration Authority and Louisiana State University Economics & Policy Research Group

Coastal Flood Risk in Louisiana

Every day, the lives and livelihoods of our residents are affected by the challenge of wetland loss along Louisiana’s Gulf Coast.

Whether you live along the coast or inland, the impacts of land loss and coastal storm surge-based flood risk ripple across our state. While the cost of hurricane impacts may total in the billions of dollars, the effects are also uniquely personal. A family may be forced to leave a community they have called home for generations after their house is damaged by a storm; a local business may have trouble affording flood insurance; or a hospital or clinic may lose power and face disruptions to providing the essential services on which communities rely.

Coastal Flood Risk to Hospitals

Current Day Risk

Hospitals face increasing risk from coastal storm surge-based flooding over the next 50 years. Under **current day** conditions, a 1% annual chance flood event would impact approximately **3% of hospitals in coastal Louisiana (2 hospitals)**.

Future Risk Without Action

However, impacts from the same 1% annual chance flood event occurring **50 years in the future without additional protection or restoration actions** could have significantly more severe impacts on hospitals. **In fact, 15% of hospitals in coastal Louisiana could be impacted by coastal flooding (11 hospitals)**.



Coastal Flood Risk to Medicaid Providers and Recipients

Current Day Risk

Medicaid providers and Medicaid recipients also face increasing risk from coastal storm surge-based flooding over the next 50 years. A 1% annual chance flood event under current day conditions would impact approximately **1,560 of Louisiana’s Medicaid providers** (or 1% of Medicaid providers in coastal

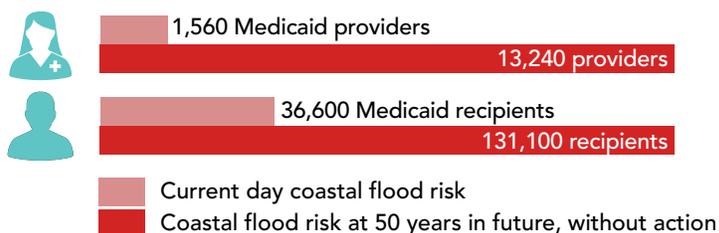
Louisiana). This would also impact approximately **36,600 individuals covered by Medicaid** (or 4% of the total Medicaid population in coastal Louisiana).

Future Risk Without Action

Impacts from the same 1% annual chance flood event occurring **50 years in the future without additional protection or restoration actions** could have significantly more severe impacts on Medicaid providers and Medicaid recipients. **In fact, 9 times more Medicaid providers would face impacts from such a flood event in comparison to today.** This means that 13,240 Medicaid providers (or 13% of Medicaid providers in coastal Louisiana) could be impacted by coastal flooding.

Similarly, 4 times more Medicaid recipients would face impacts from such a flood event in comparison to today.

This means that 131,100 Medicaid recipients (or 14% of the Medicaid population in coastal Louisiana) could be impacted by coastal flooding.



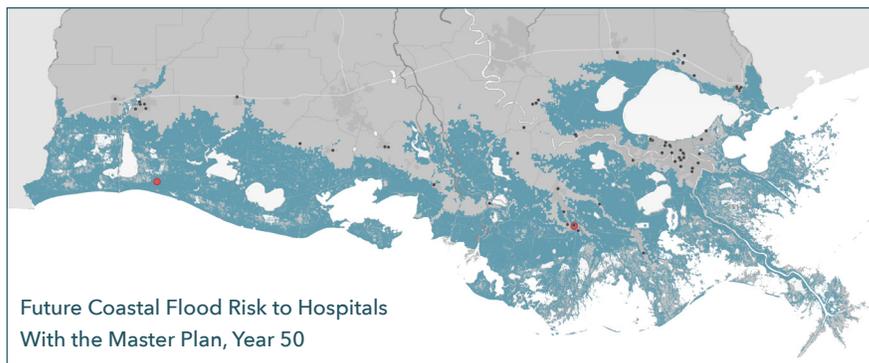
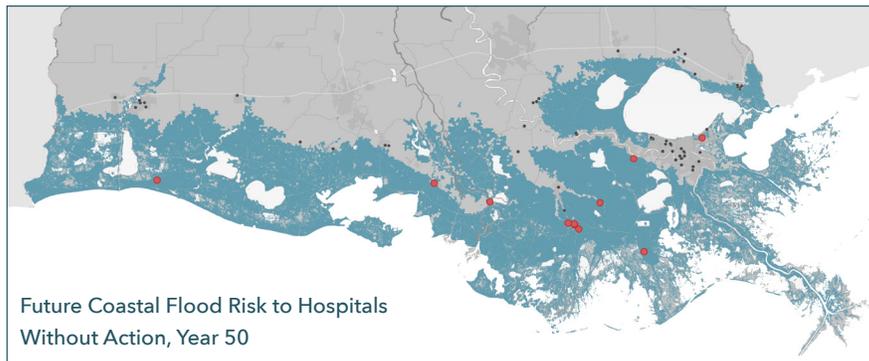
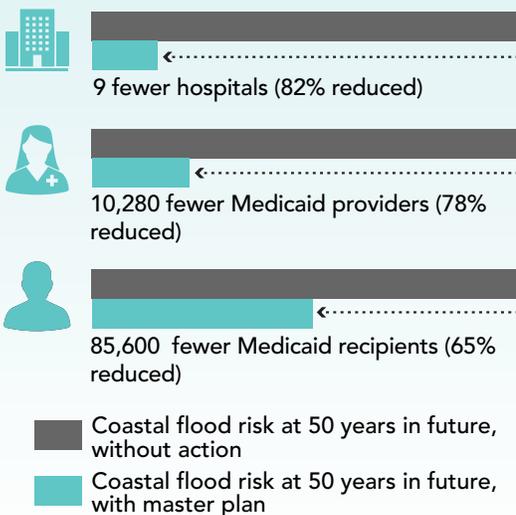
We encourage all Louisiana Department of Health employees to learn more about Louisiana’s changing coastal landscape and the potential impacts faced by hospitals, health care providers, and care recipients, especially by the communities most vulnerable to this risk. The Coastal Protection and Restoration Authority (CPRA) through the 2017 Coastal Master Plan is working to create safer communities and a more sustainable landscape.

Learn more about how we can work to reduce the impacts of coastal flooding on hospitals, Medicaid providers, and Medicaid recipients.

How Do We Look Toward the Future?

With the 2017 Coastal Master Plan, CPRA is recommending a wide range of restoration and protection projects to reduce coastal land loss and flood risk. With the master plan projects in place, we can achieve an **82% reduction in the number of hospitals impacted by coastal flood risk**.

Similarly, we can significantly reduce the number of Medicaid providers and Medicaid recipients at risk. For instance, with the implementation of the master plan, we can achieve a **78% reduction in the number of Medicaid providers impacted and a 65% reduction in Medicaid recipients impacted**.



Louisiana's health care system, including hospitals, Medicaid providers, and Medicaid recipients, faces increasing impacts from coastal flood risk. **The State of Louisiana is working to create a bright and resilient future, and the 2017 Coastal Master Plan recommends a diversity of projects to build land and reduce coastal flood risk to achieve that future.** We hope that LDH employees will:

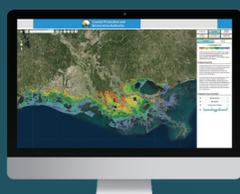
- **Become aware** of predicted future coastal land change and flood risk
- **Understand how the mission of LDH and the populations served could be impacted** by predicted future coastal changes
- **Share this information** with professional and personal networks

Together, we can plan for a more resilient and prepared health care safety net.

Louisiana's Coastal Master Plan



2017 Coastal Master Plan
<http://coastal.la.gov/our-plan/2017-coastal-master-plan>



Master Plan Data Viewer
<http://cims.coastal.louisiana.gov/masterplan>



Flood Risk and Resilience Program
<http://coastal.la.gov/our-plan/2017-coastal-master-plan/flood-risk-and-resilience-program>

Story Maps

Louisiana's Working Coast
<https://arcg.is/9fjen>

