Northeast U.S. Hurricane Risk

Category at

Category 3

Unnamed (1903) Unnamed (1924)

3 Unnamed (1934)

6 Carol (1954)

🕖 Edna (1954)

8 Donna (1960)

Gerde (1969)
Agnes (1972)

11 Belle (1976)

12 Gloria (1985)

14 Sandy (2012)

1B Bob (1991)

4 Great New England (1938)

(14)

5 Great Atlantic (1944)

Northeast Landfall Category 1 Category 2



Great New England Hurricane of 1938 Most powerful Northeast hurricane of the 20th century

Great Atlantic Hurricane of 1944 First use of aircraft reconnaissance

Hurricane Carol, 1954 Prompted formation of National Hurricane Center

Hurricane Edna, 1954 Followed Hurricane Carol by 10 days

Hurricane Donna, 1960 Boston records 145 mph wind gust

Hurricane Gloria, 1985 1.5 million New Yorkers lose power

Hurricane Bob, 1991 Second-costliest hurricane at the time

Hurricane Sandy, 2012 Largest hurricane ever recorded: 1,100 miles wide



Since 1900, **14** hurricanes have made landfall in the northeast, **5** at Category 3

Storms that reach the northeast are commonly characterized by rapid forward movement, high winds, and coastal flooding





Note that hurricanes that reach the Northeast are often in the process of extratropical transition; some are no longer tropical at the time of landfall, but can maintain hurricane-strength winds.

WHAT CAN HAPPEN NEXT TIME?



This scenario results in total insured losses of USD 20.7 billion, which corresponds to roughly a 1% exceedance probability for the Northeast.