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2015 Healthcare Worker Immunization Assessment Report

The Maine Immunization Program conducts an annual immunization assessment of State of Maine Healthcare Workers. Rules pursuant to 22 M.R.S. § 802 requires each designated healthcare facility in the State of Maine to require from all employees proof of immunization or documented immunity against Hepatitis B, Measles, Mumps (not mandated but highly desirable), Rubella and Varicella. The healthcare facility should also adopt a uniform, permanent health record for maintaining information regarding the health status of each employee and report the immunization status of all employees to the Maine CDC annually.

The 2015 Healthcare Worker Immunization Survey was conducted online from October to December 31, 2015. The vaccination data reported by all facility types was analyzed and a summary table was generated (Table 1). Hospital specific data was analyzed separately and graphical representations of these results by vaccine type can be found on the following pages (Figures 1-5).

Vaccination is the most effective and efficient way to ensure that healthcare workers, their family members and patients, particularly those who are immunocompromised, are protected against these vaccine preventable diseases. This is perhaps one of the most important reasons why it would be advantageous for facilities to meet all requirements of the Maine Immunization Healthcare Workers law and to help reach the goal of the Maine Immunization Program to bring the State vaccine coverage rate average for each of these vaccines to 100%.

Table 1: Immunization Rates by Facility Type

2015 Healthcare Worker Immunization Rates by Facility Type, Statewide								
Vaccine	Assisted Living	Home Health	Hospital	Intermediate Care/MR	Licensed Nursing	Multi-Level Healthcare	Residential Care	All Reporting Facilities
# Facilities Assessed	38	10	35	7	34	19	52	195
Hepatitis B	46%	66	92	68	74	79	61	85
Measles	76%	84	98	91	92	97	75	86
Mumps	76%	84	98	89	92	97	75	95
Rubella	76%	86	98	92	92	97	74	96
Varicella	57%	90	98	90	92	97	78	95

Figure 1: Hepatitis B Vaccination Compliance

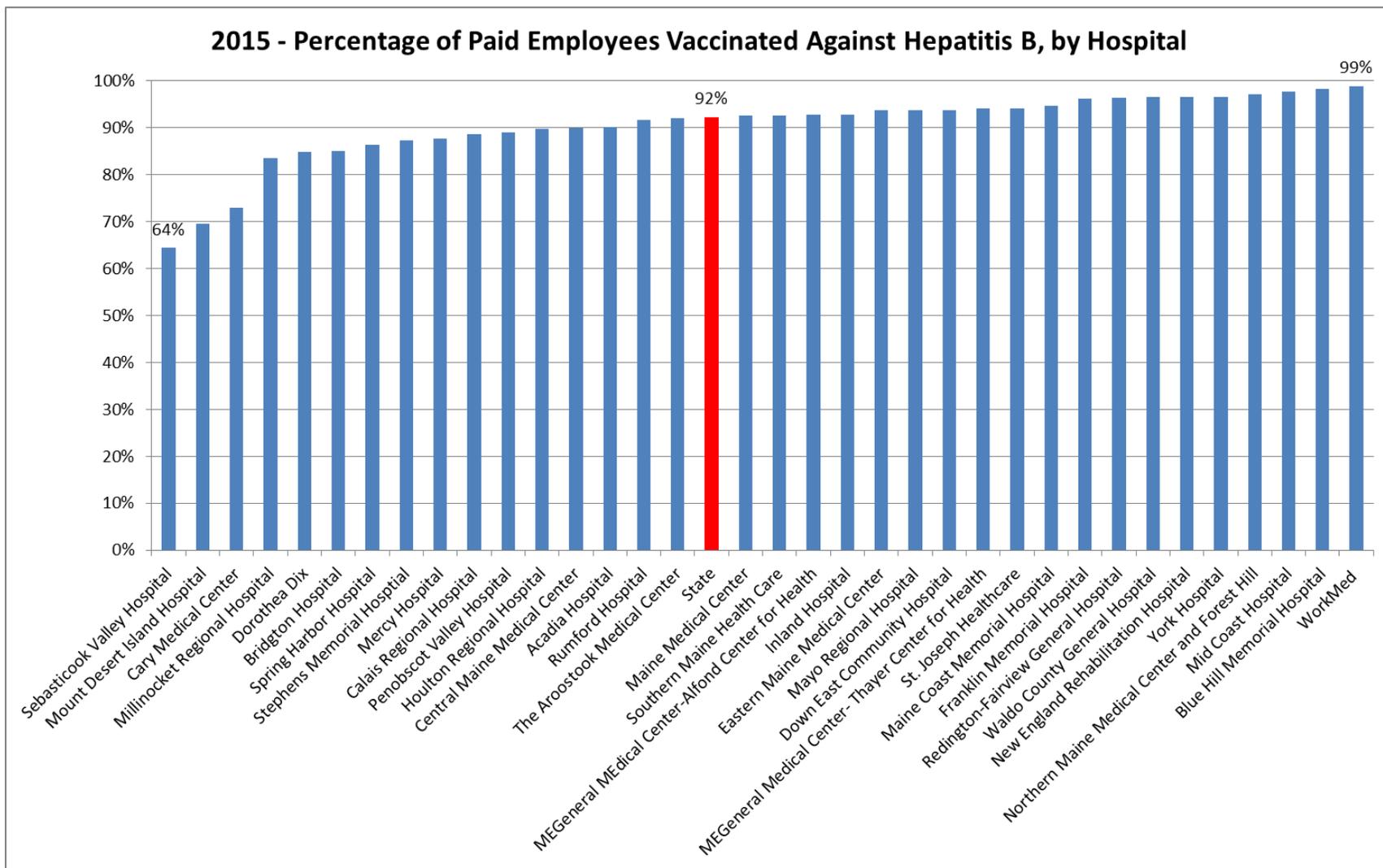


Figure 1: The bars in the graph above represent the percent of healthcare workers who are immune to hepatitis B by vaccination or have laboratory evidence of immunity. The Hepatitis B data has been adjusted for negative serology after two vaccination series.

Figure 2: Measles Vaccination Compliance

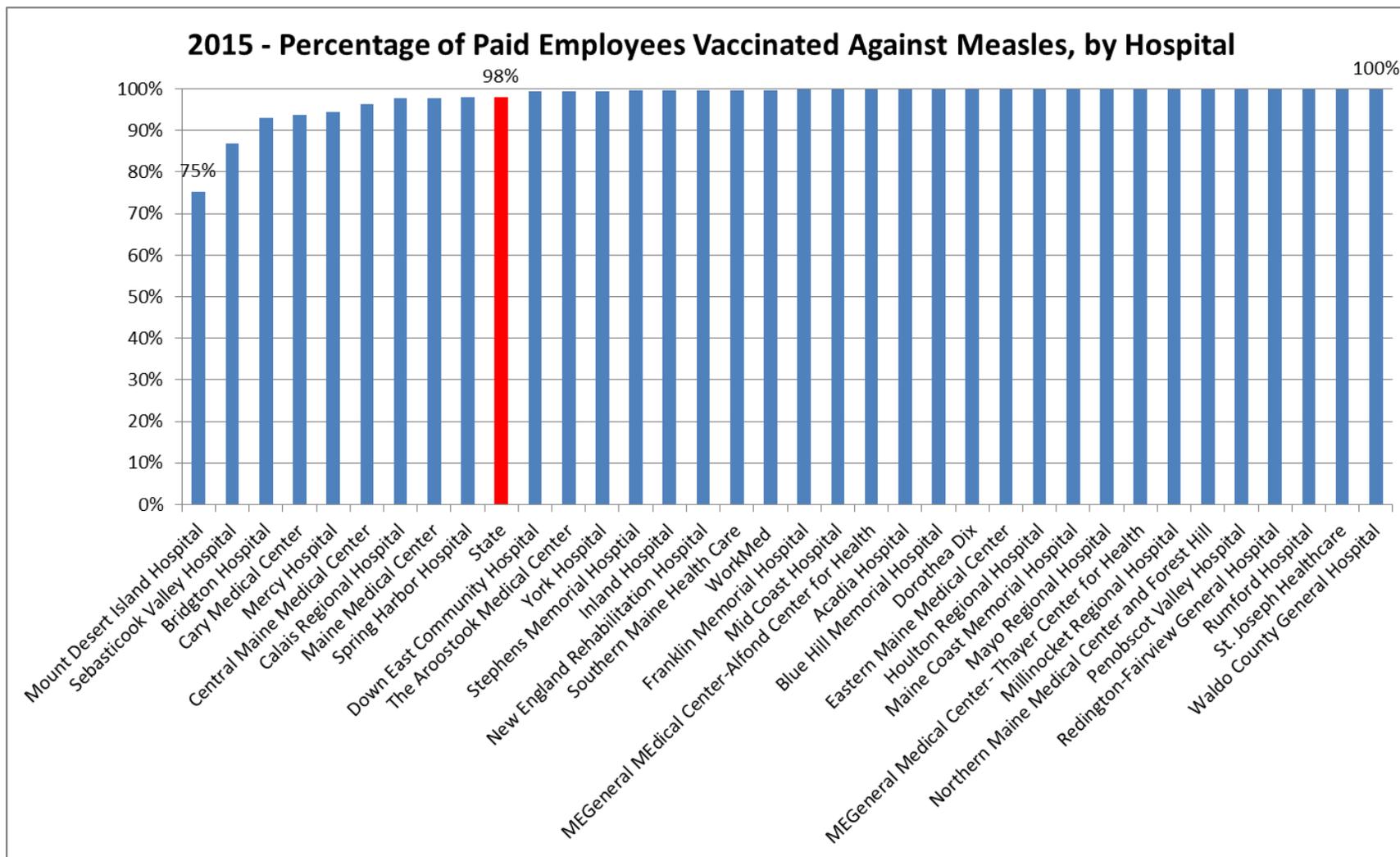


Figure 2: The bars in the graph above represent the percent of healthcare workers who are immune to measles by vaccination or have laboratory evidence of immunity. The data was adjusted for religious, medical, and philosophical exemptions.

Figure 3: Mumps Vaccination Compliance

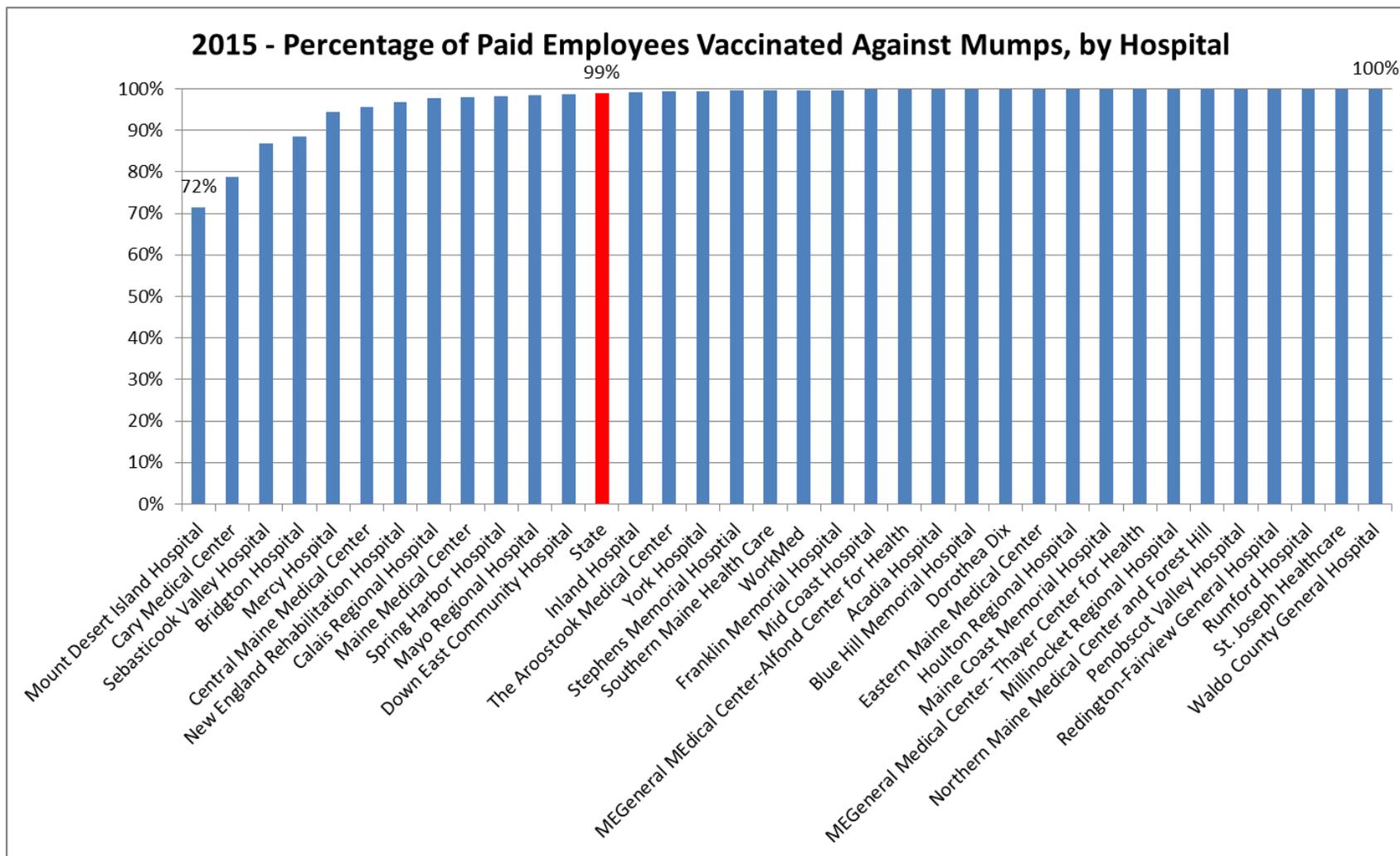


Figure 3: The bars in the graph above represent the percent of healthcare workers who are immune to mumps by vaccination or have laboratory evidence of immunity. The data was adjusted for religious, medical and philosophical exemptions.

Figure 4: Rubella Vaccination Compliance

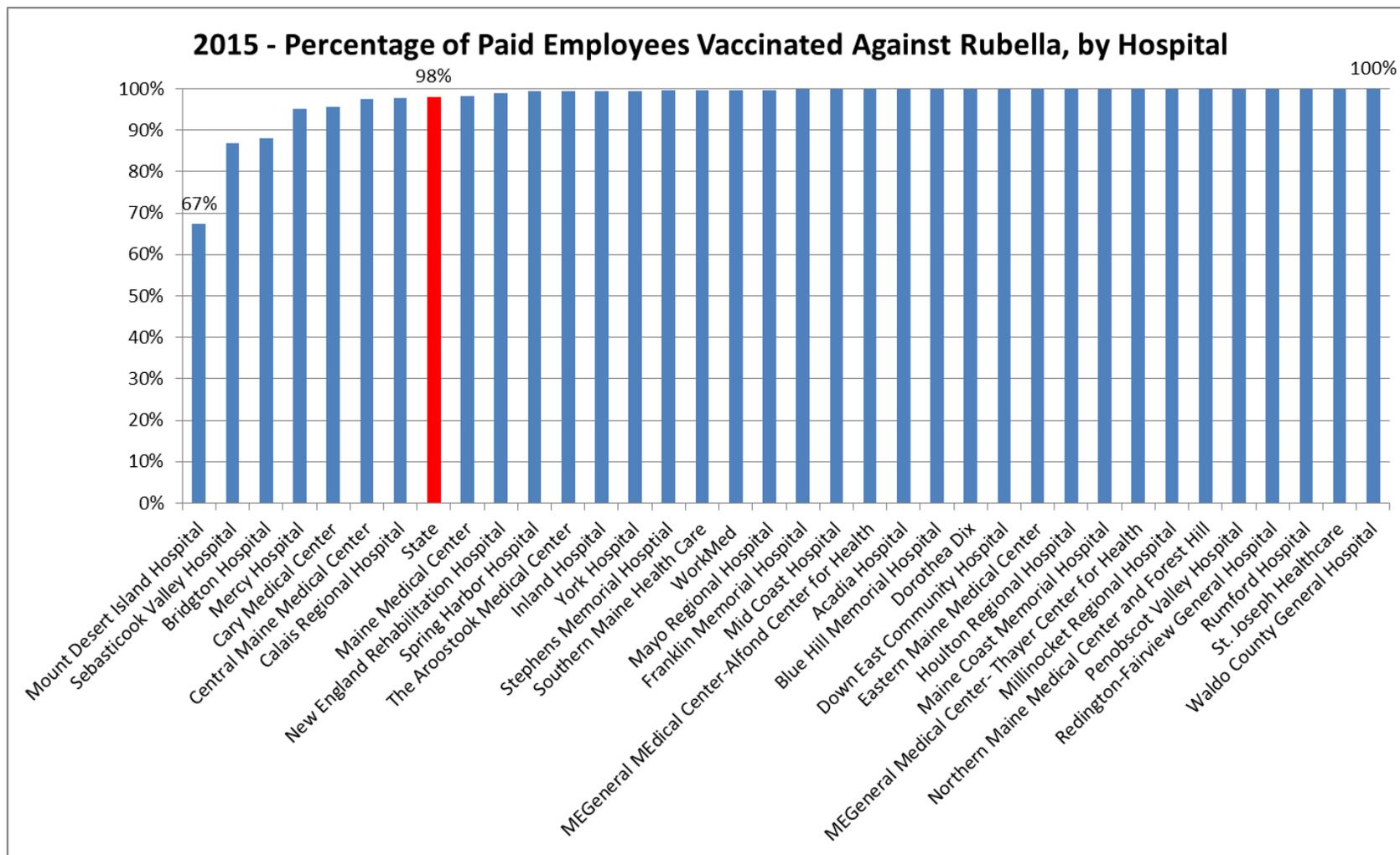


Figure 4: The bars in the graph above represent the percent of healthcare workers who are immune to rubella by vaccination or have laboratory evidence of immunity. The data was adjusted for religious, medical, and philosophical exemptions.

Figure 5: Varicella Vaccination Compliance

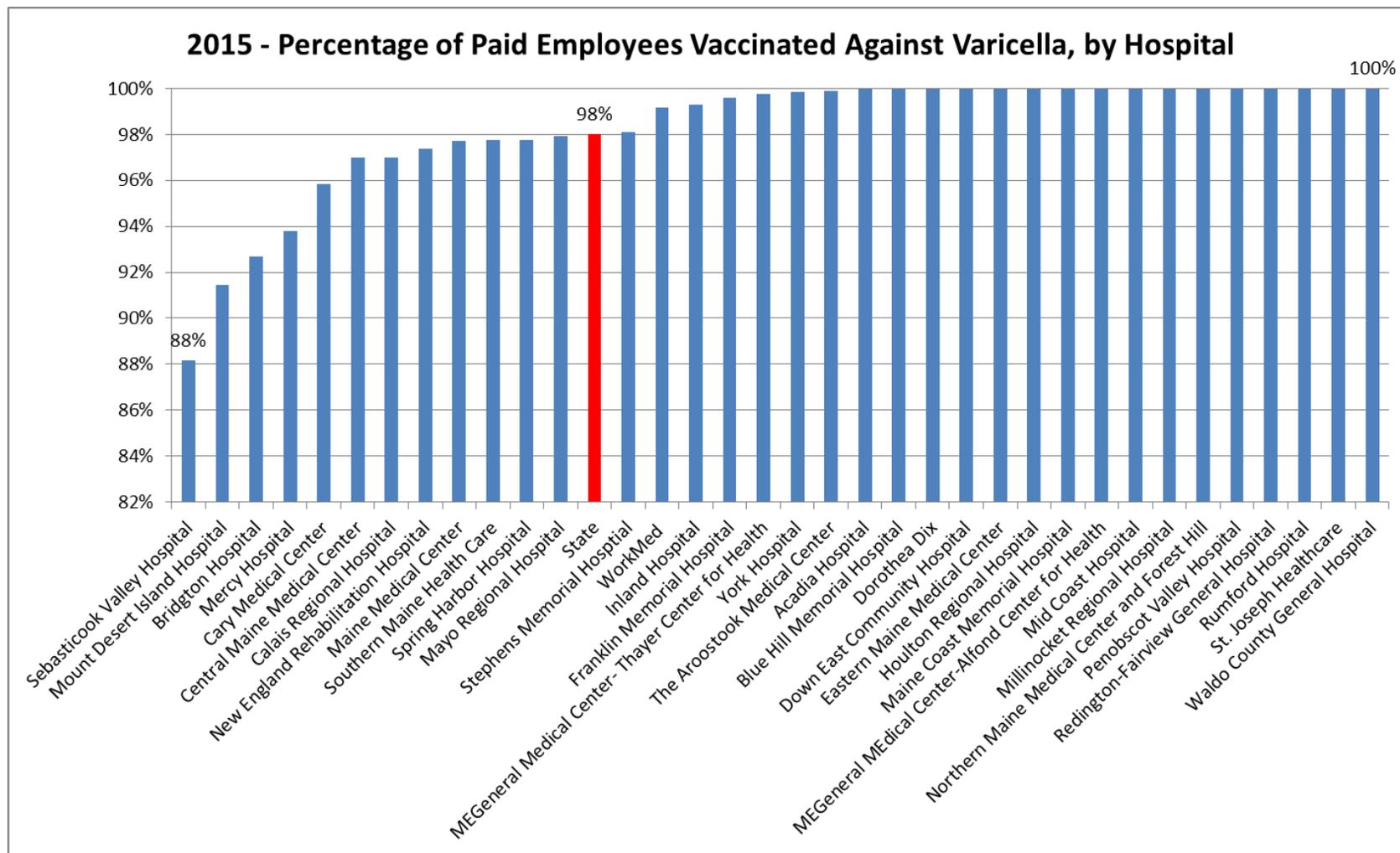


Figure 5: The bars in the graph above represent the percent of healthcare workers who are immune to varicella by vaccination or have laboratory evidence of immunity. The data was adjusted for religious, medical and philosophical exemptions.