

30-day, All-cause Rehospitalization Rates at Washington Hospitals from 2011 CHARS Data

Bree Collaborative

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The attached charts and table are based on analysis of the Comprehensive Hospital Abstract Reporting System (CHARS) dataset for index hospitalizations in 2011.¹

Summary of CHARS Data

- Contains coded hospital inpatient discharge information from 1987-2012.
- Data source: Billing systems using National Uniform Billing Codes, International Classification of Disease Version 9 and state-specific codes.
- Patient population: All patients hospitalized in Washington State (all payers, all ages) **except** for Veteran's Affairs or military hospitals and most Group Health Cooperative hospitals.²
- Not risk-adjusted.

NOTE: Socio-economic conditions have a large effect on readmission rates.

Analytic Methods

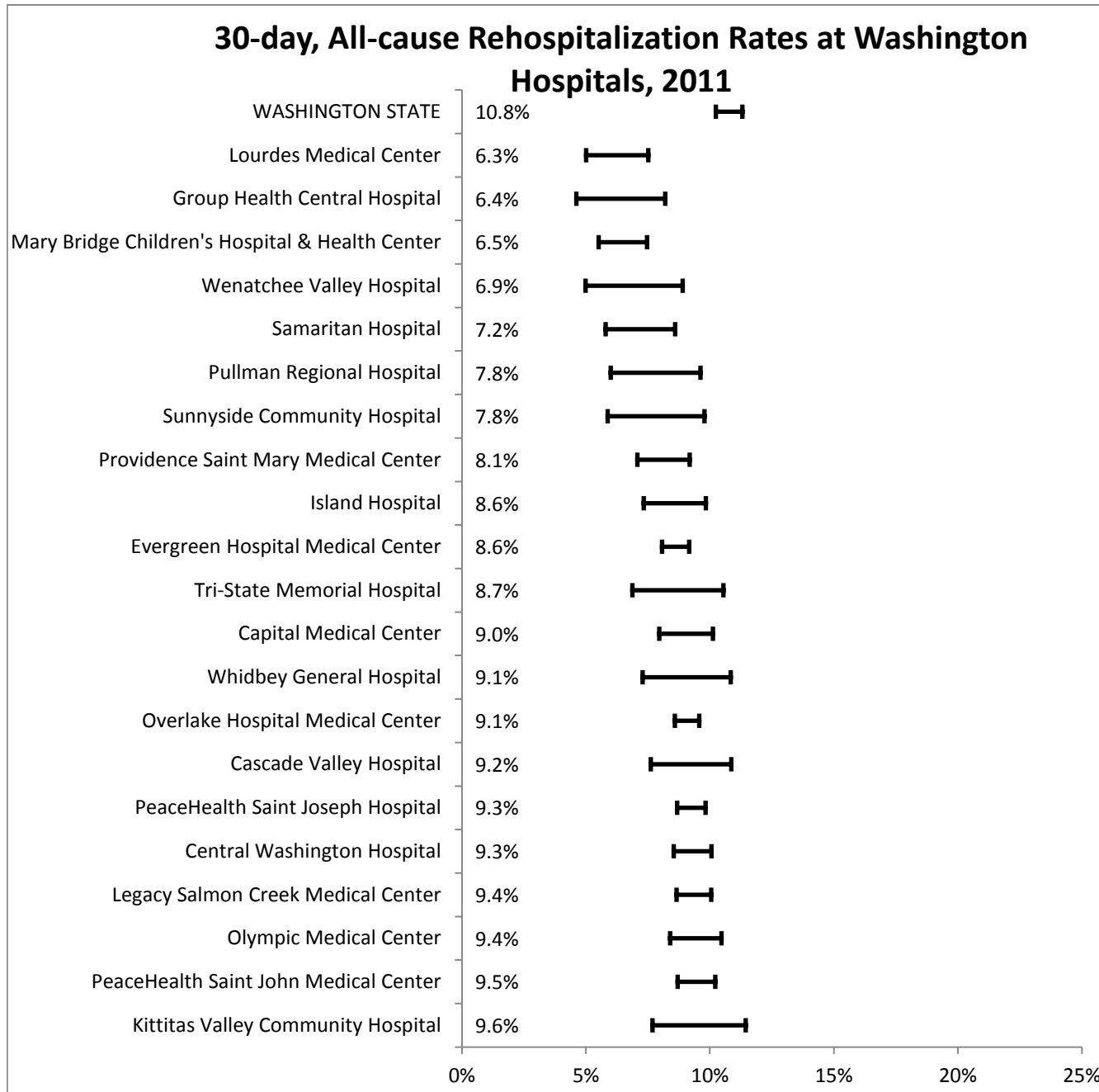
1. Exclude from consideration: hospital stays > 1 year, hospitalizations for children < 1 year of age, psychiatric stays, rehabilitation stays, and swing bed stays.
2. Identify the index hospitalization excluding hospitalizations described in 1 – for the index hospitalization eliminate individuals who died during hospitalization, transferred to other acute care hospitals (including Federal hospitals), or left against medical advice.
3. At the patient level, calculate percent readmitted within 30 days using the number of index hospitalizations as the denominator and the number of readmissions to an inpatient stay (> 24 hours) as the numerator.
4. Aggregate results to the hospital level.
5. Exclude hospitals with less than 500 hospitalizations meeting inclusion criteria.³

Readmission rates following total knee and total hip replacement surgery are also available on the Bree Collaborative website [here](#)

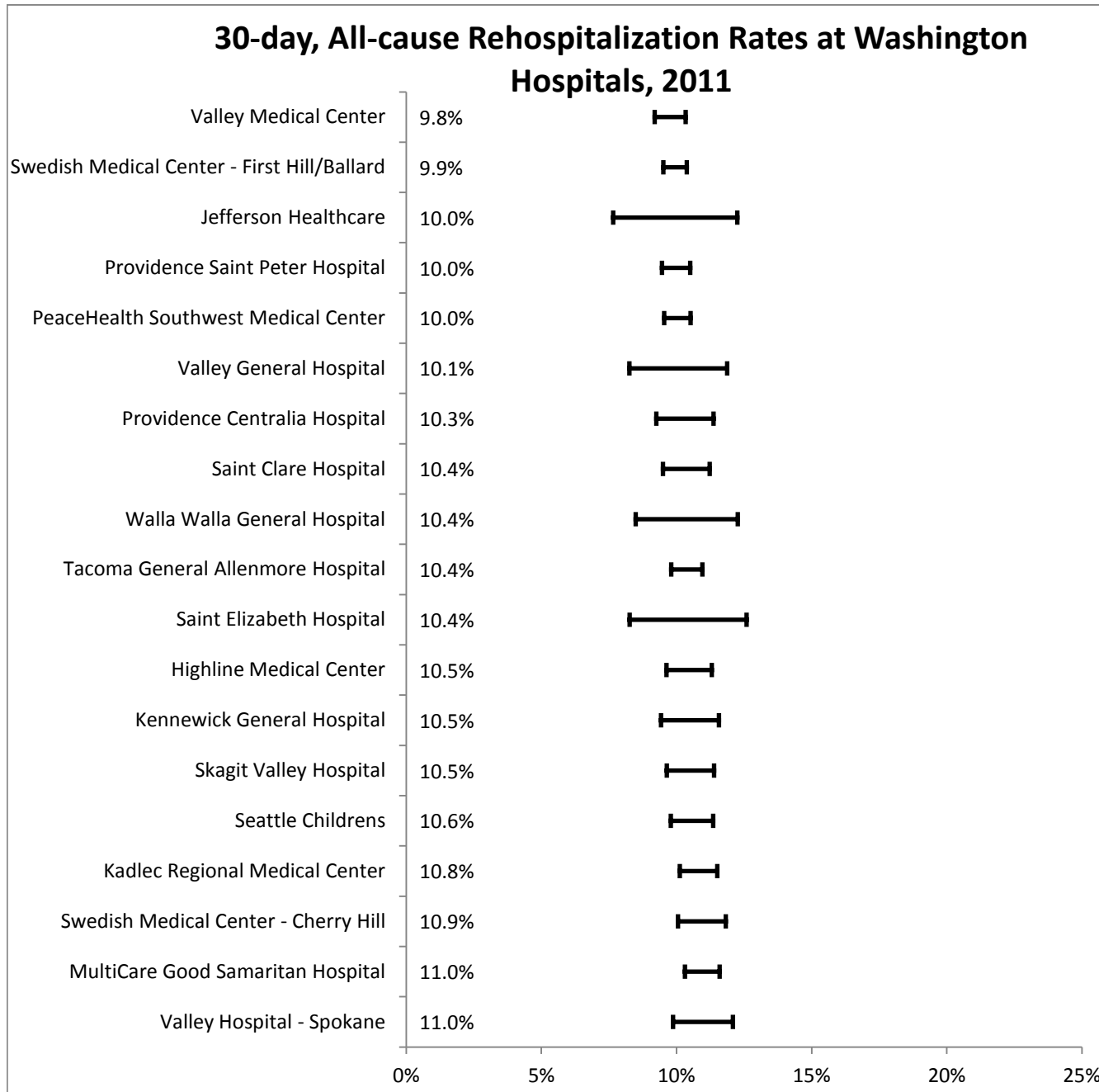
¹ Index hospitalizations for December include data from January 2012.

² The Department of Health only receives information about Group Health patients hospitalized at the Central Hospital.

³ 34 Hospitals were excluded.

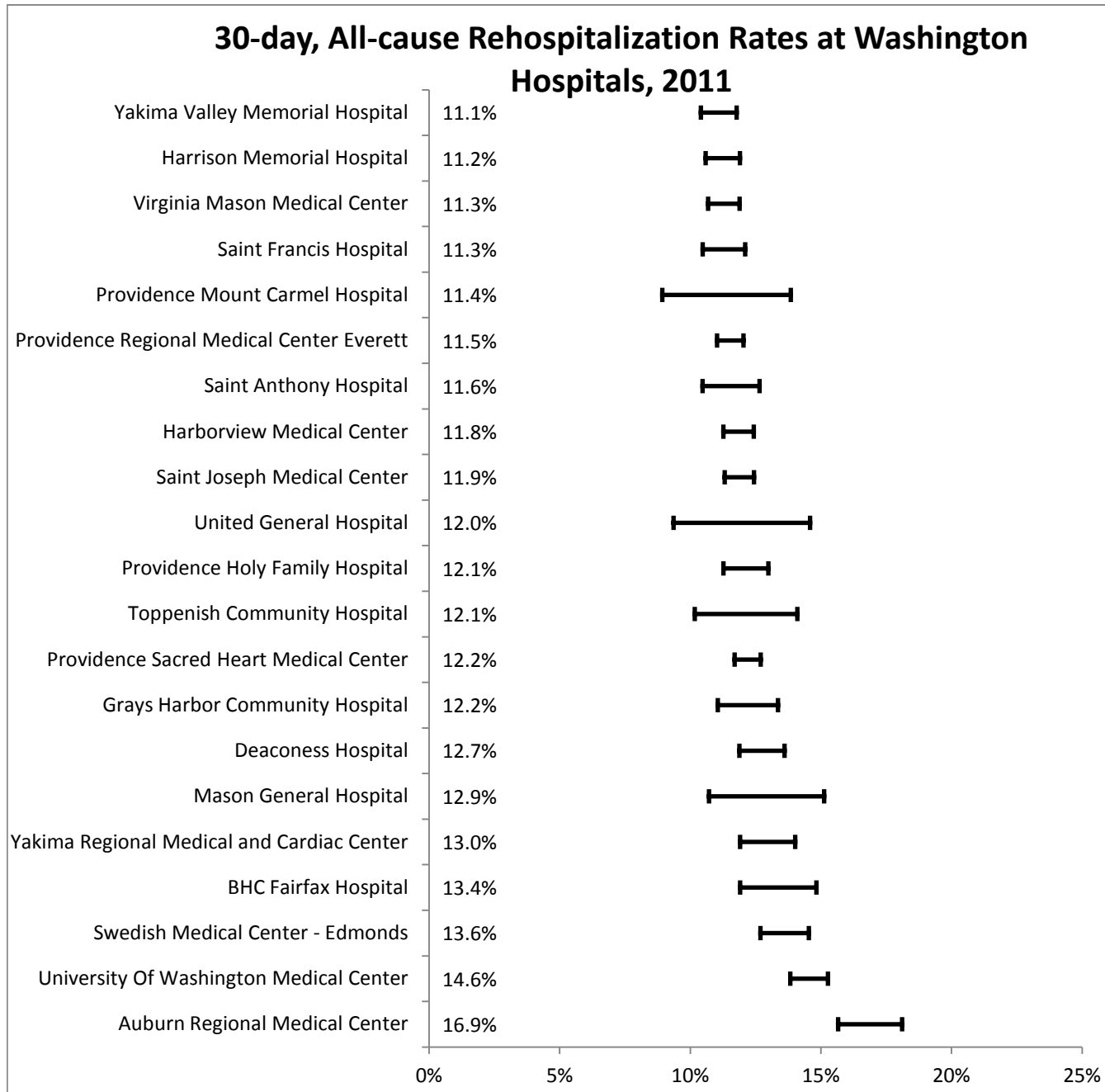


SOURCE: CHARS DATA FOR INDEX HOSPITALIZATIONS IN 2011 – SEE PAGE 1 FOR DETAILS ABOUT CHARS AND THE METHODS USED FOR THIS ANALYSIS



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Black lines represent 95% confidence intervals



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Name	# Hospitalized meeting inclusion criteria	% Rehospitalized at 30 Days	Lower 95% CI	Upper 95% CI
WASHINGTON STATE		10.8%	10.2%	11.3%
Auburn Regional Medical Center	3595	16.9%	15.7%	18.1%
BHC Fairfax Hospital	2087	13.4%	11.9%	14.8%
Capital Medical Center	2699	9.0%	8.0%	10.1%
Cascade Valley Hospital	1223	9.2%	7.6%	10.9%
Central Washington Hospital	5612	9.3%	8.5%	10.1%
Deaconess Hospital	5720	12.7%	11.9%	13.6%
Evergreen Hospital Medical Center	10130	8.6%	8.1%	9.2%
Grays Harbor Community Hospital	3105	12.2%	11.1%	13.4%
Group Health Central Hospital	718	6.4%	4.6%	8.2%
Harborview Medical Center	11857	11.8%	11.3%	12.4%
Harrison Memorial Hospital	8902	11.2%	10.6%	11.9%
Highline Medical Center	5130	10.5%	9.6%	11.3%
Island Hospital	1922	8.6%	7.3%	9.8%
Jefferson Healthcare	653	10.0%	7.7%	12.3%
Kadlec Regional Medical Center	7711	10.8%	10.1%	11.5%
Kennewick General Hospital	3143	10.5%	9.4%	11.6%
Kittitas Valley Community Hospital	941	9.6%	7.7%	11.4%
Legacy Salmon Creek Medical Center	6671	9.4%	8.7%	10.1%
Lourdes Medical Center	1437	6.3%	5.0%	7.5%
Mary Bridge Children's Hospital & Health Cent	2450	6.5%	5.5%	7.5%
Mason General Hospital	890	12.9%	10.7%	15.1%
Mid-Valley Hospital	678	9.6%	7.4%	11.8%
MultiCare Good Samaritan Hospital	9101	11.0%	10.3%	11.6%
Northwest Hospital	5251	9.7%	8.9%	10.5%
Olympic Medical Center	3064	9.4%	8.4%	10.5%
Overlake Hospital Medical Center	13141	9.1%	8.6%	9.6%
PeaceHealth Saint John Medical Center	5730	9.5%	8.7%	10.2%
PeaceHealth Saint Joseph Hospital	9835	9.3%	8.7%	9.8%
PeaceHealth Southwest Medical Center	14512	10.0%	9.5%	10.5%
Providence Centralia Hospital	3171	10.3%	9.3%	11.4%
Providence Holy Family Hospital	5540	12.1%	11.3%	13.0%
Providence Mount Carmel Hospital	641	11.4%	8.9%	13.8%
Providence Regional Medical Center Everett	15315	11.5%	11.0%	12.0%
Providence Sacred Heart Medical Center	16537	12.2%	11.7%	12.7%
Providence Saint Mary Medical Center	2583	8.1%	7.1%	9.2%
Providence Saint Peter Hospital	12668	10.0%	9.5%	10.5%
Pullman Regional Hospital	845	7.8%	6.0%	9.6%
Saint Anthony Hospital	3304	11.6%	10.5%	12.7%

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Saint Clare Hospital	4776	10.4%	9.5%	11.2%
Saint Elizabeth Hospital	767	10.4%	8.3%	12.6%
Saint Francis Hospital	5820	11.3%	10.5%	12.1%
Saint Joseph Medical Center	12796	11.9%	11.3%	12.4%
Samaritan Hospital	1306	7.2%	5.8%	8.6%
Seattle Childrens	5911	10.6%	9.8%	11.4%
Skagit Valley Hospital	4726	10.5%	9.6%	11.4%
Sunnyside Community Hospital	728	7.8%	5.9%	9.8%
Swedish Medical Center - Cherry Hill	4790	10.9%	10.1%	11.8%
Swedish Medical Center - Edmonds	5267	13.6%	12.7%	14.5%
Swedish Medical Center - First Hill/Ballard	18286	9.9%	9.5%	10.4%
Tacoma General Allenmore Hospital	10779	10.4%	9.8%	11.0%
Toppenish Community Hospital	1063	12.1%	10.2%	14.1%
Tri-State Memorial Hospital	907	8.7%	6.9%	10.5%
United General Hospital	593	12.0%	9.4%	14.6%
University Of Washington Medical Center	9189	14.6%	13.8%	15.3%
Valley General Hospital	1063	10.1%	8.3%	11.9%
Valley Hospital - Spokane	3060	11.0%	9.9%	12.1%
Valley Medical Center	10311	9.8%	9.2%	10.3%
Virginia Mason Medical Center	10589	11.3%	10.7%	11.9%
Walla Walla General Hospital	1002	10.4%	8.5%	12.3%
Wenatchee Valley Hospital	648	6.9%	5.0%	8.9%
Whidbey General Hospital	1004	9.1%	7.3%	10.8%
Yakima Regional Medical and Cardiac Center	3896	13.0%	11.9%	14.0%
Yakima Valley Memorial Hospital	8088	11.1%	10.4%	11.8%
Total	335877	10.4%	9.2%	11.5%

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