

**Table of Ventilator-Associated Pneumonia Rates by Hospital Group, 2009 to 2012 <sup>1,2</sup>**

<b>Hospital Group</b> <sup>3,4,5,6</sup>	<b>Hospital</b>	<b>2012 Rates</b> <sup>7</sup>	<b>2011 Rates</b> <sup>15</sup>	<b>2010 Rates</b> <sup>23</sup>	<b>2009 Rates</b> <sup>29</sup>
<p><b>Group I</b> <i>Large hospitals with Level I Trauma Service designation and extensive teaching programs for medical students, interns, residents and fellows.</i></p>	Harborview Medical Center	9.86	7.86	9.31	10.75
<p><b>Group II</b> <i>Large hospitals with Level I Trauma Rehabilitation Service designation that have extensive teaching programs for medical students, interns, residents, and fellows.</i></p>	Seattle Children's Hospital	0.11	1.26	0.67	0.31
	University of Washington Medical Center	1.63	0.92	0.38	0.43
<p><b>Group III</b> <i>Large hospitals with Levels I or II Trauma Rehabilitation Service designation, often with teaching programs for medical residents or fellow but not for medical students.</i></p>	Kadlec Medical Center	0.00	0.60	0.00	1.57
	Lourdes Health Network	0.00	0.00	0.00	0.00
	Multicare Good Samaritan Hospital	0.00	1.27	0.43	1.76
	Northwest Hospital <sup>8</sup>	<b>1.98</b>	0.00	2.04	0.85
	PeaceHealth Saint Joseph Medical Center	0.00	1.96	0.69	0.73
	PeaceHealth Southwest Medical Center	0.49	1.30	1.01	1.50
	Providence Everett Medical Center	0.33	0.16	0.51	0.16
	Providence Saint Mary Medical Center	0.00	0.00	0.00	2.54
	Providence Saint Peter Hospital	0.37	0.79	0.00	0.00
	Saint Joseph Medical Center	0.77	0.23	0.00	0.00
Yakima Regional Medical & Cardiac Center	1.53	2.26	1.15	1.43	
<p><b>Group IV</b> <i>Hospitals extensively involved in one or more teaching programs for medical residents or fellows, but without Level I or II Trauma Rehabilitation Service designation.</i></p>	Deaconess Medical Center	0.56	1.48	1.61	2.37
	Mary Bridge Children's Hospital <sup>30</sup>	1.33	2.75	1.68	<b>5.97</b>
	Providence Mount Carmel Hospital	0.00	0.00	0.00	0.00
	Providence Sacred Heart Medical Center	0.97	1.17	0.51	0.45
	Swedish Cherry Hill Medical Center	1.02	0.00	0.93	0.94
	Swedish First Hill Medical Center	0.52	1.11	0.59	0.38
	Tacoma General Hospital/Allenmore Hospital	0.19	0.00	0.20	1.17
	Valley Medical Center	1.99	0.00	1.09	4.78
	Virginia Mason Medical Center <sup>24</sup>	3.09	1.07	<b>3.91</b>	0.00
	Yakima Valley Memorial Hospital <sup>16</sup>	2.17	<b>4.43</b>	1.50	1.55
<p><b>Group Va</b> <i>Long-term acute care hospitals.</i></p>	Kindred Hospital, First Hill <sup>17</sup>	0.00	-	-	-
	Kindred Hospital, Northgate	0.55	0.00	0.83	0.24
	Regional Hospital	0.37	0.00	0.00	0.47

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<b>Group Vb</b> <i>Community hospitals without Level I or II Trauma rating, with either limited involvement in no more than one teaching program (usually a family medicine residency program) or no medical teaching status.</i>	Capital Medical Center	0.00	0.00	0.00	0.00
	Cascade Valley Hospital	0.00	0.00	0.00	0.00
	Central Washington Hospital	0.00	0.00	0.00	0.00
	Evergreen Healthcare <sup>9</sup>	<b>3.41</b>	1.38	0.00	0.00
	Grays Harbor Community Hospital <sup>10, 25</sup>	<b>3.22</b>	0.00	<b>4.84</b>	0.00
	Harrison Medical Center <sup>31</sup>	1.06	0.67	0.66	<b>2.22</b>
	Highline Medical Center	1.13	0.00	0.47	0.00
	Island Hospital	0.00	0.00	0.00	0.00
	Jefferson General Hospital <sup>18</sup>	0.00	<b>27.03</b>	0.00	0.00
	Kennewick General Hospital	0.00	2.67	0.00	0.00
	Kittitas Valley Community Hospital	0.00	0.00	0.00	0.00
	Legacy Salmon Creek Hospital <sup>32</sup>	1.02	1.58	2.09	<b>2.58</b>
	Mason General Hospital	0.00	0.00	0.00	0.00
	Mid-Valley Hospital <sup>11</sup>	-	-	-	-
	Multicare Auburn Medical Center <sup>19, 26</sup>	1.11	<b>6.31</b>	<b>3.21</b>	0.00
	Olympic Medical Center	0.00	0.00	0.00	0.00
	Overlake Hospital Medical Center <sup>33</sup>	0.60	0.73	1.24	<b>0.78</b>
	PeaceHealth Saint John Medical Center <sup>12, 34</sup>	<b>5.28</b>	3.18	0.92	<b>7.31</b>
	Providence Centralia Hospital <sup>20</sup>	0.00	<b>8.77</b>	0.00	0.00
	Providence Holy Family Hospital <sup>35</sup>	1.06	1.79	0.75	<b>2.46</b>
	Pullman Regional Hospital	0.00	0.00	0.00	0.00
	Saint Anthony Hospital	0.00	0.00	0.00	0.00
	Saint Clare Hospital <sup>36</sup>	0.00	1.31	0.98	<b>1.33</b>
	Saint Elizabeth Hospital (Enumclaw)	0.00	0.00	0.00	0.00
	Saint Francis Hospital	0.76	0.00	0.00	0.00
	Samaritan Healthcare <sup>21, 27</sup>	0.00	<b>25.00</b>	<b>12.20</b>	0.00
	Skagit Valley Hospital	0.00	0.73	0.00	0.00
	Skyline Hospital <sup>13</sup>	-	-	-	-
	Sunnyside Community Hospital	0.00	0.00	0.00	0.00
	Swedish Edmonds Medical Center (Stevens)	1.69	0.00	1.09	0.00
	Swedish Issaquah Medical Center <sup>22</sup>	0.00	-	-	-
	Toppenish Community Hospital	0.00	0.00	0.00	0.00
	Tri-State Memorial Hospital	0.00	0.00	0.00	0.00
	Three Rivers Hospital (Okanogan-Douglas) <sup>14</sup>	-	-	-	-
United General Hospital	0.00	0.00	0.00	0.00	
Valley General Hospital <sup>28</sup>	0.00	0.00	<b>12.20</b>	0.00	
Valley Hospital and Medical Center <sup>37</sup>	0.00	0.00	0.00	<b>1.34</b>	
Walla Walla General Hospital	0.00	0.00	0.00	0.00	
Whidbey General Hospital	0.00	0.00	0.00	0.00	

Notes:

1. In 2013, ventilator-associated pneumonia was removed as a healthcare associated infection reporting requirement for hospitals licensed by Washington State, through passage of House Bill 1471 (updating [RCW 43.70.056](#)). Ventilator-associated pneumonia was not a reliable accountability measure as explained in our biennial [2011 Report to the Legislature](#).

## Table of Ventilator-Associated Pneumonia Rates by Hospital Group, 2009 to 2012 <sup>1,2</sup>

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2. All rates are expressed as infections per 1,000 ventilator-days. Bold red rates indicate statistically significant higher infection rates than other hospitals in the same hospital group and year. Visit our website for more information about our [statistical methods](#).
3. Teaching designation for medical students was determined based upon hospitals being listed on the Association of American Medical Colleges (AAMC) website in 2010 (<https://www.aamc.org/>). Teaching designation for medical residents or fellows is based upon having residency or fellowship programs but a majority of undergraduate medical students do not rotate through the hospital's multiple clinical services. Approved programs are listed on the Accreditation Council for Graduate Medical Education website (<http://www.acgme.org/adspublic/default.asp>).
4. EMS Trauma Program designations for Trauma Service and Rehabilitation Service are based on rankings listed in <http://www.doh.wa.gov/Portals/1/Documents/Pubs/530102.pdf> and <http://www.doh.wa.gov/Portals/1/Documents/Pubs/530103.pdf>.
5. Long term acute care hospitals (Group Va) receive patients from hospitals in all groups. These patients need a level of care below a critical care but above a skilled nursing level, which is anticipated to last more than 25 days. This type of patient presents more of an infection prevention challenge than patients typical of community hospitals in Group Vb.
6. Many community hospitals (Group Vb) have achieved zero or near zero rates. Therefore, hospitals identified as outliers in Group Vb may have very few cases of ventilator-associated pneumonia, with high rates due to relatively small numbers of ventilator-days or even low rates below one infection per 1,000 ventilator-days and still show as outliers.

### 2012 Rates

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7. May 2, 2013 download of January 2012 – December 2012 NHSN data.
8. Northwest Hospital – Infection rate is due to two cases, with no indication of cross-infection. Each case was reviewed by the hospital. One case had a post-surgical medical procedure that prevented complete adherence to prevention best practices.
9. Evergreen Healthcare (aka: Evergreen Health Medical Center) – Infection rate is due to five unrelated cases during the year, with no indication of cross-infection. The hospital has added and enhanced infection prevention measures; including increased monitoring of adherence to prevention best practices and in-depth review of every infection.
10. Grays Harbor Community Hospital – Infection rate is due to two cases, with no indication of cross-infection. The facility has increased monitoring and adherence to prevention best practices.
11. Mid-Valley Hospital – No rate is shown because the hospital had no patients on ventilators during the reporting period (2009 – 2012).
12. PeaceHealth Saint John Medical Center – Infection rate is due to five cases during the year. The hospital investigated the increase in infections with a multidisciplinary team and public health consultation. As a result, they expanded and reinforced infection control measures and improved adherence to prevention best practices.
13. Skyline Hospital – No rate is shown because the hospital had no patients on ventilators during the reporting period (2009 – 2012).
14. Three Rivers Hospital (formerly Okanogan-Douglas Hospital) – No rate is shown because the hospital had no patients on ventilators during the reporting period (2009 – 2012).

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### **2011 Rates**

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15. March 16, 2012 download of January 2011 – December 2011 NHSN data.
16. Yakima Valley Memorial Hospital – Infection rate is due to four unrelated cases, with no indication of cross-infection. The hospital has a well-established “best practices” prevention bundle in place and audits compliance daily.
17. Kindred Hospital, First Hill – Hospital was opened in late 2011.
18. Jefferson General Hospital – Infection rate is due to a very small number of ventilator days and one case during the year.
19. Multicare Auburn Medical Center (formerly Auburn Regional Medical Center) – Infection rate is due to seven unrelated cases throughout the year, with no indication of cross-infection. In 2011 the hospital increased from part-time to full-time infection control professional staffing, giving greater ability to support its prevention “best practices” education and audit program.
20. Providence Centralia Hospital – Infection rate is due to a relatively small number of ventilator-days and two cases, with no indication of cross-infection.
21. Samaritan Healthcare – Infection rate is due to a very small number of ventilator days and one case during the year.
22. Swedish Issaquah Medical Center – Hospital was opened in 2012.

### **2010 Rates**

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23. April 25, 2011 download of January 2010 – December 2010 NHSN data.
24. Virginia Mason Medical Center – Infection rate is due to six unrelated cases, with no indication of cross-infection.
25. Grays Harbor Community Hospital – Infection rate is due to four cases in different months of the year, with no indication of cross-infection.
26. Multicare Auburn Medical Center (formerly Auburn Regional Medical Center) – Infection rate is due to four cases in different months of the year. The hospital has reinforced ventilator patient care with a major education and audit program that started in October 2010.
27. Samaritan Healthcare – Infection rate is due to a very small number of ventilator days and one case during the year.
28. Valley General Hospital – Infection rate is due to a very small number of ventilator days and one case during the year.

### **2009 Rates**

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29. September 13, 2010 download of January 2009 – December 2009 NHSN data.
30. Mary Bridge Children’s Hospital – Infection rate is due to 11 cases that occurred from January through June of 2009. There were no additional cases to report in the second half of the year, after the hospital recognized a problem and introduced major changes mid-summer to prevent more infections from occurring.
31. Harrison Medical Center – Infection rate is due to eight unrelated cases throughout the year, with no indication of cross-infection. A bundle of prevention measures, already in place, is being reinforced by

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daily hospital-wide nursing leadership discussions that started in August 2009 and education in weekly ICU staff meetings that started in October 2009.

32. Legacy Salmon Creek Medical Center – Infection rate is due to three unrelated cases, with different bacteria and no indication of cross-infection. The hospital reports that it has reinforced prevention measures already in place.
33. Overlake Hospital Medical Center – Infection rate is due to two unrelated infections, with no indication of cross-infection.
34. PeaceHealth Saint John Medical Center – Infection rate is due to six cases in different months of the year. The hospital recognized a problem late in 2008 and has continued to introduce investigations and preventive measures in order to identify and resolve the root cause.
35. Providence Holy Family Hospital – Infection rate is due to four cases in different months of the year, with no indication of cross-infection. A bundle of prevention measures, in place since 2006, is being reinforced by education in weekly ICU staff meetings that started at the end of 2009.
36. Saint Clare Hospital – Infection rate is due to two unrelated infections during the first two months of the year, with none during the rest of the year.
37. Valley Hospital and Medical Center – Infection rate is due to a relatively small number of ventilators days and one case during the year.