



# Central Line Associated Bloodstream Infection (CLABSI) Report 2014-15

## Data Collection

The ANZICS CORE CLABSI Registry commenced in 2012 to monitor CLABSI rates in Australian Intensive Care Units (ICUs) and is reported by hospital. The data submitted include the number of central line days and number of CLABSIs per month. The definitions for these variables were established by the Australian Commission on Safety and Quality in Health Care (ACSQHC) to support national conformity<sup>1</sup>.

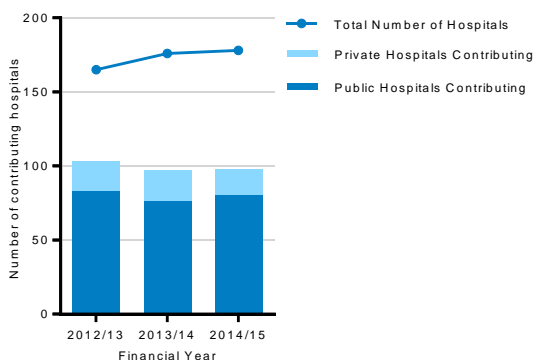
Data are submitted via the CLABSI Registry online tool, predominantly by jurisdiction surveillance bodies, but also by hospital infection control departments or by individual ICU staff.

*Note: 2 of the 98 reporting sites submitted less than half the required data points and were excluded from the analysis.*

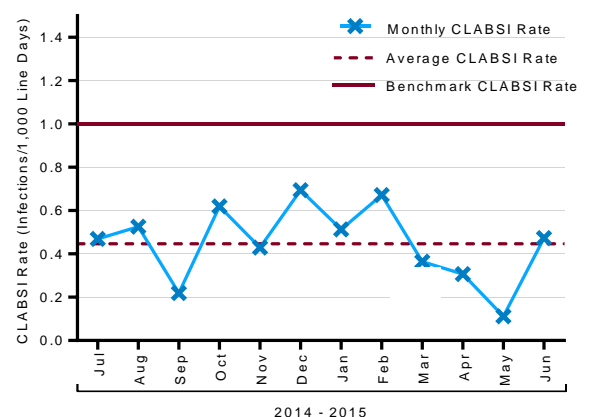
## 2014/15 Results

- The average CLABSI rate was 0.45/1,000 line days, well below the benchmark rate of 1/1,000 line days. Figure 2 shows the monthly CLABSI rate, the national average and the benchmark rate.
- From July 2014 – June 2015 there were 1118 surveillance entries and 203,649 line days reported from 96 Australian hospitals.

**Figure 1: Contribution to CLABSI Registry 2014-15**



**Figure 2: Monthly Total CLABSI Rates 2014-15**

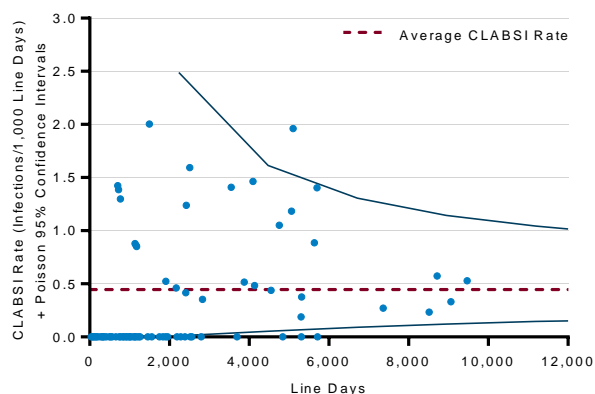


\*A number of hospitals have more than one ICU

<sup>1</sup><http://www.safetyandquality.gov.au/wp-content/uploads/2012/02/Implementation-guide-CLABSI-Consultation-Edition-November-2011.pdf>

Figure 3 is a funnel plot of CLABSI rate and the number of line days for each contributing ICU. By inference, larger units are likely to have a greater number of line days. Units with high or low CLABSI rates will fall outside the 95% confidence intervals.

**Figure 3: CLABSI Funnel Plot for 2014 – 2015**

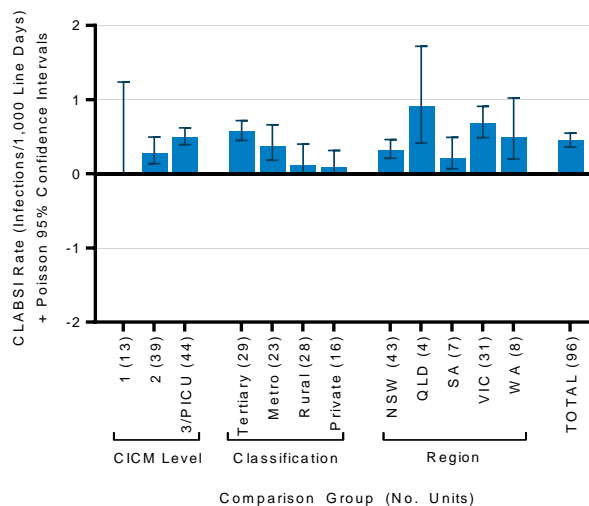


**Table 1: Contributing Hospitals 2014 – 2015**

States	Public	Private	Total
ACT	1/2	1/2	2/4
NSW	40/46	3/20	43/66
NT	1/2		1/2
QLD	2/21	2/16	4/37
SA	5/7	2/6	7/13
TAS	0/3	0/1	0/4
VIC	25/26	8/14	33/40
WA	6/8	2/4	8/12
<b>Total</b>	<b>80/115</b>	<b>16/63</b>	<b>98/178</b>

Figure 4 shows comparative rates of CLABSI across ICU levels as described by the College of Intensive Care Medicine (CICM), hospital classification, and regions. Data are only shown where there are three or more contributing units to avoid site identification.

**Figure 4: Comparative CLABSI Rates 2014 – 2015**



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