



National Public Health
Service for Wales
Gwasanaeth Iechyd Cyhoeddus
Cenedlaethol Cymru

Welsh Healthcare Associated Infections
Programme (WHAIP)
Rhaglen Heintiau sy'n Gysylltiedig a Gofal
Iechyd Cymru (RHGGIC)

**CRITICAL CARE SURVEILLANCE:
CENTRAL VENOUS CATHETER RELATED
INFECTIONS
ABERTAWA BRO MORGANNWG
UNIVERSITY NHS TRUST
ANNUAL REPORT
2008**

Includes data from 01/09/07 – 31/12/08



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Summary Report for Abertawe Bro Morgannwg University NHS Trust

Table 1.1 Form returns for Abertawe Bro Morgannwg University NHS Trust for patients with lines inserted for the period 01/09/2007 - 31/12/2008

Number of forms received* for critical care patients with lines inserted**	Number of valid forms***	Percentage of valid forms
1279	1274	99.6

* Forms where the insertion date has been completed

** Excludes short term patient records (i.e. the patient has to be on critical care longer than 2 days) and those records where the line has not been in situ for a minimum 48 hours

*** Valid forms include forms where insertion date, admission to critical care date and (removal or discharge date) are completed

Table 1.2 Percentage completion of data items on the CVC Surveillance forms for Abertawe Bro Morgannwg University NHS Trust for the period* 01/09/2007 - 31/12/2008

Number of forms received**: 1279

Question	Number completed	Number expected	Completion rate %
Age	1273	1279	99.5
Sex	1275	1279	99.7
Date of admission to hospital	1273	1279	99.5
Date of admission to critical care	1274	1279	99.6
Site of CVC insertion	1276	1279	99.8
Hospital location of CVC insertion	1267	1279	99.1
CVC removal date	1139	1279	89.1
Date of discharge from critical care***	319	319	100.0

* Time period is based on the insertion date. Therefore only records with Insertion date completed are included in this report

** Excludes short term patient records (i.e. the patient has to be on critical care longer than 2 days) and those records where the line has not been in situ for a minimum 48 hours

*** Excludes records where the patient has not yet been discharged from critical care

Table 1.3a Overall HELICS defined CVC infection rate for Abertawe Bro Morgannwg University NHS Trust for the period 01/09/2007 - 31/12/2008

Total number of infections recorded*: 3

Number and percentage of infections that meet the HELICS defined criteria: 1 (33%)

Number of infections	Number of critical care catheter days**	Infection rate*** (per 1000 critical care catheter days)
1	8175	0.1

Table 1.3b Breakdown of HELICS defined CVC infection rate by infection type for Abertawe Bro Morgannwg University NHS Trust for the period 01/09/2007 - 31/12/2008

Infection type	No of infections	Infection rate*** (per 1000 critical care catheter days)
CRI3	1	0.12

*Where microbiological and clinical signs provided enable an infection to be deemed either as HELICS CVC infection or as a locally defined CVC associated infection

** Only catheter days up to discharge of patient from critical care are included. Number of critical care catheter days calculated = removal date - insertion date + 1 (unless the insertion date precedes the admission to critical care date i.e insertion date is replaced by admission to critical care date, or if the removal date succeeds discharge date from critical care then removal date is replaced by discharge date)

*** Calculation of infection rate = total number of HELICS infections / number of critical care catheter days * 1000

Figure 1.4 Percentage of CVC insertions and numbers of HELICS defined CVC infections by insertion location for Abertawe Bro Morgannwg University NHS Trust for the period 01/09/2007 – 31/12/2008

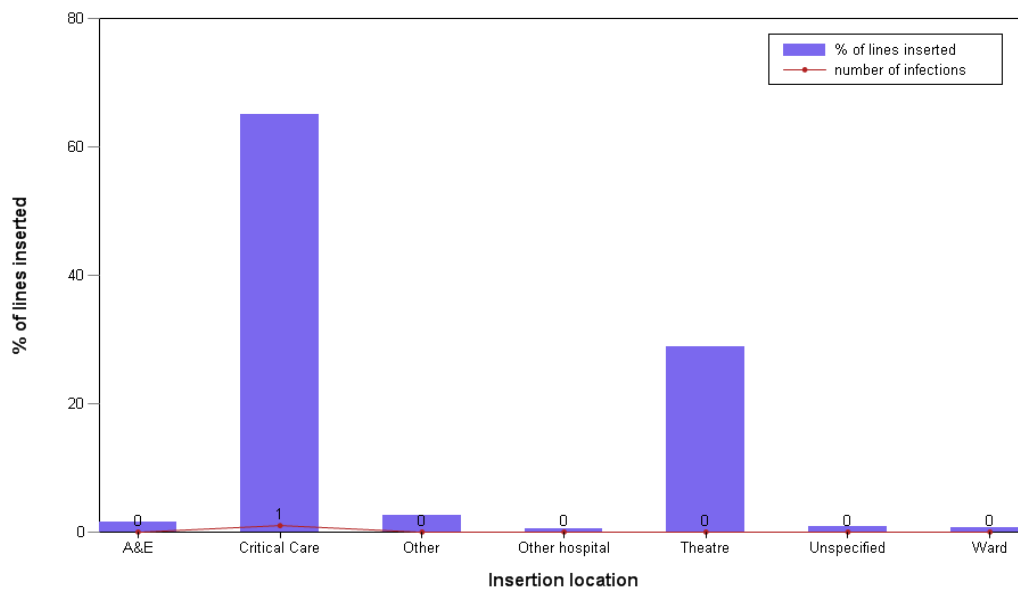


Figure 1.5 Percentage of CVC insertions and numbers of HELICS defined CVC infections by insertion site for Abertawe Bro Morgannwg University NHS Trust for the period 01/09/2007 – 31/12/2008

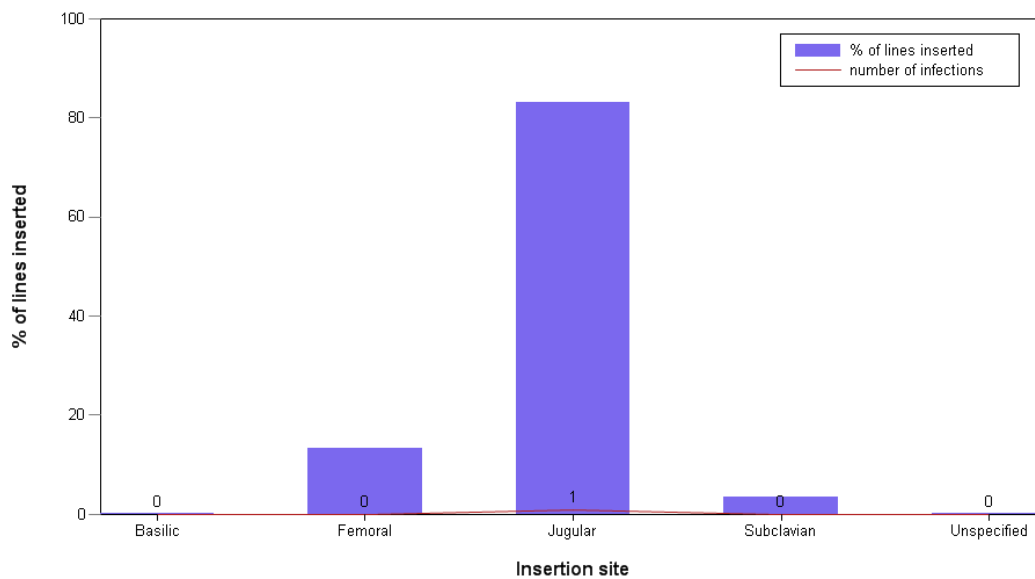


Figure 1.6 Numbers of HELICS defined CVC infections by organism for Abertawe Bro Morgannwg University NHS Trust for the period 01/09/2007 – 31/12/2008

Organism	Number of infections
Stenotrophomonas maltophilia	1
Total	1