

Infection Prevention and Control Report April 1, 2017 – March 31, 2018

Quarter 1: April 1 – June 15, 2017

MRSA – Methicillin Resistant Staphylococcus aureus

VRE – Vancomycin Resistant Enterococcus

Cdiff – Clostridium difficile

SSI – Surgical site infection

N/C – No surgical cases

N/S – No surveillance done

N/D – No data available

I/D – Insufficient data

MRSA

The following table reflects nosocomial acquisition rates of MRSA for each facility

(per 1000 Patient Days)

	Dec. 2 - Mar. 31	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Northern Health	1.18	0.98			
University Hospital of Northern BC	1.12	1.01			
McBride and District Hospital	0	6.58			
G.R. Baker Memorial Hospital	0.61	0.70			
St. John Hospital	1.26	0			
Stuart Lake Hospital	4.55	0			
Dawson Creek Hospital	0	1.21			
Lakes District Hospital	1.08	0			
Chetwynd General Hospital	5.13	0			
Mackenzie and District Hospital	0	6.19			
Fort St. John General Hospital	0.70	0			
Fort Nelson General Hospital	0	0			
Bulkley Valley District Hospital	0.65	0			
Wrinch Memorial Hospital	0	0			
Mills Memorial Hospital	1.51	1.20			
Kitimat General Hospital	2.96	0			
Prince Rupert Regional Hospital	4.51	4.06			
Haida Gwaii Hospital	0	0			
Northern Haida Gwaii Hospital	4.17	6.54			

VRE

The following table reflects nosocomial acquisition rates of VRE for each facility

(per 1000 Patient Days)

	Dec. 2 - Mar. 31	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Northern Health	2.89	2.03			
University Hospital of Northern BC	4.07	2.83			
McBride and District Hospital	0	0			
G.R. Baker Memorial Hospital	1.83	2.10			
St. John Hospital	0	0			
Stuart Lake Hospital	0	0			
Dawson Creek Hospital	1.85	1.51			
Lakes District Hospital	2.15	0			
Chetwynd General Hospital	5.13	0			
Mackenzie and District Hospital	3.02	0			
Fort St. John General Hospital	1.86	1.79			
Fort Nelson General Hospital	0	0			
Bulkley Valley District Hospital	0.65	1.42			
Wrinch Memorial Hospital	2.67	0			
Mills Memorial Hospital	3.52	1.20			
Kitimat General Hospital	2.22	0.78			
Prince Rupert Regional Hospital	2.26	3.55			
Haida Gwaii Hospital	2.48	0			
Northern Haida Gwaii Hospital	0	0			

Clostridium difficile

The following table reflects nosocomial acquisition rates of Clostridium difficile for each facility

(per 1000 Patient Days)

	Dec. 2 - Mar. 31	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Northern Health	0.36	0.38			
University Hospital of Northern BC	0.48	0.48			
McBride and District Hospital	0	0			
G.R. Baker Memorial Hospital	0	0.70			
St. John Hospital	0.63	0			
Stuart Lake Hospital	0	0			
Dawson Creek Hospital	0	0			
Lakes District Hospital	1.08	0			
Chetwynd General Hospital	0	0			
Mackenzie and District Hospital	0	0			
Fort St. John General Hospital	0.46	0.77			
Fort Nelson General Hospital	0	0			
Bulkley Valley District Hospital	0	0			
Wrinch Memorial Hospital	0	0			
Mills Memorial Hospital	0	0			
Kitimat General Hospital	1.48	0			
Prince Rupert Regional Hospital	0.45	0.51			
Haida Gwaii Hospital	0	2.03			
Northern Haida Gwaii Hospital	0	0			

Hand Hygiene Compliance

(per facility – stated as a percent)

I/D - Insufficient Data - Minimum requirement of 200 observations not met

Blank - No data collected

	Dec. 2 - Mar. 31	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Northern Health	77	80			
University Hospital of Northern BC	71	77			
McBride and District Hospital	I/D	I/D			
G.R. Baker Memorial Hospital	69	I/D			
St. John Hospital	I/D	I/D			
Stuart Lake Hospital	I/D	I/D			
Dawson Creek Hospital	I/D	I/D			
Lakes District Hospital					
Chetwynd General Hospital	I/D	I/D			
Mackenzie and District Hospital					
Fort St. John General Hospital	80	80			
Fort Nelson General Hospital	87	87			
Bulkley Valley District Hospital	78	I/D			
Wrinch Memorial Hospital	I/D	I/D			
Mills Memorial Hospital	82	I/D			
Kitimat General Hospital	81	82			
Prince Rupert Regional Hospital	81	I/D			
Queen Charlotte Islands Hospital	I/D	83			
Northern Haida Gwaii Hospital	83	94			

Hand Hygiene Compliance per HSDA

(stated as a percent)

	Dec. 2 - Mar. 31	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Northern Interior HSDA	72	79			
Northeast HSDA	82	81			
Northwest HSDA	81	83			

Hand Hygiene Compliance per Healthcare Provider

(stated as a percent)

	Dec. 2 - Mar. 31	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Nursing Staff	80	85			
Physicians	67	68			
Clinical Support Services	78	82			
Other	72	75			

Hand Hygiene Compliance Before and After Patient Contact

(stated as a percent)

	Dec. 2 - Mar. 31	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Before Patient Contact	68 (1697/2480)	72 (1214/1691)			
After Patient Contact	84 (2281/2707)	88 (1726/1962)			

Surgical Site Surveillance

University Hospital of Northern BC

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Total Primary Hips	1/50			
Total Primary Knees	0/109			
Cesarean Sections	1/84			
Abdominal Hysterectomies	0/9			
Bowel Resections	0/2			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Total Primary Hips	100			
Total Primary Knees	98			
Cesarean Sections	79			
Abdominal Hysterectomies	100			
Bowel Resections	100			

G.R. Baker Memorial Hospital

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	1/16			
Abdominal Hysterectomies	N/C			
Bowel Resections	0/8			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	75			
Abdominal Hysterectomies	N/C			
Bowel Resections	75			

St. John Hospital

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	0/8			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	25			

Dawson Creek Hospital

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Total Primary Hips	0/8			
Total Primary Knees	2/23			
Cesarean Sections	1/16			
Abdominal Hysterectomies	0/4			
Bowel Resections	0/2			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Total Primary Hips	88			
Total Primary Knees	87			
Cesarean Sections	100			
Abdominal Hysterectomies	100			
Bowel Resections	100			

Fort St. John General Hospital

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	0/25			
Abdominal Hysterectomies	0/10			
Bowel Resections	0/3			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	92			
Abdominal Hysterectomies	100			
Bowel Resections	67			

Bulkley Valley District Hospital

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	0/7			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	100			

Mills Memorial Hospital

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	1/9			
Bowel Resections	N/C			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Cesarean Sections	100			
Bowel Resections	N/C			

Kitimat General Hospital

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Total Primary Hips	0/5			
Total Primary Knees	0/10			
Cesarean Sections	0/2			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Total Primary Hips	100			
Total Primary Knees	100			
Cesarean Sections	100			

Prince Rupert Regional Hospital

Surgical Site Infection Rates

Numerator - Total number of infections

Denominator - Total number of surgeries performed

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Total Primary Hips	0/5			
Total Primary Knees	0/8			
Cesarean Sections	2/15			
Abdominal Hysterectomies	0/1			
Bowel Resections	0/1			

Percentage of Antibiotics Given Within 1 Hour of Cut Time

	Apr. 1 - Jun. 15	Jun. 16 - Sep. 7	Sep. 8 - Nov 30	Dec. 1 - Mar. 31
Total Primary Hips	100			
Total Primary Knees	100			
Cesarean Sections	87			
Abdominal Hysterectomies	0			
Bowel Resections	100			