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**Illinois Statewide Report of *Clostridium difficile* infections in Acute Care Hospitals,
NHSN Surveillance Reporting January 1, 2015 – December 31, 2015**

As of January 1, 2012, all Illinois hospitals began mandated reporting of *C.difficile* infections (CDI) using the Center for Disease Control and Prevention’s National Healthcare Safety Network (NHSN) Multidrug-Resistant Organism (MDRO) Laboratory-identified (LabID) Event module. (http://www.cdc.gov/nhsn/PDFs/pscManual/12pscMDRO_CDADcurrent.pdf)

NHSN reporting enables a facility to rely almost exclusively on data obtained from the laboratory and allows the calculation of proxy measures of CDI events, exposures and healthcare acquisition. This is the first annual Illinois Department of Public Health report for CDI, using data submitted by hospitals to NHSN expressed as Standardized Infection Ratio (SIR).

Standardized Infection Ratio

The standardized infection ratio (SIR) and corresponding 95% confidence intervals for each LabID event type is calculated for facilities reporting Healthcare Facility Onset (HO) Incidence Rate of CDI data to NHSN. The SIRs use risk models to determine the predicted number of CDI infections based on the baseline data (referent population, 2010-2011 Inpatient facility-wide NHSN surveillance data), adjusting for significant risk factors. A comparison of the actual number of HO incident cases with the predicted number of infections is the SIR for that hospital. Four risk factors found to be significant in predicting HO CDI LabID event incidence were: the type of testing used at the facility, medical school affiliation, facility bed size, and the prevalence rate of Community Onset CDI.

This data represents reporting of CDI infections in Acute Care Hospitals from January 1, 2015 to December 31, 2015.

Additional information regarding these output options and the risk models can be found at:
<http://www.cdc.gov/nhsn/PDFs/mrsa-cdi/RiskAdjustment-MRSA-CDI.pdf>

Multi-Drug Resistant Organism (MDRO) Standardized Infection Ratio (SIR^a)
Reportable Period: January 1, 2015 - December 31, 2015
STATEWIDE

Clostridium difficile (CDI)

Hospital Name	Hospital City	Observed [O] Number of CDI	Number of Patient Days	Statistically Expected [E] Number of CDI ^b	Unit-Specific SIR ^c = O/E	95% Confidence Interval ^d		Statistical Interpretation
						Lower Bound ^e	Upper Bound	
Abraham Lincoln Memorial Hospital	Lincoln	2	2992	1.34	1.49	0.25	4.93	Similar
Advocate BroMenn Medical Center	Normal	29	33327	24.46	1.19	0.81	1.68	Similar
Advocate Christ Medical Center	Oak Lawn	149	173929	152.22	0.98	0.83	1.15	Similar
Advocate Condell Medical Center	Libertyville	82	76601	59.13	1.39	1.11	1.71	Higher
Advocate Eureka Hospital	Eureka	0	847	0.37	.	.	.	Not Available
Advocate Good Samaritan Hospital	Downers Grove	65	68147	50.86	1.28	0.99	1.62	Similar
Advocate Good Shepherd Hospital	Barrington	37	44533	28.51	1.30	0.93	1.77	Similar
Advocate Illinois Masonic Medical Center	Chicago	38	61883	55.60	0.68	0.49	0.93	Lower
Advocate Lutheran General Hospital	Park Ridge	92	135835	105.92	0.87	0.70	1.06	Similar
Advocate Sherman Hospital	Elgin	28	55818	40.66	0.69	0.47	0.98	Lower
Advocate South Suburban Hospital	Hazel Crest	49	50684	27.67	1.77	1.32	2.32	Higher
Advocate Trinity Hospital	Chicago	35	40788	25.64	1.37	0.97	1.88	Similar
Alton Memorial Hospital	Alton	7	23753	12.38	0.57	0.25	1.12	Similar
AMITA Health Bolingbrook	Bolingbrook	18	20253	15.73	1.14	0.70	1.77	Similar
AMITA Health Elk Grove Village	Elk Grove Village	83	81374	68.85	1.21	0.97	1.49	Similar
AMITA Health GlenOaks	Glendale Heights	6	24207	16.48	0.36	0.15	0.76	Lower
AMITA Health Hinsdale	Hinsdale	30	41562	35.98	0.83	0.57	1.18	Similar
AMITA Health Hoffman Estates	Hoffman Estates	72	77700	64.98	1.11	0.87	1.39	Similar
AMITA Health La Grange	La Grange	30	31186	27.20	1.10	0.76	1.56	Similar
Anderson Hospital	Maryville	13	23133	15.34	0.85	0.47	1.41	Similar
Ann & Robert H Lurie Children's Hospital of Chicago	Chicago	24	57129	50.25	0.48	0.31	0.70	Lower

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Blessing Hospital	Quincy	39	58424	47.75	0.82	0.59	1.11	Similar
Carle Foundation Hospital	Urbana	88	98959	93.59	0.94	0.76	1.15	Similar
Carle Hoopeson Regional Hospital	Hoopeson	0	985	0.41	.	.	.	Not Available
Carlinville Area Hospital	Carlinville	0	2162	1.32	0.00	.	2.28	Similar
Centegra Hospital	Woodstock	12	16276	11.54	1.04	0.56	1.77	Similar
Centegra Hospital	McHenry	31	35403	23.07	1.34	0.93	1.88	Similar
CGH Medical Center	Sterling	7	14461	10.91	0.64	0.28	1.27	Similar
Clay County Hospital	Flora	0	4621	2.52	0.00	.	1.19	Similar
Community First Medical Center	Chicago	17	48606	38.79	0.44	0.26	0.69	Lower
Community Memorial Hospital	Staunton	0	840	0.37	.	.	.	Not Available
Crawford Memorial Hospital	Robinson	5	3156	1.85	2.70	0.99	5.98	Similar
Crossroads Community Hospital	Mount Vernon	1	3747	1.83	0.55	0.03	2.70	Similar
Decatur Memorial Hospital	Decatur	40	37170	37.23	1.07	0.78	1.45	Similar
Dr. John Warner Hospital	Clinton	0	688	0.28	.	.	.	Not Available
Edward Hospital	Naperville	80	91178	75.17	1.06	0.85	1.32	Similar
Elmhurst Memorial Hospital	Elmhurst	29	21804	16.42	1.77	1.21	2.50	Higher
Fairfield Memorial Hospital	Fairfield	1	2809	1.61	0.62	0.03	3.06	Similar
Fayette County Hospital	Vandalia	1	1640	0.82	.	.	.	Not Available
Ferrell Hospital	Eldorado	0	2914	1.59	0.00	.	1.89	Similar
FHN Memorial Hospital	Freeport	12	19593	7.49	1.60	0.87	2.72	Similar
Franciscan St. James Health	Chicago Heights	41	50663	32.64	1.26	0.91	1.69	Similar
Franciscan St. James Health	Olympia Fields	41	50663	32.64	1.26	0.91	1.69	Similar

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Franklin Hospital	Benton	5	1081	0.72	.	.	.	Not Available
Galesburg Cottage Hospital	Galesburg	5	9287	5.43	0.92	0.34	2.04	Similar
Gateway Regional Medical Center	Granite City	4	21410	15.03	0.27	0.09	0.64	Lower
Genesis Medical Center - Aledo	Aledo	0	1581	0.69	.	.	.	Not Available
Genesis Medical Center-Silvis	Silvis	7	11017	7.55	0.93	0.41	1.84	Similar
Gibson Area Hospital & Health Services	Gibson City	1	2984	1.35	0.74	0.04	3.66	Similar
Graham Hospital	Canton	1	8419	4.86	0.21	0.01	1.02	Similar
Hamilton Memorial Hospital District	Mcleansboro	0	3195	1.41	0.00	.	2.13	Similar
Hammond-Henry Hospital	Geneseo	2	4096	1.79	1.12	0.19	3.70	Similar
Hardin County General Hospital	Rosiclare	0	1473	0.76	.	.	.	Not Available
Harrisburg Medical Center	Harrisburg	0	6016	2.89	0.00	.	1.04	Similar
Heartland Regional Medical Center	Marion	7	10372	4.80	1.46	0.64	2.88	Similar
Herrin Hospital	Herrin	29	20105	16.53	1.76	1.20	2.49	Higher
Hillsboro Area Hospital	Hillsboro	0	2428	1.33	0.00	.	2.25	Similar
Holy Cross Hospital	Chicago	27	53837	38.09	0.71	0.48	1.02	Similar
Hopedale Hospital	Hopedale	2	2005	1.37	1.46	0.24	4.81	Similar
HSHS St Anthony's Memorial Hospital	Effingham	19	20621	11.41	1.67	1.03	2.55	Higher
HSHS St Elizabeth's Hospital	Belleville	25	40626	39.87	0.63	0.42	0.91	Lower
HSHS St Francis Hospital	Litchfield	1	4966	2.26	0.44	0.02	2.18	Similar
HSHS St John's Hospital	Springfield	73	76719	68.62	1.06	0.84	1.33	Similar
HSHS St Joseph's Hospital	Highland	2	6978	4.78	0.42	0.07	1.38	Similar
HSHS St Joseph's Hospital	Breese	2	4217	3.23	0.62	0.10	2.05	Similar

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HSHS St Mary's Hospital	Decatur	19	27375	21.45	0.89	0.55	1.36	Similar
Illini Community Hospital	Pittsfield	0	1496	0.71	.	.	.	Not Available
Illinois Valley Community Hospital	Peru	6	4468	3.41	1.76	0.71	3.66	Similar
Ingalls Memorial Hospital	Harvey	30	57357	45.75	0.66	0.45	0.92	Lower
Jackson Park Hospital & Medical Center	Chicago	0	26189	13.75	0.00	.	0.22	Lower
Jersey Community Hospital	Jerseyville	0	2947	1.73	0.00	.	1.73	Similar
John H Stroger Jr Hospital of Cook County	Chicago	59	98043	80.62	0.73	0.56	0.94	Lower
Katherine Shaw Bethea Hospital	Dixon	11	10716	4.99	2.20	1.16	3.83	Higher
Kirby Medical Center	Monticello	0	1999	1.07	0.00	.	2.80	Similar
Lawrence County Memorial Hospital	Lawrenceville	1	2437	1.35	0.74	0.04	3.66	Similar
Little Company of Mary Hospital	Evergreen Park	56	56168	49.09	1.14	0.87	1.47	Similar
Loretto Hospital	Chicago	0	24997	15.59	0.00	.	0.19	Lower
Loyola Gottlieb Memorial Hospital	Melrose Park	20	26047	20.15	0.99	0.62	1.51	Similar
Loyola University Medical Center	Maywood	172	118219	118.59	1.45	1.25	1.68	Higher
MacNeal Hospital	Berwyn	35	50415	40.92	0.86	0.61	1.18	Similar
Marshall Browning Hospital	Du Quoin	2	1707	1.04	1.93	0.32	6.36	Similar
Mason District Hospital	Havana	0	664	0.29	.	.	.	Not Available
Massac Memorial Hospital	Metropolis	3	1224	0.75	.	.	.	Not Available
McDonough District Hospital	Macomb	0	6453	3.69	0.00	.	0.81	Lower
Memorial Hospital	Belleville	54	70854	47.89	1.13	0.86	1.46	Similar
Memorial Hospital	Carthage	0	2449	1.60	0.00	.	1.87	Similar
Memorial Hospital	Chester	1	2848	1.70	0.59	0.03	2.90	Similar

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Memorial Hospital of Carbondale	Carbondale	22	32253	25.13	0.88	0.56	1.30	Similar
Memorial Medical Center	Springfield	111	106379	101.34	1.10	0.91	1.31	Similar
Mendota Community Hospital	Mendota	2	2280	0.95	.	.	.	Not Available
Mercy Harvard Hospital	Harvard	0	1258	0.69	.	.	.	Not Available
Mercy Hospital & Medical Center	Chicago	54	53511	46.11	1.17	0.89	1.52	Similar
Methodist Hospital of Chicago	Chicago	1	23069	12.59	0.08	0.00	0.39	Lower
MetroSouth Medical Center	Blue Island	19	32814	26.31	0.72	0.45	1.11	Similar
Midwest Medical Center	Galena	0	1780	0.78	.	.	.	Not Available
Morris Hospital & Healthcare Centers	Morris	23	15326	8.31	2.77	1.80	4.09	Higher
Morrison Community Hospital	Morrison	1	3232	1.62	0.62	0.03	3.05	Similar
Mount Sinai Hospital	Chicago	22	61677	49.44	0.45	0.29	0.66	Lower
Northshore Univ HS Evanston Hospital	Evanston	38	57230	49.37	0.77	0.55	1.05	Similar
Northshore Univ HS Glenbrook Hospital	Glenview	39	42388	34.97	1.12	0.80	1.51	Similar
Northshore Univ HS Highland Park Hospital	Highland Park	26	37769	26.50	0.98	0.66	1.42	Similar
Northshore Univ HS Skokie Hospital	Skokie	24	34018	27.40	0.88	0.57	1.28	Similar
Northwest Community Healthcare Hospital	Arlington Heights	81	81906	71.44	1.13	0.91	1.40	Similar
Northwestern Medicine Central DuPage Hospital	Winfield	61	84680	65.59	0.93	0.72	1.19	Similar
Northwestern Medicine Delnor Hospital	Geneva	44	30303	23.06	1.91	1.40	2.54	Higher
Northwestern Medicine Kishwaukee Hospital	De Kalb	17	21438	11.40	1.49	0.90	2.34	Similar
Northwestern Medicine Lake Forest Hospital	Lake Forest	14	22203	15.91	0.88	0.50	1.44	Similar
Northwestern Medicine Valley West Hospital	Sandwich	1	2563	1.20	0.83	0.04	4.12	Similar
Northwestern Memorial Hospital	Chicago	156	216444	176.02	0.89	0.76	1.03	Similar

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Norwegian-American Hospital	Chicago	15	39004	21.04	0.71	0.41	1.15	Similar
OSF Holy Family Medical Center	Monmouth	1	1965	1.08	0.93	0.05	4.58	Similar
OSF Saint Anthony Medical Center	Rockford	47	53538	48.28	0.97	0.72	1.28	Similar
OSF Saint Anthony's Health Center	Alton	4	10487	6.84	0.59	0.19	1.41	Similar
OSF Saint Elizabeth Medical Center	Ottawa	8	12911	6.40	1.25	0.58	2.38	Similar
OSF Saint Francis Medical Center	Peoria	162	155972	154.37	1.05	0.90	1.22	Similar
OSF Saint James-John W Albrecht Medical Center	Pontiac	1	5125	2.02	0.50	0.03	2.45	Similar
OSF Saint Luke Medical Center	Kewanee	1	1863	1.38	0.73	0.04	3.58	Similar
OSF St Joseph Medical Center	Bloomington	8	25645	12.28	0.65	0.30	1.24	Similar
OSF St Mary Medical Center	Galesburg	19	12333	6.31	3.01	1.87	4.62	Higher
Palos Community Hospital	Palos Heights	70	91178	75.14	0.93	0.73	1.17	Similar
Pana Community Hospital	Pana	0	1125	0.42	.	.	.	Not Available
Paris Community Hospital	Paris	0	2385	1.62	0.00	.	1.85	Similar
Passavant Area Hospital	Jacksonville	3	9700	4.58	0.66	0.17	1.78	Similar
Pekin Hospital	Pekin	18	15455	9.91	1.82	1.11	2.82	Higher
Perry Memorial Hospital	Princeton	0	2655	1.18	0.00	.	2.55	Similar
Pinckneyville Community Hospital	Pinckneyville	0	460	0.33	.	.	.	Not Available
Presence Covenant Medical Center	Urbana	20	25057	21.97	0.91	0.57	1.38	Similar
Presence Mercy Medical Center	Aurora	14	31278	24.60	0.57	0.32	0.93	Lower
Presence Resurrection Medical Center	Chicago	39	61433	57.03	0.68	0.49	0.93	Lower
Presence Saint Francis Hospital	Evanston	31	37609	32.22	0.96	0.67	1.35	Similar
Presence Saint Joseph Hospital	Elgin	14	24734	15.66	0.89	0.51	1.47	Similar

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Presence Saint Joseph Hospital	Chicago	28	51670	30.68	0.91	0.62	1.30	Similar
Presence Saint Joseph Medical Center	Joliet	70	93282	98.11	0.71	0.56	0.90	Lower
Presence Saints Mary and Elizabeth Medical Center	Chicago	29	86179	67.87	0.43	0.29	0.61	Lower
Presence St Mary's Hospital	Kankakee	14	18993	12.56	1.12	0.64	1.83	Similar
Presence United Samaritans Medical Center	Danville	9	20560	12.04	0.75	0.37	1.37	Similar
Provident Hospital of Cook County	Chicago	0	2899	1.22	0.00	.	2.45	Similar
Red Bud Regional Hospital	Red Bud	1	2251	1.42	0.70	0.04	3.46	Similar
Richland Memorial Hospital	Olney	2	4000	2.72	0.74	0.12	2.43	Similar
Riverside Medical Center	Kankakee	26	50246	46.16	0.56	0.38	0.81	Lower
Rochelle Community Hospital	Rochelle	0	1590	0.80	.	.	.	Not Available
Rockford Memorial Hospital	Rockford	46	48721	44.46	1.04	0.77	1.37	Similar
Roseland Community Hospital	Chicago	4	17328	7.20	0.56	0.18	1.34	Similar
Rush Oak Park Hospital	Oak Park	20	18036	12.50	1.60	1.01	2.43	Higher
Rush University Medical Center	Chicago	138	149707	132.73	1.04	0.88	1.22	Similar
Rush-Copley Medical Center	Aurora	21	42527	37.92	0.55	0.35	0.83	Lower
Salem Township Hospital	Salem	0	1870	0.97	.	.	.	Not Available
Sarah Bush Lincoln Health Center	Mattoon	27	32198	21.60	1.25	0.84	1.79	Similar
Sarah D Culbertson Memorial Hospital	Rushville	0	1485	0.91	.	.	.	Not Available
Shelby Memorial Hospital	Shelbyville	0	1758	1.23	0.00	.	2.43	Similar
Shriners Hospital For Children	Chicago	2	2949	1.84	1.09	0.18	3.59	Similar
Silver Cross Hospital	New Lenox	40	64100	52.38	0.76	0.55	1.03	Similar
South Shore Hospital	Chicago	11	21729	11.41	0.96	0.51	1.68	Similar

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Sparta Community Hospital	Sparta	1	2572	1.20	0.84	0.04	4.13	Similar
SSM Health Good Samaritan Hospital	Mount Vernon	44	29998	24.68	1.78	1.31	2.37	Higher
SSM Health St Mary's Hospital	Centralia	14	19173	11.73	1.19	0.68	1.96	Similar
St Anthony Hospital	Chicago	4	14773	7.19	0.56	0.18	1.34	Similar
St Bernard Hospital & Health Care Center	Chicago	10	35463	23.28	0.43	0.22	0.77	Lower
St Joseph Memorial Hospital	Murphysboro	6	4405	2.53	2.37	0.96	4.94	Similar
St Margaret's Health	Spring Valley	5	5923	4.44	1.13	0.41	2.50	Similar
Swedish Covenant Hospital	Chicago	35	67423	62.02	0.56	0.40	0.78	Lower
Swedish American Hospital	Rockford	39	61839	43.11	0.91	0.65	1.22	Similar
Taylorville Memorial Hospital	Taylorville	2	4559	2.39	0.84	0.14	2.76	Similar
Thomas H Boyd Memorial Hospital	Carrollton	0	1111	0.48	.	.	.	Not Available
Thorek Hospital & Medical Center	Chicago	5	8609	5.34	0.94	0.34	2.08	Similar
Touchette Regional Hospital	Centreville	0	8992	4.62	0.00	.	0.65	Lower
Union County Hospital	Anna	0	3720	1.62	0.00	.	1.85	Similar
UnityPoint Health - Methodist	Peoria	29	42512	35.33	0.82	0.56	1.16	Similar
UnityPoint Health - Proctor	Peoria	7	14529	8.91	0.79	0.34	1.55	Similar
UnityPoint Health - Trinity - Moline	Moline	0	4887	2.67	0.00	.	1.12	Similar
UnityPoint Health - Trinity - Rock Island	Rock Island	45	60435	43.71	1.03	0.76	1.37	Similar
University of Chicago Medicine	Chicago	203	168125	169.58	1.20	1.04	1.37	Higher
University of Illinois Hospital & Health Sciences System	Chicago	116	115726	110.33	1.05	0.87	1.26	Similar
Vista Medical Center East	Waukegan	17	39370	29.60	0.57	0.35	0.90	Lower
Wabash General Hospital	Mount Carmel	0	2384	1.59	0.00	.	1.89	Similar

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Washington County Hospital	Nashville	0	219	0.10	.	.	.	Not Available
Weiss Memorial Hospital	Chicago	30	27188	22.03	1.36	0.94	1.92	Similar
West Suburban Medical Center	Oak Park	23	30648	28.31	0.81	0.53	1.20	Similar
Westlake Hospital	Melrose Park	12	25994	11.34	1.06	0.57	1.80	Similar

NHSN Data contained in this report were last generated on June 20, 2016

^a The Standardized Infection Ratio (SIR) is a summary measure used to compare the actual number of MDRO events reported with the standard population.

It is the observed number of infections divided by the predicted number of infections.

^b Please note that the predicted number of infections does not mean that you expect to get an infection when you are hospitalized.

^c If the predicted number of infections is less than 1.00, the SIR is not calculated because it does not meet the minimum requirement for precision.

^d The 95% confidence interval for a hospital's standardized infection ratio (SIR) is the range of possible SIRs within which there is 95% confidence that the real SIR for that hospital lies.

If the number of observed infections is 0 and the number predicted is greater than or equal to 1.00, a 95% confidence interval is reported

^e The lower bound of the confidence interval is calculated only if the infection count is greater than 0.

Interpretation of the SIR:

- If the 95% confidence interval includes 1.00, the hospital's infection rate is similar (not significantly different) from expected (predicted)
- If the SIR is greater than 1.00 and the 95% confidence interval does not include 1.00, the hospital's infection rate is significantly higher than expected (predicted)
- If the SIR is less than 1.00 and the 95% confidence interval does not include 1.00, the hospital's infection rate is significantly lower than expected (predicted)

NOTE: All conclusions are based on the assumption that the hospital's patient population is similar to the referent population (NHSN 2010-2011 pooled patient population)