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**Illinois Statewide Report of *Clostridium difficile* infections in Acute Care Hospitals,
NHSN Surveillance Reporting January 1, 2014 – December 31, 2014**

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, 2014 to December 31, 2014.

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, 2014 - December 31, 2014
STATEWIDE

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	0	4195	1.73	0.00	.	1.74	Similar
Adventist Bolingbrook Hospital	Bolingbrook	10	18086	14.81	0.68	0.34	1.20	Similar
Adventist Glenoaks Hospital	Glendale Heights	13	27970	19.10	0.68	0.38	1.14	Similar
Adventist Hinsdale Hospital	Hinsdale	24	48760	33.06	0.73	0.48	1.06	Similar
Adventist La Grange Memorial Hospital	La Grange	33	33470	30.03	1.10	0.77	1.53	Similar
Advocate Bromenn Medical Center	Normal	24	38309	28.57	0.84	0.55	1.23	Similar
Advocate Christ Hospital & Medical Center	Oak Lawn	216	192602	163.92	1.32	1.15	1.50	Higher
Advocate Condell Medical Center	Libertyville	60	74763	69.99	0.86	0.66	1.10	Similar
Advocate Eureka Hospital	Eureka	0	1682	0.62	.	.	.	Not Available
Advocate Good Samaritan Hospital	Downers Grove	51	68351	52.94	0.96	0.73	1.26	Similar
Advocate Good Shepherd Hospital	Barrington	32	41905	25.50	1.26	0.87	1.75	Similar
Advocate Illinois Masonic Medical Center	Chicago	46	67438	60.51	0.76	0.56	1.01	Similar
Advocate Lutheran General Hospital	Park Ridge	88	144408	118.79	0.74	0.60	0.91	Lower
Advocate Sherman Hospital	Elgin	18	56361	32.67	0.55	0.34	0.85	Lower
Advocate South Suburban Hospital	Hazel Crest	55	51162	27.73	1.98	1.51	2.56	Higher
Advocate Trinity Hospital	Chicago	29	42106	19.19	1.51	1.03	2.14	Higher
Alexian Brothers Medical Center	Elk Grove Village	73	79494	60.82	1.20	0.95	1.50	Similar
Alton Memorial Hospital	Alton	12	24300	12.69	0.95	0.51	1.61	Similar
Anderson Hospital	Maryville	14	27132	14.94	0.94	0.53	1.54	Similar
Ann & Robert H Lurie Children's Hospital of Chicago	Chicago	32	59788	53.32	0.60	0.42	0.84	Lower

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Blessing Hospital	Quincy	45	70550	56.84	0.79	0.58	1.05	Similar
CGH Medical Center	Sterling	1	14946	7.82	0.13	0.01	0.63	Lower
Carle Foundation Hospital	Urbana	78	98932	94.88	0.82	0.65	1.02	Similar
Carle Hoopeson Regional Health Center	Hoopeston	0	1111	0.48	.	.	.	Not Available
Carlinville Area Hospital	Carlinville	0	1680	0.76	.	.	.	Not Available
Centegra Hospital	Woodstock	9	26493	18.38	0.49	0.24	0.90	Lower
Centegra Hospital	McHenry	25	43371	25.36	0.99	0.65	1.43	Similar
Clay County Hospital	Flora	2	3538	1.77	1.13	0.19	3.73	Similar
Community First Medical Center	Chicago	26	50161	37.60	0.69	0.46	1.00	Lower
Community Memorial Hospital	Staunton	0	964	0.42	.	.	.	Not Available
Crawford Memorial Hospital	Robinson	4	3417	1.44	2.79	0.89	6.72	Similar
Crossroads Community Hospital	Mount Vernon	0	3690	1.81	0.00	.	1.65	Similar
Decatur Memorial Hospital	Decatur	40	37379	34.08	1.17	0.85	1.58	Similar
Dr. John Warner Hospital	Clinton	1	1016	0.45	.	.	.	Not Available
Edward Hospital	Naperville	94	86907	75.76	1.24	1.01	1.51	Higher
Elmhurst Memorial Hospital	Elmhurst	49	60549	35.14	1.39	1.04	1.83	Higher
FHN Memorial Hospital	Freeport	10	15212	6.80	1.47	0.75	2.62	Similar
Fairfield Memorial Hospital	Fairfield	2	3439	2.08	0.96	0.16	3.18	Similar
Fayette County Hospital	Vandalia	0	1718	0.80	.	.	.	Not Available
Ferrell Hospital	Eldorado	0	3074	1.38	0.00	.	2.17	Similar

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Franciscan St. James Health	Chicago Heights	41	56611	33.21	1.24	0.90	1.66	Similar
Franciscan St. James Health	Olympia Fields	41	56611	33.21	1.24	0.90	1.66	Similar
Franklin Hospital	Benton	3	1469	1.09	2.76	0.70	7.50	Similar
Galesburg Cottage Hospital	Galesburg	12	10737	6.00	2.00	1.08	3.40	Higher
Gateway Regional Medical Center	Granite City	7	35685	14.94	0.47	0.21	0.93	Lower
Genesis Medical Center - Aledo	Aledo	0	1648	0.72	.	.	.	Not Available
Genesis Medical Center-Silvis	Silvis	7	12105	8.49	0.82	0.36	1.63	Similar
Gibson Area Hospital & Health Services	Gibson City	0	2571	1.17	0.00	.	2.57	Similar
Good Samaritan Regional Health Center	Mount Vernon	39	29314	22.14	1.76	1.27	2.38	Higher
Graham Hospital	Canton	9	12287	5.58	1.61	0.79	2.96	Similar
Greenville Regional Hospital	Greenville	3	4266	2.93	1.03	0.26	2.79	Similar
Hamilton Memorial Hospital District	Mcleansboro	2	3057	2.06	0.97	0.16	3.21	Similar
Hammond-Henry Hospital	Geneseo	0	3078	1.34	0.00	.	2.23	Similar
Hardin County General Hospital	Rosiclare	0	1506	0.74	.	.	.	Not Available
Harrisburg Medical Center	Harrisburg	0	6944	2.84	0.00	.	1.06	Similar
Heartland Regional Medical Center	Marion	7	14011	7.00	1.00	0.44	1.98	Similar
Herrin Hospital	Herrin	32	27779	12.73	2.52	1.75	3.51	Higher
Hillsboro Area Hospital	Hillsboro	3	2688	1.46	2.05	0.52	5.58	Similar
Holy Cross Hospital	Chicago	19	65689	44.67	0.43	0.26	0.65	Lower
Hopedale Medical Complex	Hopedale	1	2915	1.88	0.53	0.03	2.63	Similar

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Illini Community Hospital	Pittsfield	0	1166	0.43	.	.	.	Not Available
Illinois Valley Community Hospital	Peru	6	7280	5.10	1.18	0.48	2.45	Similar
Ingalls Memorial Hospital	Harvey	36	67184	54.18	0.66	0.47	0.91	Lower
Iroquois Memorial Hospital & Resident Home	Watseka	0	1475	0.81	.	.	.	Not Available
Jackson Park Hospital	Chicago	7	33147	19.12	0.37	0.16	0.72	Lower
Jersey Community Hospital	Jerseyville	1	3361	1.80	0.56	0.03	2.75	Similar
John H. Stroger, Jr. Hospital of Cook County	Chicago	29	94112	63.62	0.46	0.31	0.65	Lower
Katherine Shaw Bethea Hospital	Dixon	8	14321	8.03	1.00	0.46	1.89	Similar
Kirby Medical Center	Monticello	0	2199	1.20	0.00	.	2.50	Similar
Kishwaukee Hospital	DeKalb	16	20399	10.92	1.47	0.87	2.33	Similar
Lawrence County Memorial Hospital	Lawrenceville	1	2613	1.21	0.83	0.04	4.09	Similar
Little Company of Mary Hospital & Hc Centers	Evergreen Park	71	61549	55.47	1.28	1.01	1.61	Higher
Loretto Hospital	Chicago	3	24879	14.36	0.21	0.05	0.57	Lower
Loyola Gottlieb Memorial Hospital	Melrose Park	19	31263	15.02	1.27	0.78	1.94	Similar
Loyola University Medical Center	Maywood	173	115364	74.77	2.31	1.99	2.68	Higher
Macneal Hospital	Berwyn	58	80366	61.51	0.94	0.72	1.21	Similar
Marshall Browning Hospital	Duquoin	1	893	0.63	.	.	.	Not Available
Mason District Hospital	Havana	0	274	0.12	.	.	.	Not Available
Massac Memorial Hospital	Metropolis	1	4156	2.11	0.47	0.02	2.34	Similar
Mcdonough District Hospital	Macomb	5	5717	3.53	1.42	0.52	3.14	Similar

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Memorial Hospital	Belleville	51	69172	35.71	1.43	1.08	1.86	Higher
Memorial Hospital	Carthage	0	2756	1.47	0.00	.	2.04	Similar
Memorial Hospital	Chester	5	2690	1.67	3.00	1.10	6.65	Higher
Memorial Hospital of Carbondale	Carbondale	31	35770	17.94	1.73	1.20	2.42	Higher
Memorial Medical Center	Springfield	110	121132	103.64	1.06	0.88	1.27	Similar
Mercy Harvard Hospital	Harvard	0	1156	0.71	.	.	.	Not Available
Mercy Hospital & Medical Center	Chicago	31	58372	47.77	0.65	0.45	0.91	Lower
Methodist Hospital of Chicago	Chicago	1	23862	11.02	0.09	0.01	0.45	Lower
Metrosouth Medical Center	Blue Island	24	35292	20.17	1.19	0.78	1.74	Similar
Midwest Medical Center	Galena	0	1474	0.59	.	.	.	Not Available
Morris Hospital & Healthcare Centers	Morris	14	14140	6.55	2.14	1.22	3.50	Higher
Morrison Community Hospital	Morrison	2	2619	1.56	1.28	0.21	4.23	Similar
Mount Sinai Hospital	Chicago	18	59376	50.91	0.35	0.22	0.55	Lower
Northshore University HS Evanston Hospital	Evanston	35	73970	63.54	0.55	0.39	0.76	Lower
Northshore University HS Glenbrook Hospital	Glenview	27	42734	32.22	0.84	0.56	1.20	Similar
Northshore University HS Highland Park Hospital	Highland Park	26	36944	25.21	1.03	0.69	1.49	Similar
Northshore University HS Skokie Hospital	Skokie	14	31872	26.89	0.52	0.30	0.85	Lower
Northwest Community Hospital	Arlington Heights	82	91045	72.10	1.14	0.91	1.40	Similar
Northwestern Medicine Central DuPage Hospital	Winfield	62	91048	70.38	0.88	0.68	1.12	Similar
Northwestern Medicine Delnor Hospital	Geneva	26	27314	22.17	1.17	0.78	1.69	Similar

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Northwestern Medicine Lake Forest Hospital	Lake Forest	10	43155	25.34	0.40	0.20	0.70	Lower
Northwestern Memorial Hospital	Chicago	164	215479	174.36	0.94	0.81	1.09	Similar
Norwegian-American Hospital	Chicago	7	38906	20.20	0.35	0.15	0.69	Lower
OSF Holy Family Medical Center	Monmouth	0	1709	0.80	.	.	.	Not Available
OSF Saint Anthony Medical Center	Rockford	86	47722	45.27	1.90	1.53	2.33	Higher
OSF Saint Anthony's Health Center	Alton	7	11463	8.16	0.86	0.38	1.70	Similar
OSF Saint Elizabeth Medical Center	Ottawa	4	13540	5.99	0.67	0.21	1.61	Similar
OSF Saint Francis Medical Center	Peoria	177	157362	149.14	1.19	1.02	1.37	Higher
OSF Saint James-John W Albrecht Medical Center	Pontiac	0	4583	1.70	0.00	.	1.76	Similar
OSF Saint Luke Medical Center	Kewanee	0	1996	1.34	0.00	.	2.24	Similar
OSF Saint Paul Medical Center	Mendota	1	2873	1.25	0.80	0.04	3.94	Similar
OSF St. Joseph Medical Center	Bloomington	10	25873	12.64	0.79	0.40	1.41	Similar
OSF St. Mary Medical Center	Galesburg	11	12074	6.79	1.62	0.85	2.81	Similar
Palos Community Hospital	Palos Heights	80	85480	75.08	1.07	0.85	1.32	Similar
Pana Community Hospital	Pana	0	1134	0.48	.	.	.	Not Available
Paris Community Hospital	Paris	2	2386	1.43	1.40	0.24	4.62	Similar
Passavant Area Hospital	Jacksonville	6	14467	6.99	0.86	0.35	1.79	Similar
Pekin Hospital	Pekin	9	16593	10.28	0.88	0.43	1.61	Similar
Perry Memorial Hospital	Princeton	0	2720	1.50	0.00	.	1.99	Similar
Pinckneyville Community Hospital	Pinckneyville	3	339	0.13	.	.	.	Not Available

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Presence Covenant Medical Center	Urbana	24	29826	26.75	0.90	0.59	1.32	Similar
Presence Mercy Medical Center	Aurora	23	50626	35.69	0.64	0.42	0.95	Lower
Presence Resurrection Medical Center	Chicago	67	70953	65.01	1.03	0.81	1.30	Similar
Presence Saint Francis Hospital	Evanston	37	37984	31.21	1.19	0.85	1.62	Similar
Presence Saint Joseph Hospital-Chicago	Chicago	36	58644	33.23	1.08	0.77	1.48	Similar
Presence Saint Joseph Hospital-Elgin	Elgin	17	43230	18.96	0.90	0.54	1.41	Similar
Presence Saint Joseph Medical Center	Joliet	85	104699	104.62	0.81	0.65	1.00	Similar
Presence Saints Mary And Elizabeth Medical Center	Chicago	46	113055	87.86	0.52	0.39	0.69	Lower
Presence St. Mary's Hospital	Kankakee	18	21570	13.38	1.35	0.82	2.09	Similar
Presence United Samaritans Medical Center	Danville	8	25214	13.96	0.57	0.27	1.09	Similar
Provident Hospital of Cook County	Chicago	1	2670	1.16	0.86	0.04	4.24	Similar
Red Bud Regional Hospital	Red Bud	2	4647	2.22	0.90	0.15	2.98	Similar
Richland Memorial Hospital	Olney	7	18336	11.19	0.63	0.27	1.24	Similar
Riverside Medical Center	Kankakee	25	57816	50.97	0.49	0.32	0.71	Lower
Rochelle Community Hospital	Rochelle	1	1948	1.00	.	.	.	Not Available
Rockford Memorial Hospital	Rockford	62	51071	48.41	1.28	0.99	1.63	Similar
Roseland Community Hospital	Chicago	5	14014	6.37	0.79	0.29	1.74	Similar
Rush Oak Park Hospital	Oak Park	24	24143	16.78	1.43	0.94	2.10	Similar
Rush University Medical Center	Chicago	148	161317	136.34	1.09	0.92	1.27	Similar
Rush-Copley Medical Center	Aurora	29	46962	40.50	0.72	0.49	1.02	Similar

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Salem Township Hospital	Salem	0	2232	0.98	.	.	.	Not Available
Sarah Bush Lincoln Health Center	Mattoon	13	24587	13.24	0.98	0.55	1.64	Similar
Sarah D Culbertson Memorial Hospital	Rushville	1	1708	1.04	0.97	0.05	4.76	Similar
Shelby Memorial Hospital	Shelbyville	0	2021	0.96	.	.	.	Not Available
Shriners Hospital For Children	Chicago	1	3100	1.63	0.61	0.03	3.03	Similar
Silver Cross Hospital	New Lenox	34	75510	60.72	0.56	0.39	0.77	Lower
South Shore Hospital	Chicago	17	27556	19.40	0.88	0.53	1.37	Similar
Sparta Community Hospital	Sparta	0	2917	1.42	0.00	.	2.11	Similar
St. Alexius Medical Center	Hoffman Estates	66	74246	54.43	1.21	0.95	1.53	Similar
St. Anthony Hospital	Chicago	6	23801	14.72	0.41	0.17	0.85	Lower
St. Anthony's Memorial Hospital	Effingham	14	20635	10.67	1.31	0.75	2.15	Similar
St. Bernard Hospital & Health Care Center	Chicago	19	36817	24.80	0.77	0.48	1.17	Similar
St. Elizabeth's Hospital	Belleville	38	51616	42.89	0.89	0.64	1.20	Similar
St. Francis Hospital	Litchfield	3	3624	1.58	1.90	0.48	5.17	Similar
St. John's Hospital	Springfield	52	86810	82.97	0.63	0.47	0.82	Lower
St. Joseph Memorial Hospital	Murphysboro	5	4712	2.29	2.18	0.80	4.84	Similar
St. Joseph's Hospital	Highland	10	5520	4.47	2.24	1.14	3.98	Higher
St. Joseph's Hospital	Breese	0	3391	2.26	0.00	.	1.33	Similar
St. Margaret's Health	Spring Valley	7	6595	4.45	1.57	0.69	3.11	Similar
St. Mary's Hospital - Centralia	Centralia	9	18274	7.97	1.13	0.55	2.07	Similar

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St. Mary's Hospital - Decatur	Decatur	40	41506	31.75	1.26	0.91	1.70	Similar
St. Mary's Hospital - Streator	Streator	3	6561	3.33	0.90	0.23	2.46	Similar
Swedish Covenant Hospital	Chicago	50	75108	66.91	0.75	0.56	0.98	Lower
Swedishamerican Hospital	Rockford	54	60596	41.96	1.29	0.98	1.67	Similar
Taylorville Memorial Hospital	Taylorville	2	5286	2.65	0.76	0.13	2.49	Similar
Thomas H Boyd Memorial Hospital	Carrollton	0	1384	0.60	.	.	.	Not Available
Thorek Hospital & Medical Center	Chicago	13	11332	7.20	1.81	1.00	3.01	Higher
Touchette Regional Hospital	Centreville	1	19102	9.15	0.11	0.01	0.54	Lower
Union County Hospital	Anna	0	3435	1.56	0.00	.	1.92	Similar
UnityPoint Health-Proctor	Peoria	11	31551	18.66	0.59	0.31	1.03	Similar
UnityPoint Health - Methodist	Peoria	41	71716	45.80	0.90	0.65	1.20	Similar
UnityPoint Health - Trinity - Moline	Moline	0	4733	2.58	0.00	.	1.16	Similar
UnityPoint Health - Trinity - Rock Island	Rock Island	51	68833	56.21	0.91	0.68	1.18	Similar
University of Chicago Medicine	Chicago	213	154366	106.69	2.00	1.74	2.28	Higher
University of Illinois Hospital & Health Sciences System	Chicago	114	115338	93.69	1.22	1.01	1.46	Higher
Valley West Hospital	Sandwich	2	2535	1.40	1.43	0.24	4.72	Similar
Vista Medical Center East	Waukegan	28	43647	25.51	1.10	0.74	1.57	Similar
Vista Medical Center West	Waukegan	2	12664	5.52	0.36	0.06	1.20	Similar
Wabash General Hospital	Mount Carmel	2	1961	1.01	1.98	0.33	6.56	Similar
Washington County Hospital	Nashville	0	341	0.15	.	.	.	Not Available

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Weiss Memorial Hospital	Chicago	24	31960	24.11	1.00	0.65	1.46	Similar
West Suburban Medical Center	Oak Park	31	30216	23.63	1.31	0.91	1.84	Similar
Westlake Hospital	Melrose Park	10	31050	13.69	0.73	0.37	1.30	Similar

NHSN Data contained in this report were last generated on June 17, 2015

^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)