



**Illinois Statewide Report of *Clostridium difficile* Infections (CDI) in Acute Care and Critical Access Hospitals,  
NHSN LabID Event Reporting, January 1, 2016 – December 31, 2016**

As of January 1, 2012, all Illinois hospitals began mandated reporting of CDIs 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](http://www.cdc.gov/nhsn/PDFs/pscManual/12pscMDRO_CDADcurrent.pdf)). NHSN LabID 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. Positive lab results (LabID Events) are categorized as healthcare facility-onset (HO) or community-onset (CO) based on when an individual is admitted to a hospital as a patient and when the lab specimen was obtained. LabID Events are categorized as HO if the specimen was collected on or after the fourth day of an inpatient hospital stay. Events are categorized as CO if the specimen was collected during the first 3 days of an inpatient stay. This report shows HO CDI data submitted to NHSN by acute care and critical access hospitals across Illinois from January 1, 2016 to December 31, 2016.

**Standardized Infection Ratio and 95% Confidence Interval**

The standardized infection ratio (SIR) is a measure that compares the HO CDI burden at a facility to that of the national referent population (2015 NHSN inpatient, facility-wide aggregate data). NHSN uses risk models that determine the predicted number of CDIs based on the national baseline data, adjusting for statistically significant risk factors (e.g., type of CDI testing performed and prevalence rate of CO CDI). The model and factors used for risk adjustment depend on the facility type (e.g., acute care hospital or critical access hospital). A facility's SIR is calculated as the actual, or observed, number of HO incident cases reported by the facility divided by the predicted number of infections.

The corresponding 95% confidence interval (CI) is a statistical measure that shows a range of estimated possible values for the SIR. The upper and lower bounds of the interval are used to determine the statistical significance and precision of the SIR. The SIR and 95% CI are interpreted as follows:

- If the 95% CI includes 1 (i.e., the lower bound is  $<1$  and the upper bound is  $>1$ ), the hospital's number of infections is similar to (not significantly different from) the predicted number.
- If the SIR is  $>1$  and the 95% CI does not include 1, the hospital had a significantly higher number of infections than predicted.
- If the SIR is  $<1$  and the 95% CI does not include 1, the hospital had a significantly lower number of infections than predicted.

Additional information regarding these CDI risk models and SIR calculations can be found at:

<http://www.cdc.gov/nhsn/PDFs/mrsa-cdi/RiskAdjustment-MRSA-CDI.pdf>

**Multidrug-Resistant Organism (MDRO) Standardized Infection Ratio (SIR<sup>a</sup>)**  
**Reporting Period: January 1, 2016 - December 31, 2016**  
**STATEWIDE**

Hospital Name	Hospital City	Observed [O] Number of CDI	Number of Patient Days	Statistically Predicted [P] Number of CDI <sup>b</sup>	SIR <sup>c</sup> = O/P	95% Confidence Interval <sup>d</sup>		Statistical Interpretation
						Lower Bound <sup>e</sup>	Upper Bound	
Abraham Lincoln Memorial Hospital	Lincoln	1	3546	1.61	0.62	0.03	3.06	Similar
Advocate BroMenn Medical Center	Normal	28	32183	18.98	1.48	1.00	2.10	Similar
Advocate Christ Medical Center	Oak Lawn	177	192087	156.46	1.13	0.97	1.31	Similar
Advocate Condell Medical Center	Libertyville	56	75121	54.89	1.02	0.78	1.32	Similar
Advocate Eureka Hospital	Eureka	0	1250	0.28	.	.	.	Not Available
Advocate Good Samaritan Hospital	Downers Grove	52	71830	40.87	1.27	0.96	1.66	Similar
Advocate Good Shepherd Hospital	Barrington	39	45060	27.36	1.43	1.03	1.93	Higher
Advocate Illinois Masonic Medical Center	Chicago	22	58503	40.11	0.55	0.35	0.82	Lower
Advocate Lutheran General Hospital	Park Ridge	126	127556	90.52	1.39	1.16	1.65	Higher
Advocate Sherman Hospital	Elgin	38	54198	44.72	0.85	0.61	1.15	Similar
Advocate South Suburban Hospital	Hazel Crest	53	56374	41.29	1.28	0.97	1.67	Similar
Advocate Trinity Hospital	Chicago	34	38744	25.68	1.32	0.93	1.83	Similar
Alton Memorial Hospital	Alton	8	23501	10.33	0.77	0.36	1.47	Similar
AMITA Health Adventist Med Ctr Bolingbrook	Bolingbrook	9	23000	22.52	0.40	0.20	0.73	Lower
AMITA Health Adventist Med Ctr GlenOaks	Glendale Heights	7	26370	15.75	0.44	0.19	0.88	Lower
AMITA Health Adventist Med Ctr Hinsdale	Hinsdale	23	45703	34.82	0.66	0.43	0.98	Lower
AMITA Health Adventist Med Ctr La Grange	La Grange	22	37181	39.28	0.56	0.36	0.83	Lower
AMITA Health Alexian Brothers Med Ctr Elk Grove Village	Elk Grove Village	52	78194	58.20	0.89	0.67	1.16	Similar
AMITA Health St. Alexius Med Center Hoffman Estates	Hoffman Estates	37	77972	56.75	0.65	0.47	0.89	Lower

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Anderson Hospital	Maryville	16	29820	15.65	1.02	0.61	1.63	Similar
Ann & Robert H Lurie Children's Hospital of Chicago	Chicago	36	63005	31.01	1.16	0.83	1.59	Similar
Blessing Hospital	Quincy	59	48279	37.02	1.59	1.22	2.04	Higher
Carle Foundation Hospital	Urbana	106	103711	87.23	1.22	1.00	1.46	Similar
Carle Hoopeston Regional Hospital	Hoopeston	0	778	0.31	.	.	.	Not Available
Carlinville Area Hospital	Carlinville	2	3584	0.98	.	.	.	Not Available
Centegra Hospital - McHenry	McHenry	19	36761	21.77	0.87	0.54	1.34	Similar
Centegra Hospital - Woodstock	Woodstock	5	15211	11.32	0.44	0.16	0.98	Lower
CGH Medical Center	Sterling	10	13385	8.53	1.17	0.60	2.09	Similar
Clay County Hospital	Flora	0	3705	0.79	.	.	.	Not Available
Community First Medical Center	Chicago	22	48742	35.25	0.62	0.40	0.93	Lower
Community Memorial Hospital	Staunton	0	27992	6.18	0.00	.	0.49	Lower
Crawford Memorial Hospital	Robinson	1	2653	1.02	0.98	0.05	4.83	Similar
Crossroads Community Hospital	Mount Vernon	0	2720	1.00	.	.	.	Not Available
Decatur Memorial Hospital	Decatur	50	33752	31.28	1.60	1.20	2.09	Higher
Edward Hospital	Naperville	83	90380	91.05	0.91	0.73	1.12	Similar
Elmhurst Memorial Hospital	Elmhurst	60	72448	58.59	1.02	0.79	1.31	Similar
Fairfield Memorial Hospital	Fairfield	2	3018	1.15	1.74	0.29	5.76	Similar
Fayette County Hospital	Vandalia	1	1086	0.29	.	.	.	Not Available
Ferrell Hospital	Eldorado	0	3314	1.17	0.00	.	2.55	Similar

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FHN Memorial Hospital	Freeport	19	18545	8.08	2.35	1.46	3.60	Higher
Franciscan St. James Health	Chicago Heights	37	47341	42.60	0.87	0.62	1.18	Similar
Franciscan St. James Health	Olympia Fields	37	47341	42.60	0.87	0.62	1.18	Similar
Franklin Hospital	Benton	0	1089	0.37	.	.	.	Not Available
Galesburg Cottage Hospital	Galesburg	7	7471	3.23	2.17	0.95	4.28	Similar
Gateway Regional Medical Center	Granite City	8	31643	17.70	0.45	0.21	0.86	Lower
Genesis Medical Center - Aledo	Aledo	0	936	0.21	.	.	.	Not Available
Genesis Medical Center-Silvis	Silvis	9	11163	7.08	1.27	0.62	2.33	Similar
Gibson Area Hospital & Health Services	Gibson City	0	2320	0.63	.	.	.	Not Available
Graham Hospital	Canton	4	7371	4.06	0.99	0.31	2.38	Similar
Hamilton Memorial Hospital District	McLeansboro	4	3935	2.41	1.66	0.53	4.00	Similar
Hammond-Henry Hospital	Geneseo	0	3538	0.98	.	.	.	Not Available
Hardin County General Hospital	Rosiclare	0	1580	0.35	.	.	.	Not Available
Harrisburg Medical Center	Harrisburg	2	15456	3.06	0.65	0.11	2.16	Similar
Heartland Regional Medical Center	Marion	6	10234	4.19	1.43	0.58	2.98	Similar
Herrin Hospital	Herrin	43	24258	32.89	1.31	0.96	1.75	Similar
Hillsboro Area Hospital	Hillsboro	2	2098	0.46	.	.	.	Not Available
Holy Cross Hospital	Chicago	22	51542	33.13	0.66	0.43	0.99	Lower
Hopedale Hospital	Hopedale	0	2492	0.55	.	.	.	Not Available
HSHS Good Shepherd Hospital	Shelbyville	1	1728	0.59	.	.	.	Not Available

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HSHS Holy Family Hospital	Greenville	0	2960	0.83	.	.	.	Not Available
HSHS St Anthony's Memorial Hospital	Effingham	7	16917	16.81	0.42	0.18	0.82	Lower
HSHS St Elizabeth's Hospital	Belleville	25	30984	24.68	1.01	0.67	1.47	Similar
HSHS St Francis Hospital	Litchfield	0	5376	1.19	0.00	.	2.52	Similar
HSHS St John's Hospital	Springfield	84	74874	76.42	1.10	0.88	1.35	Similar
HSHS St Joseph's Hospital	Highland	7	6809	3.09	2.26	0.99	4.48	Similar
HSHS St Joseph's Hospital	Breese	1	3994	1.65	0.61	0.03	3.00	Similar
HSHS St Mary's Hospital	Decatur	20	28373	23.21	0.86	0.54	1.31	Similar
Illini Community Hospital	Pittsfield	1	2197	0.49	.	.	.	Not Available
Illinois Valley Community Hospital	Peru	5	6530	6.20	0.81	0.30	1.79	Similar
Ingalls Memorial Hospital	Harvey	45	61294	43.17	1.04	0.77	1.38	Similar
Iroquois Memorial Hospital & Resident Home	Watseka	1	1788	0.51	.	.	.	Not Available
Jackson Park Hospital & Medical Center	Chicago	1	32488	11.71	0.09	0.00	0.42	Lower
Jersey Community Hospital	Jerseyville	0	2954	0.68	.	.	.	Not Available
John H Stroger Jr Hospital of Cook County	Chicago	54	99266	62.54	0.86	0.66	1.12	Similar
Katherine Shaw Bethea Hospital	Dixon	6	10238	5.29	1.14	0.46	2.36	Similar
Kirby Medical Center	Monticello	0	2440	0.54	.	.	.	Not Available
Lawrence County Memorial Hospital	Lawrenceville	2	2622	1.06	1.89	0.32	6.24	Similar
Little Company of Mary Hospital	Evergreen Park	54	55697	45.34	1.19	0.90	1.54	Similar
Loretto Hospital	Chicago	4	23312	12.23	0.33	0.10	0.79	Lower

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Loyola Gottlieb Memorial Hospital	Melrose Park	21	27460	16.98	1.24	0.79	1.86	Similar
Loyola University Medical Center	Maywood	178	117480	123.13	1.45	1.25	1.67	Higher
MacNeal Hospital	Berwyn	36	50384	35.11	1.03	0.73	1.40	Similar
Marshall Browning Hospital	Du Quoin	4	2655	1.06	3.79	1.20	9.13	Higher
Mason District Hospital	Havana	0	1102	0.24	.	.	.	Not Available
Massac Memorial Hospital	Metropolis	3	7138	2.71	1.11	0.28	3.01	Similar
McDonough District Hospital	Macomb	1	5223	2.79	0.36	0.02	1.77	Similar
Memorial Hospital	Belleville	57	63800	44.21	1.29	0.99	1.66	Similar
Memorial Hospital	Carthage	1	2412	0.53	.	.	.	Not Available
Memorial Hospital	Chester	1	2254	0.64	.	.	.	Not Available
Memorial Hospital of Carbondale	Carbondale	27	34639	25.31	1.07	0.72	1.53	Similar
Memorial Medical Center	Springfield	99	112119	113.11	0.88	0.72	1.06	Similar
Mercy Harvard Hospital	Harvard	0	1175	0.33	.	.	.	Not Available
Mercy Hospital & Medical Center	Chicago	33	46602	37.91	0.87	0.61	1.21	Similar
Methodist Hospital of Chicago	Chicago	2	21930	5.62	0.36	0.06	1.18	Similar
MetroSouth Medical Center	Blue Island	20	33366	24.16	0.83	0.52	1.26	Similar
Midwest Medical Center	Galena	1	2165	0.48	.	.	.	Not Available
Morris Hospital & Healthcare Centers	Morris	21	16725	11.30	1.86	1.18	2.79	Higher
Morrison Community Hospital	Morrison	0	2892	0.64	.	.	.	Not Available
Mount Sinai Hospital	Chicago	34	63804	39.49	0.86	0.61	1.19	Similar

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Northshore Univ HS Evanston Hospital	Evanston	33	55318	34.65	0.95	0.67	1.32	Similar
Northshore Univ HS Glenbrook Hospital	Glenview	37	43061	29.15	1.27	0.91	1.73	Similar
Northshore Univ HS Highland Park Hospital	Highland Park	18	33998	21.85	0.82	0.50	1.28	Similar
Northshore Univ HS Skokie Hospital	Skokie	24	34072	19.83	1.21	0.79	1.77	Similar
Northwest Community Healthcare Hospital	Arlington Heights	78	72789	52.99	1.47	1.17	1.83	Higher
Northwestern Medicine Central DuPage Hospital	Winfield	51	87778	63.11	0.81	0.61	1.05	Similar
Northwestern Medicine Delnor Hospital	Geneva	37	28634	24.09	1.54	1.10	2.10	Higher
Northwestern Medicine Kishwaukee Hospital	De Kalb	12	21499	11.43	1.05	0.57	1.79	Similar
Northwestern Medicine Lake Forest Hospital	Lake Forest	7	23453	17.61	0.40	0.17	0.79	Lower
Northwestern Medicine Valley West Hospital	Sandwich	0	2033	0.81	.	.	.	Not Available
Northwestern Memorial Hospital	Chicago	184	222582	196.95	0.93	0.81	1.08	Similar
Norwegian-American Hospital	Chicago	13	39037	20.90	0.62	0.35	1.04	Similar
OSF Holy Family Medical Center	Monmouth	1	2087	0.58	.	.	.	Not Available
OSF Saint Anthony Medical Center	Rockford	53	54780	46.73	1.13	0.86	1.47	Similar
OSF Saint Anthony's Health Center	Alton	5	11328	7.89	0.63	0.23	1.41	Similar
OSF Saint Elizabeth Medical Center	Ottawa	12	15348	7.74	1.55	0.84	2.63	Similar
OSF Saint Francis Medical Center	Peoria	203	157414	163.10	1.25	1.08	1.43	Higher
OSF Saint James-John W Albrecht Medical Center	Pontiac	7	6828	3.79	1.85	0.81	3.65	Similar
OSF Saint Luke Medical Center	Kewanee	0	1569	0.62	.	.	.	Not Available
OSF St Joseph Medical Center	Bloomington	20	26357	12.58	1.59	1.00	2.41	Similar

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OSF St Mary Medical Center	Galesburg	8	12822	5.77	1.39	0.64	2.63	Similar
OSF St Paul Medical Center	Mendota	0	2407	0.70	.	.	.	Not Available
Palos Community Hospital	Palos Heights	76	92395	74.14	1.03	0.81	1.28	Similar
Pana Community Hospital	Pana	1	1183	0.26	.	.	.	Not Available
Paris Community Hospital	Paris	0	2482	0.71	.	.	.	Not Available
Passavant Area Hospital	Jacksonville	2	11223	3.47	0.58	0.10	1.90	Similar
Perry Memorial Hospital	Princeton	0	3002	0.99	.	.	.	Not Available
Pinckneyville Community Hospital	Pinckneyville	1	755	0.21	.	.	.	Not Available
Presence Covenant Medical Center	Urbana	14	24318	18.25	0.77	0.44	1.26	Similar
Presence Mercy Medical Center	Aurora	20	30031	17.69	1.13	0.71	1.72	Similar
Presence Resurrection Medical Center	Chicago	61	60059	53.81	1.13	0.88	1.45	Similar
Presence Saint Francis Hospital	Evanston	20	35870	26.18	0.76	0.48	1.16	Similar
Presence Saint Joseph Hospital	Elgin	11	22723	14.29	0.77	0.41	1.34	Similar
Presence Saint Joseph Hospital	Chicago	25	46373	22.69	1.10	0.73	1.60	Similar
Presence Saint Joseph Medical Center	Joliet	78	100026	110.11	0.71	0.56	0.88	Lower
Presence Saints Mary and Elizabeth Medical Center	Chicago	27	78402	47.54	0.57	0.38	0.82	Lower
Presence St Mary's Hospital	Kankakee	19	21379	15.32	1.24	0.77	1.90	Similar
Presence United Samaritans Medical Center	Danville	11	16547	7.68	1.43	0.75	2.49	Similar
Provident Hospital of Cook County	Chicago	0	3092	0.66	.	.	.	Not Available
Red Bud Regional Hospital	Red Bud	2	5971	2.71	0.74	0.12	2.44	Similar



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Richland Memorial Hospital	Olney	2	1061	0.47	.	.	.	Not Available
Riverside Medical Center	Kankakee	25	58719	37.41	0.67	0.44	0.97	Lower
Rochelle Community Hospital	Rochelle	1	1484	0.43	.	.	.	Not Available
Rockford Memorial Hospital	Rockford	36	47009	68.76	0.52	0.37	0.72	Lower
Roseland Community Hospital	Chicago	4	15993	7.84	0.51	0.16	1.23	Similar
Rush Oak Park Hospital	Oak Park	18	17985	15.71	1.15	0.70	1.78	Similar
Rush University Medical Center	Chicago	142	141808	110.24	1.29	1.09	1.51	Higher
Rush-Copley Medical Center	Aurora	17	41926	29.90	0.57	0.34	0.89	Lower
Salem Township Hospital	Salem	0	1690	0.48	.	.	.	Not Available
Sarah Bush Lincoln Health Center	Mattoon	13	28862	18.10	0.72	0.40	1.20	Similar
Sarah D Culbertson Memorial Hospital	Rushville	2	1710	0.38	.	.	.	Not Available
Shriners Hospital For Children	Chicago	0	3245	0.50	.	.	.	Not Available
Silver Cross Hospital	New Lenox	35	69035	49.42	0.71	0.50	0.97	Lower
South Shore Hospital	Chicago	11	19556	8.45	1.30	0.69	2.26	Similar
Sparta Community Hospital	Sparta	0	2128	0.60	.	.	.	Not Available
SSM Health Good Samaritan Hospital	Mount Vernon	7	28691	18.54	0.38	0.17	0.75	Lower
SSM Health St Mary's Hospital	Centralia	8	16402	9.52	0.84	0.39	1.60	Similar
St Anthony Hospital	Chicago	6	15438	7.61	0.79	0.32	1.64	Similar
St Bernard Hospital & Health Care Center	Chicago	19	28828	16.96	1.12	0.70	1.72	Similar
St Joseph Memorial Hospital	Murphysboro	5	3937	1.79	2.80	1.03	6.20	Higher

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St Margaret's Health	Spring Valley	6	6158	5.74	1.05	0.42	2.18	Similar
Swedish Covenant Hospital	Chicago	30	61844	39.77	0.75	0.52	1.06	Similar
SwedishAmerican Hospital	Rockford	46	55906	35.46	1.30	0.96	1.72	Similar
Taylorville Memorial Hospital	Taylorville	4	6223	2.49	1.61	0.51	3.87	Similar
Thomas H Boyd Memorial Hospital	Carrollton	1	1240	0.35	.	.	.	Not Available
Thorek Hospital & Medical Center	Chicago	6	12104	8.46	0.71	0.29	1.48	Similar
Touchette Regional Hospital	Centreville	0	9829	2.87	0.00	.	1.04	Similar
Union County Hospital	Anna	0	3379	0.75	.	.	.	Not Available
UnityPoint Health - Methodist	Peoria	26	42351	41.68	0.62	0.42	0.90	Lower
UnityPoint Health - Pekin	Pekin	3	13748	6.25	0.48	0.12	1.31	Similar
UnityPoint Health - Proctor	Peoria	5	13012	6.63	0.75	0.28	1.67	Similar
UnityPoint Health - Trinity Moline	Moline	0	4583	1.81	0.00	.	1.65	Similar
UnityPoint Health - Trinity Rock Island	Rock Island	45	58156	43.97	1.02	0.76	1.36	Similar
University of Chicago Medicine	Chicago	189	171434	187.60	1.01	0.87	1.16	Similar
University of Illinois Hospital & Health Sciences System	Chicago	109	112315	104.77	1.04	0.86	1.25	Similar
Vista Medical Center East	Waukegan	18	40547	25.88	0.70	0.43	1.08	Similar
Wabash General Hospital	Mount Carmel	0	2559	1.02	0.00	.	2.94	Similar
Warner Hospital and Health Services	Clinton	1	417	0.09	.	.	.	Not Available
Washington County Hospital	Nashville	0	251	0.06	.	.	.	Not Available
Weiss Memorial Hospital	Chicago	44	28261	23.48	1.87	1.38	2.49	Higher

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						Lower Bound <sup>e</sup>	Upper Bound	
West Suburban Medical Center	Oak Park	23	26956	20.80	1.11	0.72	1.63	Similar
Westlake Hospital	Melrose Park	10	14055	6.48	1.54	0.78	2.75	Similar

NHSN Data contained in this report were last generated on June 1, 2017.

<sup>a</sup> The SIR is a summary measure used to compare the actual number of MDRO events reported at a facility to a predicted number based on the NHSN referent population.

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

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

<sup>c</sup> If the predicted number of infections is less than 1, the SIR is not calculated because it does not meet the minimum requirement for precision.

<sup>d</sup> If the 95% confidence interval (CI) includes 1, then the SIR is not statistically significant. See cover page for more details.

If the number of observed infections is 0 and the number predicted is greater than or equal to 1, a 95% CI is reported.

<sup>e</sup> The lower bound of the CI is calculated only if the observed infection count is greater than 0.

NOTE: All conclusions are based on the assumption that the hospital's patient population is similar to the referent population (NHSN 2015 national aggregate data).