

OKLAHOMA HOSPITAL ANNUAL REPORT 2012

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Oklahoma State Department of Health
Creating a State of Health

February 20, 2014

To Health care Partners and the Citizens of Oklahoma,

Opportunities to improve the quality of health care are well documented. While health care organizations strive to provide high quality care and predictable positive outcomes for patients, variations in quality continue to exist. Improving patient safety is a critical part of ongoing efforts to provide high quality care in Oklahoma.

Providers, consumers, and policy makers seeking to improve the quality of health care need accessible and reliable indicators of quality that they can use to identify opportunities for improvement. In addition, the use of nationally standardized performance measures allows the health care community to follow trends in quality over time, and to identify variations in quality across the state, communities, and providers.

The following report fulfills part of the requirements set forth by the Oklahoma Legislature to publish an annual report of hospital-specific quality indicators. This report details performance on a variety of quality metrics including hospital-specific infection rates and patient safety indicators. Links to nationally standardized quality metrics for hospitals are included in the report.

By providing this information to the citizens of Oklahoma it is our hope that it will assist patients to make informed decisions about choosing their health care provider, and help health care providers to identify the ongoing opportunities to improve patient safety and quality of care.

Sincerely,

Dale W. Bratzler, DO, MPH, Chair
Hospital Advisory Council

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Introduction

The Oklahoma Hospital Annual Report 2012 is a publication required by 63 O.S., Section 1-707. In an effort to reduce the lapse of time between releases of the data, this report contains two years of the required reportable data. It is intended to increase the availability of quality data related to hospital services and to improve patient care in Oklahoma. The annual report includes an outline of services provided by the Medical Facilities Service of the Oklahoma State Department of Health (OSDH).

This report contains data from the National Health care Safety Network (NHSN) database system that is managed by the Division of Health care Quality Promotion (DHQP) at the Centers for Disease Control and Prevention (CDC). NHSN is a secure, internet-based surveillance system that integrates patient and health care personnel safety surveillance systems data. Hospital infection preventionists in Oklahoma began collecting and reporting data for events related to central-line associated bloodstream infections (CLABSI) and ventilator-associated pneumonias (VAP) in June 2008.

Previous reports included hospital-specific performance measures known as Patient Safety Indicators which were outlined by the Agency for Healthcare Research and Quality (AHRQ). This data is now accessible on the Oklahoma State Department of Health website OK2SHARE: <http://www.ok.gov/health/pub/wrapper/ok2share.html>.

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Services Offered

Licensure

Hospitals in Oklahoma are required by state statute to be licensed, except those operated by the federal government, state mental hospitals, and community-based structured crisis centers.

Licensing Authority - The Medical Facilities Service, within Protective Health Services of the OSDH, is charged with the responsibility of assessing compliance with statute and administrative rule for hospital licensure.

Rules - Chapter 667 Hospital Standards, Title 310, of the Oklahoma Administrative Code (OAC) outlines construction standards and rules for operation in order for an entity to be licensed as a hospital in Oklahoma.

Fees - The licensure fee is set by statute and is based on the total number of beds licensed by the facility multiplied by ten dollars.

Renewals - A license is valid for one year. Hospitals must apply annually for renewal.



Facility Descriptions

Hospital - Any institution, place, building or agency, public or private, whether organized for profit or not, devoted primarily to the maintenance and operation of facilities for the diagnosis, treatment or care of patients admitted for overnight stay or longer in order to obtain medical care, surgical care, obstetrical care, or nursing care for illness, disease, injury, infirmity, or deformity {63 O.S. § 1-701}. In addition, Oklahoma Statutes provide that the term "hospital" includes *general medical surgical hospitals, specialized hospitals, critical access and emergency hospitals, as well as birthing centers.*

General Medical Surgical Hospital - A hospital maintained for the purpose of providing medical and surgical care in a broad category of illness and injury.

Specialized Hospital - A hospital maintained for the purpose of providing care in a certain category, or categories, of illness and injury. The OSDH currently recognizes *psychiatric, rehabilitation, and abortion* facilities as specialized hospitals.

Critical Access Hospital - A hospital that OSDH determines to be a necessary provider of health care services to residents of a rural community.

Emergency Hospital - A hospital that provides emergency treatment and stabilization services on a 24-hour basis and has the ability to admit and treat patients for a short period of time.

Birth Center - Any hospital, place, or institution which is maintained or established primarily for the purpose of providing the services of a certified nurse, midwife, or licensed medical doctor to assist or attend in the delivery or birth and where a woman is scheduled in advance to give birth following a normal, uncomplicated, low-risk pregnancy. Licensure of birthing centers is voluntary.

Medicare Certification

OSDH contracts with the Centers for Medicare and Medicaid Services (CMS) to conduct administrative and inspection activities related to certification of hospitals for participation in the federal Medicare program. Although participation in the Medicare program is voluntary, facilities opting to apply must meet the requirements outlined in the *Code of Federal Regulations (CFR); Conditions of Participation for Hospitals* (42 CFR part 482), and for Critical Access Hospitals, *CFR Part 485; subpart F - Conditions of Participation for Critical Access Hospitals (CAHs)*; and must comply with the *Emergency Medical Treatment and Labor Act* found in the Social Security Act, Sections 1866 and 1867, and associated regulations at CFR 42 part 489.24.

OSDH makes recommendations regarding Medicare certification issues; however, the CMS Region VI Office in Dallas, Texas has authority to make all final certification decisions.

Accreditation

Several national organizations offer programs for accrediting hospitals, or parts of a hospital's operation. Federal law and regulations of Section 1865(a)(1) of the Social Security Act (the Act) permits providers and suppliers "accredited" by an approved national accreditation organization (AO) to be exempt from routine surveys by State survey agencies to determine compliance with Medicare conditions. Accreditation by an AO is voluntary and is not required for Medicare certification or participation in the Medicare Program. Some private accrediting bodies have been granted "deemed status" by federal authorities. Hospitals accredited by one or more of these accrediting bodies are "deemed" to meet the applicable federal standards without undergoing an on-site inspection by agents of CMS. There is no similar provision in Oklahoma law to grant "deemed status" to third party accrediting organizations for the purpose of state licensure. Hospitals are not exempted from licensure oversight if they are deemed.

Complaint Investigations

OSDH conducts a complaint investigation when allegations have been made that a licensed hospital is non-compliant with *Chapter 667 Hospital Standards*. In addition, the OSDH can investigate complaints against non-accredited hospitals regarding

compliance with the *Medicare Conditions of Participation*; however, such investigations in accredited hospitals must be authorized by CMS. Prior authorization from CMS is also required before the OSDH can conduct an investigation of compliance with the Emergency Medical Treatment and Active Labor Act (EMTALA) requirements.

Construction Reviews

Licensed hospitals wishing to alter existing buildings or build a new facility must submit design plans and related documents to the OSDH for review and approval prior to construction. A review fee, based on the project's estimated cost for design and construction, is assessed. Final inspection and approval of the facility must be granted by the OSDH prior to occupancy.

Hospital Classifications

Oklahoma Statutes require the OSDH to "develop a classification system for all hospitals that treat emergency patients. The classification system shall identify stabilizing and definitive emergency services provided by each hospital" {63 O.S. § 1-2511}.

The classification system was promulgated in rule as *Subchapter 59 of Chapter 667 Hospital Standards* and became effective on July 13, 2000. By May 2001, each hospital in the state that offered emergency services had received an on-site visit by OSDH representatives to verify the level of service provided in each clinical category. The system is designed to classify the level of emergency services each hospital in Oklahoma provides in ten clinical categories. Within each category, the rules identify the practitioners, hospital personnel, equipment, and support services necessary for each level of care. It should be emphasized that the classification system is not designed to be a hospital "report card." Rather, it is intended to help direct emergency response providers and patients to the most appropriate facility based on the type and severity of their injury or illness. The ten clinical categories and levels of service are as follows:

- Trauma & Emergency Operative Services: Levels I - IV*
- Obstetrics/Gynecology: Levels I-IV
- Ophthalmology: Levels I-III
- Neurology: Levels I-III
- Psychiatric: Levels I-III
- Pediatric Medicine and Trauma: Levels I-IV
- Cardiology: Levels I - III
- Dental: Levels I-III
- General Medicine: Levels I-IV
- Stroke: Primary - Secondary

**Level of service: I (highest), II, III, IV (lowest).*

The most comprehensive services are offered by hospitals classified in a specific clinical category. These facilities are equipped and staffed to provide definitive treatment for severe emergency conditions in the classified clinical category. The hospital emergency classification system was developed with the assistance of the Oklahoma State Trauma Advisory Council, Oklahoma Emergency Response Systems Development Advisory Council, and numerous industry and professional associations.



Emergency Stroke Classification

In an effort to facilitate proper treatment of strokes, hospitals submitted an attestation to be classified as "Primary Stroke Centers" and "Secondary Stroke Facilities." A Primary Stroke Center is a hospital that is willing and able to administer a U.S. Food and Drug Administration approved intravenous thrombolytic agent to appropriate patients within one hour of arriving at the emergency department and within three hours of the onset of ischemic stroke symptoms.

A Primary Stroke Center shall provide emergency medical services with an organized emergency department. A physician shall be on call and immediately available to respond to the emergency department, and nursing staff with special capability in emergent stroke care shall be on site twenty-four hours a day. A Secondary Stroke Facility shall provide services with at least a licensed independent practitioner, registered nurse, licensed practical nurse, or intermediate or paramedic level emergency medical technician on site twenty-four hours a day. Complete hospital standards of the rules can be found in Oklahoma Administrative Code (OAC) 310:667-59-20.¹

¹http://www.ok.gov/health2/documents/MFS%20OAC310-667_hospitaleff.07.12.pdf

Statistics at a Glance for Fiscal Year 2012

153 Licensed Hospitals currently in operation:

101	General Medical Surgical Hospitals
34	Critical Access Hospitals
11	Specialized Hospitals, Psychiatric
4	Specialized Hospitals, Rehabilitation
3	Specialized Hospitals, Abortion Facility

142 Medicare Certification Surveys performed:

33	Re-certification Surveys
21	Follow-up Surveys
53	Complaint Investigations
2	Validation Surveys
0	Initial Surveys
33	Life Safety Surveys

1 Licensure Surveys performed:

0	Re-licensure Surveys
0	Follow-up Surveys
0	Complaint Investigations
1	Initial Surveys

\$186,515.00 Fees collected

(Note: The total dollar amount of fee collections shown above includes the fees for the Ambulatory Surgical Centers, Birthing Centers, and Workplace Drug and Alcohol Testing Facilities program areas.)

Hospital Advisory Council

The Hospital Advisory Council is authorized by Oklahoma Statute {63 O.S. § 1-707} to serve as an advisory body to the Board of Health, Commissioner of Health and OSDH. The Advisory Council is composed of nine members appointed by the Commissioner with the advice and consent of the Board of Health for a three-year term. The membership consists of: two members that are hospital administrators of licensed hospitals; two members that are licensed physicians or practitioners who have current privileges to provide services in hospitals; two members that are hospital employees; and three members that are citizens representing the public who are not hospital employees, do not hold hospital staff appointments, and are not members of hospital governing boards. The Council must meet at least quarterly, and may hold special meetings as necessary.

2012 Advisory Board Members:

Gary W. Mitchell, D.,Ph. FACHE, Chair
Dale Bratzler, D.O.
Betty Selby
John Mobley
Jeffrey Berrong
4 Vacancies

The Advisory Council has the duty and authority to: 1) Review and approve in its advisory capacity rules and standards for hospital licensure; 2) Evaluate, review and make recommendations regarding OSDH licensure activities, provided, however, the Advisory Council shall not make recommendations regarding scope of practice for any health care providers or practitioners regulated pursuant to Title 59 of the Oklahoma Statutes, and 3) Recommend and approve quality indicators and data submission requirements for hospitals.

The Council has recommended the OSDH designate the National Health care Safety Network which is maintained by the Centers for Disease Control and Prevention, as the data collection and analysis tool licensed hospitals shall use for public reporting purposes.



National Healthcare Safety Network (NHSN)

In 2012 Oklahoma had 153 licensed hospitals; however, only those hospitals identified as having at least one adult intensive care unit were required to report central line-associated bloodstream infections (CLABSIs) and ventilator-associated pneumonia (VAP) to the OSDH. Hospitals with adult intensive care units have been required to collect and report data monthly since July 2008. These hospitals were required to complete an orientation on how to utilize and enter data into the National Health care Safety Network (NHSN) data system, which is owned and operated by the Centers for Disease Control and Prevention (CDC). The Infection Preventionist for the hospital is responsible for the data collection and surveillance.

CDC's NHSN database is the nation's most widely used health care-associated infection tracking system. NHSN provides facilities, states, regions, and the nation with data needed to identify problem areas, measure progress of prevention efforts, and ultimately eliminate health care-associated infections.

Central Line-associated Bloodstream Infection (CLABSI)

What is a central line?

A central line (also known as a central venous catheter) is a catheter (tube) that doctors often place in a large vein using a needle, in the neck, chest, or groin, to give medication or fluids or to collect blood for medical tests. The public may be familiar with intravenous catheters (also known as IVs) that are used frequently to give medicine or fluids into a vein near the skin's surface (usually on the arm or hand), for short periods of time. Central lines are different from IVs because central lines access a major vein that is close to the heart and can remain in place for weeks or months and be much more likely to cause serious infection. Central lines are commonly used in intensive care units.

What is a central line-associated bloodstream infection?

A central line-associated bloodstream infection (CLABSI) is a serious infection that occurs when germs (usually bacteria or viruses) enter the bloodstream through the central line. Health care providers must follow a strict protocol when inserting the line to be sure the line remains sterile and a CLABSI does not occur. In addition to inserting the central line properly, health care providers must use stringent infection control practices each time they check the line or change the dressing. Patients who get a CLABSI have a fever and might also have red skin and soreness around the central line. If these symptoms occur health care providers can do tests to learn if there is an infection present.

What are some of the things that health care providers are doing to prevent CLABSI?

Health care providers can take the following steps to help prevent CLABSIs:

- 1) Follow recommended central line insertion practices to prevent infection when the central line is placed, including:
 - Perform hand hygiene
 - Apply appropriate skin antiseptic
 - Ensure that the skin prep agent has completely dried before inserting the central line
 - Use all five maximal sterile barrier precautions:
 - Sterile gloves
 - Sterile gown
 - Cap
 - Mask
 - Large sterile drape
- 2) Once the central line is in place:
 - Follow recommended central line maintenance practices
 - Wash hands with soap and water or an alcohol-based hand rub before and after touching the line
- 3) Remove a central line as soon as it is no longer needed. The sooner a catheter is removed, the less likely the chance of infection.

What can patients do to help prevent CLABSI?

Here are some ways patients can protect themselves from CLABSI:

- 1) Research the hospital, if possible, to learn about its CLABSI Rate.
- 2) Speak up about any concerns so that health care personnel are reminded to follow the best infection prevention practices.
- 3) Ask a health care provider if the central line is absolutely necessary. If so, ask them to help you understand the need for it and how long it will be in place.
- 4) Pay attention to the bandage and the area around it. If the bandage comes off or if the bandage or area around it is wet or dirty, tell a health care worker right away.
- 5) Don't get the central line or the central line insertion site wet.
- 6) Tell a health care worker if the area around the catheter is sore or red or if the patient has a fever or chills.
- 7) Do not let any visitors touch the catheter or tubing.
- 8) The patient should avoid touching the tubing as much as possible.

In addition, everyone visiting the patient must wash their hands—before and after they visit.

Ventilator-associated Pneumonia (VAP)

What is a Ventilator-associated Pneumonia (VAP)?

Ventilator-associated pneumonia (VAP) is a lung infection that develops in a person who is on a ventilator. A ventilator is a machine that is used to help a patient breathe by

giving oxygen through a tube placed in a patient's mouth or nose, or through a hole in the front of the neck. An infection may occur if germs enter through the tube and get into the patient's lungs.

Why do patients need a ventilator?

A patient may need a ventilator when he or she is very ill or during and after surgery. Ventilators can be life-saving, but they can also increase a patient's chance of getting pneumonia by making it easier for germs to get into the patient's lungs.

What are some of the things that hospitals are doing to prevent VAP?

To prevent ventilator-associated pneumonia, doctors, nurses, and other health care providers can do the following things:

- 1) Keep the head of the patient's bed raised between 30 and 45 degrees unless other medical conditions do not allow this to occur.
- 2) Check the patient's ability to breathe on his or her own every day so that the patient can be taken off of the ventilator as soon as possible.
- 3) Clean hands with soap and water or an alcohol-based hand rub before and after touching the patient or the ventilator.
- 4) Clean the inside of the patient's mouth on a regular basis.
- 5) Clean or replace equipment between uses on different patients.

What can patients do to help prevent VAP?

Patients and family members can do the following things to help prevent VAP:

- 1) Quit smoking. Patients who smoke get more infections. Seek information about how to quit before surgery.
- 2) If health care providers do not clean their hands, ask them to do so.

Patients and Family Members

- 1) Ask about raising the head of the bed.
- 2) Ask when the patient will be allowed to try breathing on his or her own.
- 3) If health care providers do not clean their hands, ask them to do so.
- 4) Ask about how often health care providers clean the patient's mouth.
- 5) CDC is provides educational material for the public in the Vital Signs publication: <http://www.cdc.gov/VitalSigns/pdf/2011-03-vitalsigns.pdf>.

Summary of Data Tables

Explanation of data tables

The tables in this document depict the CLABSI and VAP reports of hospitals that have intensive care units and reported to NHSN for the time period from January 1, 2011 through December 31, 2012. The name of the hospital is listed followed by a brief description of where the hospital is located, number of licensed beds and the number of intensive care beds. The data reports are exported from the CDC website. Each line of the data tables depicts a six month reporting time frame.

Data table definitions:

Summary Year Half: This column describes the six month reporting time frames; 2011H1 includes January through June 2011, 2011H2 includes July through December 2011, 2012H1 includes January through June 2012 and 2012H2 includes July through December 2012.

CLABSI or VAP Infection Count: Actual number of patients with infections during a six month time period in an intensive care unit in a particular hospital.

Number of Central Line or Ventilator Days (Device Days): At the same time every day, the numbers of patients who have a central line or are on a ventilator were recorded. These numbers were summed for the six month time period.

CLABSI or VAP Rate: This is a mathematical calculation which takes the total of central line associated blood stream infections or ventilator-associated pneumonia infection count and divided by the number of device days multiplied by 1000.

Number of Patient Days: At the same time each day, the total number of patients on the selected unit was recorded. These numbers were summed for the six month time period.

Hospitals with Adult Intensive Care Units

Bailey Medical Center - This hospital is located in Owasso. Data were collected from an inpatient acute critical care medical surgical unit consisting of five setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 73.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	12	0.000	106
2011H2	0	0	0.000	62
2012H1	0	9	0.000	84
2012H2	0	4	0.000	39

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of Patient Days
2011H1	0	20	0.000	106
2011H2	0	2	0.000	62
2012H1	0	7	0.000	84
2012H2	0	8	0.000	39



Comanche County Memorial Hospital - This hospital is located in Lawton. Data were collected from an inpatient acute critical care medical surgical unit consisting of 20 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 283.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	361	0.000	1141
2011H2	0	297	0.000	1084
2012H1	0	299	0.000	1166
2012H2	0	263	0.000	880

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of Patient Days
2011H1	0	249	0.000	1141
2011H2	0	212	0.000	1084
2012H1	0	232	0.000	1166
2012H2	0	260	0.000	880



Community Hospital - This hospital is located in Oklahoma City. Data were collected from an inpatient acute critical care medical surgical unit consisting of three setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 49.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	10	0.000	44
2011H2	0	37	0.000	121
2012H1	0	33	0.000	109
2012H2	0	16	0.000	79

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of Patient Days
2011H1	0	8	0.000	44
2011H2	0	32	0.000	121
2012H1	0	24	0.000	109
2012H2	0	7	0.000	79



Deaconess Hospital - This hospital is located in Oklahoma City. Data were collected from an inpatient acute critical care medical unit consisting of 29 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 291.

Summary Year Half	Central Line Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	4	1748	2.288	2363
2011H2	0	926	0.000	1561
2012H1	0	1377	0.000	2027
2012H2	0	1159	0.000	1739

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of Patient Days
2011H1	1	1291	0.775	2363
2011H2	0	630	0.000	1561
2012H1	1	906	1.104	2027
2012H2	0	761	0.000	1739



Duncan Regional Hospital - This hospital is located in Duncan. Data were collected from an inpatient acute critical care medical surgical unit consisting of nine setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 167.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	318	0.000	922
2011H2	0	395	0.000	937
2012H1	0	317	0.000	877
2012H2	0	334	0.000	898

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of Patient Days
2011H1	0	145	0.000	922
2011H2	0	132	0.000	937
2012H1	0	164	0.000	877
2012H2	0	119	0.000	898

Eastern Oklahoma Medical Center - This hospital is located in Poteau. Data were collected from an inpatient acute critical care medical surgical unit consisting of eight setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 84.

No data were available for this time period.

Eastar Health System - This hospital is located in Muskogee. Data were collected from an inpatient acute critical care medical surgical unit consisting of 24 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 275.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	380	0.000	5009
2011H2	0	462	0.000	3285
2012H1	0	279	0.000	3157
2012H2	0	369	0.000	2961

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	2	2191	0.913	5009
2011H2	0	1345	0.000	3285
2012H1	0	1342	0.000	3157
2012H2	1	1300	0.769	2961

Grady Memorial Hospital - This hospital is located in Chickasha. Data were collected from an inpatient acute critical care medical surgical unit consisting of seven setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 99.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	111	0.000	485
2011H2	0	144	0.000	493
2012H1	0	112	0.000	513
2012H2	0	143	0.000	625

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of ventilator days	VAP Rate	Number of Patient Days
2011H1	1	31	32.258	485
2011H2	0	25	0.000	493
2012H1	0	21	0.000	513
2012H2	0	51	0.000	625

Great Plains Regional Medical Center - This hospital is located in Elk City. Data were collected from an inpatient acute critical care medical unit consisting of six setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 62.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	91	0.000	646
2011H2	0	59	0.000	605
2012H1	0	53	0.000	677
2012H2	0	105	0.000	704

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of ventilator days	VAP Rate	Number of Patient Days
2011H1	0	73	0.000	646
2011H2	0	42	0.000	605
2012H1	0	68	0.000	677
2012H2	0	101	0.000	704

Hillcrest Hospital Claremore - This hospital is located in Claremore. Data were collected from an inpatient acute critical care medical unit consisting of six setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 81.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	55	0.000	690
2011H2	0	43	0.000	517
2012H1	0	36	0.000	737
2012H2	0	32	0.000	733

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of Patient Days
2011H1	0	53	0.000	690
2011H2	0	53	0.000	517
2012H1	0	63	0.000	737
2012H2	0	86	0.000	733

Hillcrest Hospital Cushing - This hospital is located in Cushing. Data were collected from an inpatient acute critical care medical surgical unit consisting of four setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 95.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	22	0.000	217
2011H2	0	20	0.000	161
2012H1	0	7	0.000	108
2012H2	0	4	0.000	56

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of Patient Days
2011H1	0	28	0.000	217
2011H2	0	15	0.000	161
2012H1	0	4	0.000	108
2012H2	0	1	0.000	56



Hillcrest Medical Center - This hospital is located in Tulsa. Data were collected from three inpatient acute critical care units, two of which were medical surgical units, and one cardiac vascular care unit. All three ICUs total 31 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 691.

Summary Year Half	Central Line Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	1368	0.000	1858
2011H2	1	1187	0.842	1768
2012H1	1	1144	0.874	1705
2012H2	0	1440	0.000	2128
2011H1	0	1490	0.000	2139
2011H2	0	1328	0.000	1986
2012H1	1	1402	0.713	2089
2012H2	1	1318	0.759	2168
2011H1	0	695	0.000	1040
2011H2	0	660	0.000	1012
2012H1	0	603	0.000	953
2012H2	0	425	0.000	643

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of Patient Days
2011H1	0	720	0.000	1858
2011H2	0	553	0.000	1768
2012H1	0	495	0.000	1705
2012H2	0	708	0.000	2128
2011H1	0	806	0.000	2139
2011H2	0	688	0.000	1986
2012H1	0	661	0.000	2089
2012H2	0	614	0.000	2168
2011H1	0	373	0.000	1040
2011H2	0	322	0.000	1012
2012H1	0	283	0.000	953
2012H2	0	179	0.000	643



Integrus Baptist Medical Center - This hospital is located in Oklahoma City. Data were collected from five inpatient acute critical care medical surgical units, consisting of 60 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 640.

Summary Year Half	Central Line Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	1	1581	0.633	1891
2011H2	0	1481	0.000	1820
2012H1	0	1414	0.000	1712
2012H2	0	1213	0.000	1569
2011H1	2	1237	1.617	1854
2011H2	0	1103	0.000	1858
2012H1	1	1096	0.912	1633
2012H2	1	929	1.076	1660
2011H1	1	1676	0.597	1786
2011H2	0	1185	0.000	1667
2012H1	1	1059	0.944	1500
2012H2	0	656	0.000	1455
2011H1	1	1453	0.688	1602
2011H2	1	1397	0.716	1537
2012H1	2	1318	1.517	1503
2012H2	0	1276	0.000	1396

Summary Year Half	Central Line Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	2	1338	1.495	1717
2011H2	2	1319	1.516	1620
2012H1	1	1147	0.872	1492
2012H2	2	1132	1.767	1526

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	897	0.000	1891
2011H2	0	841	0.000	1820
2012H1	0	643	0.000	1712
2012H2	0	647	0.000	1569
2011H1	0	823	0.000	1854
2011H2	0	881	0.000	1858
2012H1	0	742	0.000	1633
2012H2	0	589	0.000	1660
2011H1	0	1038	0.000	1786
2011H2	1	843	1.186	1667
2012H1	0	606	0.000	1500
2012H2	0	609	0.000	1455
2011H1	0	952	0.000	1602
2011H2	0	838	0.000	1537
2012H1	1	799	1.252	1503
2012H2	0	668	0.000	1396
2011H1	1	906	1.104	1717
2011H2	0	847	0.000	1620
2012H1	0	653	0.000	1492
2012H2	1	618	1.618	1526



Integris Baptist Regional Hospital - This hospital is located in Miami. Data were collected from an inpatient acute critical care medical surgical unit consisting of five setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 117.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	61	0.000	554
2011H2	0	92	0.000	443
2012H1	0	79	0.000	464
2012H2	0	36	0.000	425

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	42	0.000	554
2011H2	0	26	0.000	443
2012H1	0	45	0.000	464
2012H2	0	31	0.000	425

Integris Bass Baptist Health Center - This hospital is located in Enid. Data were collected from an inpatient acute critical care medical surgical unit consisting of seven setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 183.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	559	0.000	668
2011H2	0	602	0.000	915
2012H1	0	675	0.000	821
2012H2	0	511	0.000	740

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	326	0.000	668
2011H2	1	547	1.828	915
2012H1	2	540	3.704	821
2012H2	0	368	0.000	740

Integris Canadian Valley Hospital - This hospital is located in Yukon. Data were collected from an inpatient acute critical care medical surgical unit consisting of four setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 48.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	1	290	3.448	1057
2011H2	0	280	0.000	930
2012H1	0	244	0.000	976
2012H2	0	188	0.000	890

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	77	0.000	1057
2011H2	0	50	0.000	930
2012H1	0	42	0.000	976
2012H2	0	27	0.000	890

Integris Clinton Regional Hospital - This hospital is located in Clinton. Data were collected from an inpatient acute critical care medical surgical unit consisting of four setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 56.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number o Patient Days
2011H1	0	10	0.000	113
2011H2	0	23	0.000	254
2012H1	0	51	0.000	247
2012H2	0	20	0.000	159

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	9	0.000	113
2011H2	0	7	0.000	254
2012H1	0	11	0.000	247
2012H2	0	4	0.000	159

Integris Grove General Hospital - This hospital is located in Grove. Data were collected from an inpatient acute critical care medical surgical unit consisting of four setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 68.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	59	0.000	437
2011H2	0	81	0.000	488
2012H1	0	71	0.000	381
2012H2	0	68	0.000	321

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	61	0.000	437
2011H2	0	53	0.000	488
2012H1	0	69	0.000	381
2012H2	0	43	0.000	321

Integris Health Edmond - This hospital is located in Edmond. Data were collected from an inpatient acute care medical surgical unit consisting of 6 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 40. The hospital opened in the fall of 2011.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H2	0	3	0.000	20
2012H1	0	100	0.000	153
2012H2	0	94	0.000	275

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H2	0	1	0.000	20
2012H1	0	29	0.000	153
2012H2	0	44	0.000	275

Integris Southwest Medical Center - This hospital is located in Oklahoma City. Data were collected from an inpatient acute critical care medical surgical unit consisting of 20 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 406.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of patient days
2011H1	0	2310	0.000	3080
2011H2	1	2144	0.466	2823
2012H1	0	2499	0.000	3159
2012H2	1	2109	0.474	2994

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	1	1823	0.549	3080
2011H2	2	1661	1.204	2823
2012H1	5	1733	2.885	3159
2012H2	0	1464	0.000	2994

Jackson County Memorial Hospital - This hospital is located in Altus. Data were collected from an inpatient acute critical care medical surgical unit consisting of 12 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 99.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	248	0.000	594
2011H2	0	163	0.000	538
2012H1	0	232	0.000	579
2012H2	0	169	0.000	486

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	91	0.000	594
2011H2	0	76	0.000	538
2012H1	0	120	0.000	579
2012H2	0	82	0.000	486

Jane Phillips Medical Center - This hospital is located in Bartlesville. Data were collected from an inpatient acute critical care medical surgical unit consisting of eight setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 137.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	484	0.000	918
2011H2	0	321	0.000	713
2012H1	0	458	0.000	920
2012H2	0	328	0.000	759

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	1	233	4.292	918
2011H2	0	176	0.000	713
2012H1	0	296	0.000	920
2012H2	0	150	0.000	759



McAlester Regional Health Center - This hospital is located in McAlester. Data were collected from an inpatient acute critical care medical surgical unit consisting of 14 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 171.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	599	0.000	3144
2011H2	0	254	0.000	867
2012H1	0	402	0.000	973
2012H2	0	477	0.000	1359

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	91	0.000	3144
2011H2	0	104	0.000	867
2012H1	0	155	0.000	973
2012H2	0	146	0.000	1359



McCurtain Memorial Hospital - This hospital is located in Idabel. Data were collected from an inpatient acute critical care medical surgical unit consisting of six setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 106.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	7	0.000	327
2011H2	0	14	0.000	313
2012H1	0	34	0.000	334
2012H2	0	24	0.000	263

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	13	0.000	327
2011H2	0	19	0.000	313
2012H1	0	16	0.000	334
2012H2	0	14	0.000	263

Medical Center of Southeastern Oklahoma - This hospital is located in Durant. Data were collected from an inpatient acute critical care medical surgical unit consisting of eight setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 148.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	361	0.000	1141
2011H2	0	297	0.000	1084
2012H1	0	299	0.000	1166
2012H2	0	263	0.000	880

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	249	0.000	1141
2011H2	0	212	0.000	1084
2012H1	0	232	0.000	1166
2012H2	0	260	0.000	880

Memorial Hospital of Texas County - This hospital is located in Guymon. Data were collected from an inpatient acute critical care medical surgical unit consisting of four setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 47.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	0	0.000	0
2011H2	0	0	0.000	1
2012H1	0	2	0.000	6
2012H2	0	3	0.000	5

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	0	0.000	0
2011H2	0	1	0.000	1
2012H1	0	0	0.000	6
2012H2	0	4	0.000	5



Mercy Health Center - This hospital is located in Oklahoma City. Data were collected from an inpatient acute critical care medical surgical unit consisting of 36 adult setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 393.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	3	4581	0.655	5375
2011H2	0	3004	0.000	4172
2012H1	1	2722	0.367	3930
2012H2	2	2375	0.842	3765

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	1787	0.000	5375
2011H2	0	1501	0.000	4172
2012H1	0	1799	0.000	3930
2012H2	0	1594	0.000	3765



Mercy Memorial Health Center - This hospital is located in Ardmore. Data were collected from an inpatient acute critical care medical surgical unit consisting of 13 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 190.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	723	0.000	1438
2011H2	0	641	0.000	1446
2012H1	0	433	0.000	1435
2012H2	2	386	5.181	1310

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	1	565	1.770	1438
2011H2	1	504	1.984	1446
2012H1	0	529	0.000	1435
2012H2	1	417	2.398	1310



Midwest Regional Medical Center - This hospital is located in Midwest City. Data were collected from an inpatient acute critical care medical surgical unit consisting of 24 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 255.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	666	0.000	1746
2011H2	4	884	4.525	1810
2012H1	2	908	2.203	2004
2012H2	1	1046	0.956	1845

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	338	0.000	1755
2011H2	0	375	0.000	1778
2012H1	3	521	5.758	1971
2012H2	0	264	0.000	1789



Newman Memorial Hospital - This hospital is located in Shattuck. Data were collected from an inpatient acute critical care medical surgical unit consisting of two setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 79.

No data were available for this time period.



Norman Regional Hospital - This hospital is located in Norman. Data were collected from an inpatient acute critical care medical surgical unit consisting of 43 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 518.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	2	2241	0.892	2723
2011H2	1	1670	0.599	2231
2012H1	2	1839	1.088	2409
2012H2	1	1788	0.559	2428

Summary Year Half	Ventilator Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	2	1278	1.565	2723
2011H2	2	760	2.632	2231
2012H1	2	979	2.043	2409
2012H2	0	1047	0.000	2428



Oklahoma Heart Hospital - This hospital is located in Oklahoma City. Data were collected from an inpatient acute critical care medical surgical unit consisting of 16 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 99.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	2340	0.000	2690
2011H2	0	2413	0.000	2705
2012H1	0	2269	0.000	2630
2012H2	0	2340	0.000	2671

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	1	1214	0.824	2690
2011H2	4	1291	3.098	2705
2012H1	2	1474	1.357	2630
2012H2	3	1471	2.039	2671



Oklahoma Heart Hospital South - This hospital is located in Oklahoma City. Data were collected from an inpatient acute critical care medical surgical unit consisting of 12 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 46.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	895	0.000	2182
2011H2	1	1125	0.889	2121
2012H1	0	597	0.000	2349
2012H2	0	757	0.000	1647

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	540	0.000	2182
2011H2	2	479	4.175	2121
2012H1	3	676	4.438	2349
2012H2	2	597	3.350	1647



Oklahoma State University Medical Center - This hospital is located in Tulsa. Data were collected from an inpatient acute critical care medical surgical unit consisting of 54 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 249.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	2541	0.000	3034
2011H2	2	1879	1.064	2496
2012H1	2	2212	0.904	2962
2012H2	1	2049	0.488	2900

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	3	1271	2.360	3034
2011H2	3	975	3.077	2496
2012H1	4	1025	3.902	2962
2012H2	2	707	2.829	2900



OU Medical Center - This hospital is located in Oklahoma City, with an additional unit in Edmond. Data were collected from two inpatient acute critical care units, two of which were medical surgical units, and one trauma critical care unit, with a total of 182 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 689.

Summary Year Half	Central Line Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	3	1073	2.796	1594
2011H2	0	1064	0.000	1717
2012H1	2	1107	1.807	1805
2012H2	0	1304	0.000	1763
2011H1	0	1399	0.000	2792
2011H2	0	1770	0.000	2858
2012H1	0	1813	0.000	2882
2012H2	0	1683	0.000	2878
2011H1	5	2097	2.384	3198
2011H2	4	1968	2.033	3162
2012H1	3	2194	1.367	3307
2012H2	2	2056	0.973	3248
2011H1	0	544	0.000	1373

Summary Year Half	Central Line Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H2	0	569	0.000	1142
2012H1	0	719	0.000	1236
2012H2	0	635	0.000	1259
2011H1	0	1793	0.000	2660
2011H2	2	2116	0.945	2776
2012H1	0	1760	0.000	2748
2012H2	3	1917	1.565	2738

Summary Year Half	Ventilator Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	617	0.000	1594
2011H2	2	672	2.976	1717
2012H1	0	810	0.000	1805
2012H2	0	863	0.000	1763
2011H1	3	1218	2.463	2792
2011H2	8	1407	5.686	2858
2012H1	6	1272	4.717	2882
2012H2	2	1325	1.509	2878
2011H1	4	1553	2.576	3198
2011H2	4	1423	2.811	3162
2012H1	2	1720	1.163	3307
2012H2	1	1464	0.683	3248
2011H1	0	143	0.000	1373
2011H2	0	181	0.000	1142
2012H1	0	339	0.000	1236
2012H2	0	264	0.000	1259
2011H1	12	1705	7.038	2660
2011H2	17	2125	8.000	2776
2012H1	6	1671	3.591	2748
2012H2	9	1877	4.795	2738



Pauls Valley General Hospital - This hospital is located in Pauls Valley. Data were collected from an inpatient acute critical care medical surgical unit consisting of three setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 64.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	4	0.000	59
2011H2	0	0	0.000	13
2012H1	0	11	0.000	21
2012H2	0	0	0.000	0

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	0	0.000	59
2011H2	0	0	0.000	13
2012H1	0	0	0.000	21
2012H2	0	0	0.000	0



Ponca City Medical Center - This hospital is located in Ponca City. Data were collected from an inpatient acute critical care medical unit consisting of 10 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 140.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	93	0.000	738
2011H2	0	86	0.000	704
2012H1	0	94	0.000	873
2012H2	0	98	0.000	807

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	54	0.000	738
2011H2	0	35	0.000	704
2012H1	0	64	0.000	873
2012H2	2	85	23.529	807



Southwestern Medical Center - This hospital is located in Lawton. Data were collected from an inpatient acute critical care medical surgical unit consisting of 9 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 199.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	96	0.000	999
2011H2	0	241	0.000	1095
2012H1	1	90	11.111	976
2012H2	1	70	14.286	5934

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	187	0.000	999
2011H2	0	98	0.000	1095
2012H1	0	137	0.000	976
2012H2	0	244	0.000	5934

Southwestern Regional Medical Center - (Cancer Treatment Center of America) - This hospital is located in Tulsa. Data were collected from an inpatient acute critical care medical surgical unit consisting of seven setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 43.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	2	743	2.692	815
2011H2	4	825	4.848	989
2012H1	3	940	3.191	989
2012H2	0	894	0.000	957

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	58	0.000	815
2011H2	1	225	4.444	989
2012H1	1	305	3.279	989
2012H2	2	303	6.601	957

St. Anthony Hospital - This hospital is located in Oklahoma City. Data were collected from two inpatient acute critical care medical surgical units, consisting of 29 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 686.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	1	1622	0.617	2425
2011H2	0	1283	0.000	2455
2012H1	0	1289	0.000	2451
2012H2	0	1300	0.000	2498
2011H1	1	1601	0.625	2500
2011H2	0	1373	0.000	2482
2012H1	1	1171	0.854	2041
2012H2	1	1344	0.744	2508

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	925	0.000	2425
2011H2	0	711	0.000	2455
2012H1	0	852	0.000	2451
2012H2	0	795	0.000	2498
2011H1	0	839	0.000	2500
2011H2	0	672	0.000	2482
2012H1	1	746	1.340	2041
2012H2	0	803	0.000	2508



Saint Francis Hospital - This hospital is located in Tulsa. Data were collected from four inpatient acute critical care units, medical surgical critical care, cardiac critical care, and trauma critical care. All four ICUs total to 139 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 928.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	1	2330	0.429	2697
2011H2	0	1907	0.000	2431
2012H1	1	2132	0.469	2695
2012H2	2	1985	1.008	2724

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	1341	0.000	2697
2011H2	0	1082	0.000	2431
2012H1	0	1449	0.000	2695
2012H2	0	1176	0.000	2724



Saint Francis Hospital South - This hospital is located in Tulsa. Data were collected from an inpatient acute critical care medical unit consisting of 12 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 96.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	213	0.000	378
2011H2	0	185	0.000	390
2012H1	0	293	0.000	554
2012H2	0	549	0.000	951

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	74	0.000	378
2011H2	0	70	0.000	390
2012H1	0	135	0.000	554
2012H2	0	326	0.000	951



St. John Medical Center - This hospital is located in Tulsa. Data were collected from an inpatient acute critical care medical surgical unit consisting of 105 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 703.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	5	1654	3.023	2245
2011H2	2	1530	1.307	2090
2012H1	0	1434	0.000	1959
2012H2	1	1329	0.752	1844

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	8	1121	7.136	2245
2011H2	4	674	5.935	2090
2012H1	2	573	3.490	1959
2012H2	7	707	9.901	1844

St. Anthony Shawnee Hospital - This hospital is located in Shawnee. Data were collected from an inpatient acute critical care medical surgical unit consisting of 14 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 114.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	140	0.000	1192
2011H2	1	127	7.874	1187
2012H1	0	210	0.000	1226
2012H2	0	176	0.000	1151

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	151	0.000	1192
2011H2	0	103	0.000	1187
2012H1	0	185	0.000	1226
2012H2	0	182	0.000	1151

St. Mary's Regional Medical Center - This hospital is located in Enid. Data were collected from an inpatient acute critical care medical surgical unit consisting of 11 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 245.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	527	0.000	853
2011H2	0	473	0.000	967
2012H1	0	592	0.000	1118
2012H2	0	332	0.000	791

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number Patient days
2011H1	0	239	0.000	853
2011H2	0	347	0.000	967
2012H1	0	331	0.000	1118
2012H2	0	151	0.000	791



Stillwater Medical Center - This hospital is located in Stillwater. Data were collected from an inpatient acute critical care medical surgical unit consisting of seven setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 119.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	239	0.000	563
2011H2	0	259	0.000	523
2012H1	0	243	0.000	616
2012H2	0	228	0.000	635

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	67	0.000	563
2011H2	1	54	18.519	523
2012H1	0	90	0.000	616
2012H2	1	58	17.241	635



Tahlequah City Hospital - This hospital is located in Tahlequah. Data were collected from an inpatient acute critical care medical surgical unit consisting of 14 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 100.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	238	0.000	815
2011H2	0	232	0.000	751
2012H1	0	365	0.000	791
2012H2	0	203	0.000	715

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	114	0.000	815
2011H2	0	115	0.000	751
2012H1	0	120	0.000	791
2012H2	0	86	0.000	715

Valley View Regional Hospital - This hospital is located in Ada. Data were collected from an inpatient acute critical care medical surgical unit consisting of 12 setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 156.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	422	0.000	930
2011H2	0	330	0.000	778
2012H1	0	309	0.000	760
2012H2	0	282	0.000	697

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	193	0.000	930
2011H2	0	136	0.000	778
2012H1	0	109	0.000	760
2012H2	1	109	9.174	697

Wagoner Hospital - This hospital is located in Wagoner. Data were collected from an inpatient acute critical care medical surgical unit consisting of six setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 100.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	42	0.000	152
2011H2	0	41	0.000	149
2012H1	0	32	0.000	80
2012H2	0	18	0.000	71

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	1	0.000	152
2011H2	0	8	0.000	149
2012H1	0	15	0.000	80
2012H2	0	4	0.000	71



Woodward Hospital - This hospital is located in Woodward. Data were collected from an inpatient acute critical care medical surgical unit consisting of six setup and staffed beds. The total number of beds that this facility is licensed to operate by the Oklahoma State Department of Health is 87.

Summary Year Half	Central Line-Associated Bloodstream Infection Count	Number of Central Line Days	CLABSI Rate	Number of Patient Days
2011H1	0	27	0.000	372
2011H2	0	49	0.000	410
2012H1	0	51	0.000	335
2012H2	0	63	0.000	368

Summary Year Half	Ventilator-Associated Pneumonia (VAP) Count	Number of Ventilator Days	VAP Rate	Number of patient days
2011H1	0	27	0.000	372
2011H2	0	25	0.000	410
2012H1	0	19	0.000	335
2012H2	0	29	0.000	368



Patient Safety Indicators

The Agency for Health care Research and Quality (AHRQ) Patient Safety Indicators (PSI) are measures used to screen for adverse events that patients experience as a result of exposure to the health care system; these events are likely amenable to prevention by changes at the hospital or provider level. The PSIs can be used with hospital inpatient discharge data, which is uploaded to the Oklahoma State Department of Health annually, to provide perspective on patient safety. These data are taken from the medical record billing ICD-9 CM codes. Provider level indicators offer a measure of potentially preventable complications for patients who received their initial care and the complication of care within the same hospitalization. Provider level indicators include only those cases where a secondary diagnosis code flags a potentially preventable complication. Detailed information on the methods of identifying, selecting and evaluating these quality indicators can be found at the AHRQ Quality Indicator Website: <http://www.qualityindicators.ahrq.gov>.

Comparative reporting of hospital performance data is encouraged by the AHRQ. AHRQ considers comparative reporting an important strategy to advance the quality improvement agenda in health care. Public reporting has been supportive evidence that comparative performance data by hospitals is a key element that promotes enhanced patient care. AHRQ works closely with the Hospital Quality Alliance (HQA), the Ambulatory Care Quality Alliance (AQA) alliance, the National Quality Forum (NQF) and others. The combined effort in comparative reporting AHRQ Quality Indicators and recommendations are submitted to the National Quality Forum endorsement process. Based on an extensive analysis of each indicator by these partners, NQF has determined the appropriateness of each indicator for comparative reporting.

The Oklahoma State Department of Health has been moving forward to make public reporting more timely and easily accessible by the public. Consequently, the Patient Safety Indicator data is now posted on the Oklahoma State Department of Health website OK2SHARE (<http://www.ok.gov/health/pub/wrapper/ok2share.html>).

Data Collection Activities

OK2SHARE is a web-based data query system containing data that supports the information needs of the Oklahoma State Department of Health and other data users. OK2SHARE contain data from death and birth certificates, hospitals and ambulatory surgery centers, health surveys, and health registries as well as links to external data sources.

Acute care hospitals are required to submit data on all inpatient discharges and outpatient surgeries. Legislators and policy makers use discharge and outpatient surgery statistics for public health planning, and legislation and policy development. Researchers use these statistics to understand trends and patterns of outpatient surgeries. Facilities use these statistics for their strategic planning and quality assurance purposes.

Through OK2SHARE, access to inpatient discharges is available from 2002 to the most recently submitted and processed year. These data can be broken down by various demographics, including county, age, gender, race, admission source or point of origin, discharge status, principal diagnosis category, and major disease category. In addition to frequencies, charges (total and average) and length of stay (total and average) can be calculated. The following page shows a screenshot of the webpage.

Oklahoma Hospital Quality Reports 2010

OK2SHARE

Home **Hospital Quality** **Hospital Utilization** **Maps of Avoidable Stays** **County Rates** **Resources**

Hospital Quality Ratings

Ratings for the Public **Detailed Quality Statistics**

Find and compare hospitals in your area. Some hospitals provide better quality care than others.

Hospital Utilization

Find and compare hospitals by the number of patients they treat for different medical conditions and procedures.

Maps of Avoidable Hospital Stays

Map and compare counties by rates of potentially avoidable hospital stays. Compare cost savings from reducing avoidable stays.

County Rates of Hospital Use

Map and compare counties by rates of inpatient medical conditions and procedures.

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Hospital Compare Website

The Centers for Medicare and Medicaid Services (CMS), the Hospital Quality Alliance (HQA) and the nation's hospitals are working together to create and publicly report hospital quality information. This information measures how well hospitals care for their patients.

The hospital quality measures on the Hospital Compare website show recommended treatments for some of the most common and costly conditions that hospitals treat. Research has shown that these clinical practice treatments provide the best results for most patients with those conditions and are an important part of patients' overall care.

Hospitals, doctors, scientists, and other health care professionals agree that these quality measures give a good snapshot of the quality of care hospitals give to patients. Hospitals should try to give all of their patients this recommended care when it is appropriate. The hospital should strive to meet each measure at 100 percent.

Since January 2011, NHSN has been the tool used by facilities electing to participate in the CMS HAI [Hospital Inpatient Quality Reporting Program](#) (IPPS), formerly known as the Reporting Hospital Quality Data for Annual Payment Update (RHQDAPU). As part of the program, central line-associated bloodstream infection (CLABSI) data from each facility's adult, pediatric, and neonatal intensive care units is reported to NHSN and shared with CMS and reported by facility on the Hospital Compare website. Over the next few years, the CMS mandatory data requirements will be expanded and will be available on the website: <http://www.hospitalcompare.hhs.gov/hospital>.

Sample from Hospital Compare website

Measure Description	XXXX MEDICAL CENTER	OKLAHOMA
Central Line-Associated Blood Stream Infections (CLABSI)	Better than the U.S. National Benchmark	0.58

Patients and Their Families

In order to make informed decisions, the public should know that a hospital's quality is more than just its scores on these measures. A hospital should be able to tell the public what steps it is taking to improve its care. The information you will find on the Hospital Compare website is intended to help you when you talk with your physician or hospital about how you can best get the care you need.

Resources

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1000 NE 10th Street
Oklahoma City, OK 73117-1299
405-271-6576
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<http://www.health.ok.gov>

Oklahoma Board of Medical Licensure and Supervision
101 NE 51st Street
Oklahoma City, OK 73105
405-962-1440
800-381-4519
<http://www.okmedicalboard.org>

Oklahoma Board of Nursing
2915 N. Classen Boulevard, Suite 524
Oklahoma City, OK 73106
405-962-1800
<http://www.ok.gov/nursing>

Oklahoma Foundation for Medical Quality
14000 Quail Springs Parkway
Suite 400
Oklahoma City, OK 73134
405-840-2891
<http://www.ofmq.com>

Oklahoma Health care Authority
4345 N. Lincoln,
Oklahoma City, OK 73105
405-552-7300
<http://www.ohca.state.ok.us/>

Oklahoma Hospital Association
4000 N Lincoln Boulevard
Oklahoma City, OK 73105
405-427-9537
<http://www.okoha.com>

Oklahoma State Board of Osteopathic Examiners
4848 N Lincoln Boulevard, Suite 100
Oklahoma City, OK 73105-3335
405-528-8625
<http://www.ok.gov/osboe>

Oklahoma State Department of Health
1000 NE 10th Street
Oklahoma City, OK 73117-1299
405-271-5600
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Oklahoma State Board of Pharmacy
2920 N Lincoln Boulevard, Suite A
Oklahoma City, OK 73105-3488
405-521-3815
<http://www.ok.gov/OSBP>

<http://www.hospitalcompare.hhs.gov>

<http://www.qualityindicators.ahrq.gov/index.htm>

http://www.qualityindicators.ahrq.gov/psi_overview.htm

<http://www.cdc.gov/nhsn/>