

AMBULATORY SURGICAL CENTERS' UTILIZATION REPORT, INDIANA, 2002

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Introduction

On a quarterly basis, the Indiana State Department of Health requests licensed ambulatory surgical centers to describe their resources, utilization, and outcome from the surgical procedures. This report summarizes the information for calendar year 2002.

Characteristics of Ambulatory Surgical Centers

As of December 31, 2002, there were 114 ambulatory surgical centers in Indiana, located in 28 of the 92 counties. The majority of these centers have the following characteristics

CHARACTERISTICS OF CENTERS	STATEWIDE STATISTICS
Number of Surgical Centers	114
Percent of Centers in Urban Counties of Indiana	88.6%
Percent of centers with all physicians focusing on a single specialty	52%
Percent that are MD owned	38%
Percent of for-profit corporations	97%
Average Number of Operating Rooms	2.7

These centers are established, equipped, and operated primarily for the purpose of performing needed medical surgical procedures and services. These centers are an alternative source of surgery performed in hospital-based outpatient operating rooms.

Annual Utilization Statistics

In 2002, physicians, dentists, or podiatrist performed 398,295 procedures on 323,015 patients in 114 centers. Each surgical center performed an average of 291 procedures every 30 days.

It is estimated that this surgical volume represented 26 percent of all outpatient surgeries performed. In 2000, the Indiana Hospital and Health Association determined that physicians in hospital-based outpatient operating rooms performed 650,352 procedures. The remaining five percent of surgeries are performed in offices of independent physician practices.

The ambulatory surgical centers serve three distinct patient populations: the middle-aged population seeking assistance with digestive problems, the elderly seeking removal of cataracts, and all other patients seeking general outpatient surgical care.

CHARACTERISTICS OF PATIENT POPULATION	STATEWIDE PERCENT
Percent of Females	51.1%
Percent of Patients aged 1 to 17 years	7.2%
Percent of Patients aged 18 to 64 years	59.3%
Percent of Patients aged 65 years and older	33.5%
Percent of Patients reimbursed under Medicaid	6.4%

The number of operating rooms, total annual procedures, and principal surgical focus by center is shown in Table A. The trend line on the growth of centers and procedures is shown below:

	2000	2001	2002
Total Ambulatory Surgery Centers	96	99	114
Total Procedures	331,399	367,326	398,295

In 2002, the majority of these centers focused on performing procedures on the eye and the digestive system. The most frequent surgical procedure groups filed in quarterly reports are seen below.

NAME OF MOST FREQUET PROCEDURE GROUPS	CPT CODE	# OF CNTRS	NUMBER OF PROCEDURES	AVERAGE PER CENTER
Integumentary (Skin) System	10040-19499	40	6,539	163
Musculoskeletal System	20000-29909	46	18,215	395
Respiratory System	30000-32999	19	21,177	1,114
Digestive System	40490-49999	53	79,980	1,509
Urinary System	50010-53899	14	4,096	292
Genital System	54000-58999	29	7,883	272
Nervous System	61000-64999	44	37,468	852
Eye and Ocular System	65091-68999	49	73,522	1,500
Auditory System	69000-69999	36	9,659	268
Cardiac Catheterization	93501-93572	7	9,135	1,305
	Other	-	130,621	-
Total Of All Reported	Total	114	398,295	3,425

Procedures				
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1. Procedure codes are abstracted from the AMA Physician Current Procedural Terminology (CPT-4).
2. The number of the 50 most frequent procedure groups by CPT diagnostic category in the state for all centers is seen on Table B.

Outcome from Surgery

Patients are referred to a surgical center based on recommendations from their health care provider. Most patients arrive with low risk for surgery and have no prior chronic problem that may interfere with the new procedure. Most patients are treated within two or three hours and discharged to family members under the care of their family physician.

A small percent of these patients do expect limited problems after the operation, and are referred to an acute care hospital for treatment of stable or unstable medical conditions. The percent of inpatient transfer is higher with patients with existing cardiac or acute problems seen prior to surgery.

OUTCOMES FROM SURGICAL PROCEDURES	STATEWIDE STATISTICS
Number of patients transferred to a hospital with stable medical conditions.	1,590 of 398,295 patients
Number of patients transferred to a hospital with unstable medical conditions	73 of 398,295 patients
Number of cases with a post-surgical wound infection	114 of 398,295 patients
Number of patient deaths	1 Death
Percent of patients with no other medical problems other than need for surgery	39.1 %
Percent of patients with an other chronic (mild) systemic disease prior to surgery	45.8%
Percent of patients with an other acute (severe) systemic disease prior to surgery	15.1%

It is recommended that individuals considering outpatient surgery discuss the need with their physician, discuss coverage with their insurance representative, and notify the surgeon of any prior conditions prior to arrival at the surgical center.

TABLE A
SUMMARY OF KEY RESOURCES AND UTILIZATION, 2002
AMBULATORY SURGICAL CENTERS, INDIANA

NAME OF CENTER	COUNTY NAME	# OF OPERATING ROOMS	KEY PROCEDURAL SPECIALIZATION	TOTAL 2002 PROCEDURES
Advanced Surgery Center	Tippecanoe	2	Eye	1,922
Aesthetic Surgery Center	Hamilton	2	Plastic	218
Akin Medical Center	Floyd	2	Allergy	882

Allied Physician Surgery Center	St Joseph	8	General	9,082
Apac Surgery Center II	Lake	1	Pain	288
Athens Diagnostics Surgical Cnt	Montgomery	1	General	2,851
Beltway Surgery Centers	Marion	9	General	6,307
Bloomington Endoscopy Center	Monroe	1	Digestive	4,389
Bloomington Surgery Center	Monroe	2	Eye	3,264
Broadwest Surgery *	Lake	5	General	175
Calumet Surgery Center	Lake	5	General	3,185
Center for Special Surgery	Marion	1	Pain	518
Centers for Pain Management	Lake	2	General	1,836
Central IN Laser & Surgery	Howard	2	Eye	371
Central IN Orthopedic Surgery	Delaware	2	Orthopedics	2,720
Central Indiana Surgery Center	Marion	2	Eye	1,258
Chandana Surgery Center	Porter	3	General	3,770
Columbus Eye Surgery Center	Bartholomew	1	Eye	915
Columbus Surgery Center	Bartholomew	2	General	2,785
Community Surgery Center	Lake	8	General	4,596
Digestive Health Center	Hamilton	2	Digestive	4,571
Dupont Surgery Center	Allen	4	General	10,282
Eastern IN Cnt for Ambulatory	Wayne	3	General	7,289
Endoscopy Center	Marion	3	Digestive	5,226
Evansville Deaconess	Vanderburgh	2	General	7,179
Evansville Newburgh Center	Warrick	4	General	4,410
Eyecare Consultants Surgery Cnt	Vanderburgh	2	Eye	1,748
Foot & Ankle Surgery Center	Marion	2	Podiatry	3,065
FW Cardiology Cath	Allen	1	Cardiology	771
FW Ophthalmic Surgery Center	Allen	3	Eye	5,573
FW Orthopaedics Surgicenter	Allen	4	General	6,773
Franciscan Surgery Center	Marion	4	General	1,829
Gastrointestinal Endoscopy Cnt	Vanderburgh	2	Digestive	4,996
Goshen Ambulatory Care Center	Elkhart	2	General	2,918
Grand Park Surgical	Lake	2	General	1,022
Grossnickle Eye Surgery Center	Kosciusko	2	Eye	5,306
Healthsouth North Indy *	Marion	6	General	634
IMA Endoscopy Surgical	Lake	1	Digestive	3,023
Indiana Eye Clinic	Johnson	2	Eye	2,138
IN Surgery Center Noblesville	Hamilton	7	General	3,199
Indiana Surgery Howard	Howard	4	Howard	3,248
Indiana Surgery Center North	Marion	7	General	9,814
IN Surgery Cnt 16 th Street	Marion	6	General	9,177
Indiana Surgery South Campus	Marion	4	General	7,380
Indianapolis Endoscopy Center	Marion	2	Digestive	6,968
John Kenyon Surgery For Eye	Clark	2	Eye	1,498
KK & A Surgery Center	Floyd	2	Orthopedic	3,764
Lafayette Amb Surgery Center	Tippecanoe	2	General	972
Lafayette Cath Lab	Tippecanoe	1	Cardiology	2,703

Lake Park Surgicare	Lake	4	General	3,777
Laser & Skin Surgery Center	Hamilton	2	Dermatology	882
Marion Surgicenter	Grant	2	General	1,644
Medical Group Surgery Center	LaPorte	2	General	3,552
Meridian Endoscopy Center	Marion	4	Digestive	5,526
Meridian Plastic Surgery Center	Marion	2	Plastic	6,339
Merrillville Center Advanced	Lake	1	Digestive	2,920
Michiana Endoscopy Center	St Joseph	2	Digestive	7,073
Mid-America Surgery Center	Delaware	2	General	2,721
Midwest Surgery Center	Vigo	2	General	1,953
Muncie Ambulatory Surgicenter	Delaware	2	Eye	3,619
Muncie Cataract and Laser Eye	Delaware	2	Eye	1,524
Munster Same Day Surgery Cnt	Lake	3	General	3,683
Naab Road Surgery Center	Marion	6	General	11,530
Nasser Smith Pinkerton (Care Lab)	Marion	1	Cardiology	2,276
North Central Health Services	Tippecanoe	3	General	515
North Meridian Surgery Center	Hamilton	3	General	1,399
Northeast IN Endoscopy Center	Allen	2	Digestive	3,151
Northside Cardiac Cath Lab	Marion	1	Cardiology	2,101
Northside Gastroenterology Endo	Marion	4	Digestive	6,513
Northwest Surgery Center	Marion	4	General	5,172
Novamed Eye New Albany	Floyd	2	Eye	4,491
Novamed Eye Hammond	Lake	2	Eye	1,822
Oakview Surgery Center	Fulton	1	Podiatry	151
OSMC Outpatient Surgery Center	Elkhart	3	General	3,475
Pain Center Southern Indiana	Bartholomew	1	Pain	2,128
Premier Surgery Center	Allen	6	General	2,908
Primesource Healthcare ASC	Marion	2	Eye	337
Richmond Cataract & Laser	Wayne	2	Eye	144
Richmond Surgery Center	Wayne	3	General	4,118
River View Surgery Center	Grant	4	General	5,256
Riverpointe Cardiovascular Lab	Elkhart	1	Cardiology	443
Riverpointe Surgery Center	Elkhart	1	General	4,504
Sagamore Surgical Service	Tippecanoe	2	General	2,427
South Bend Clinic & Surgicenter	St Joseph	2	General	2,620
South Central Surgery Center	Johnson	3	General	976
South Emerson Surgery Center	Marion	3	Orthopedic	654
Southeast Surgery Center	Marion	3	Pain	483
Southern Indiana Endoscopy	Floyd	3	Digestive	2,854
Southern Indiana Surgery Center	Monroe	4	General	6,828
Spine Rehab Ambulatory	Marion	2	Pain	1,772
St Charles Surgical Pavilion	St Joseph	1	General	2,219
Surgery Center Pain Southern	Monroe	2	Pain	6,207
Surgery Center Eye Specialty	Marion	2	Eye	3,898
Surgery Center (Hand)	Marion	3	Orthopedics	6,914
Surgery Center of Indianapolis	Marion	4	General	7,684

Surgery Center of Ophthalmology	Allen	2	Eye	1,008
Surgery Center Southeastern IN	Decatur	2	General	1,081
Surgery Center Plus	Marion	3	General	1,760
Surgery Center (Allen)	Allen	2	Digestive	6,511
Surgery One	Allen	4	Orthopedics	6,742
Surgical Care Center	Marion	2	General	3,632
Surgical Center of New Albany	Floyd	3	General	1,109
Surgicare LLC	Monroe	2	General	3,779
Surgicare Outpatient Surgery Cnt	Vanderburgh	5	General	7,563
Terre Haute Heart Center Cath	Vigo	1	Cardiology	551
Unity Surgery Center	Tippecanoe	4	General	7,309
Valley Surgery Center	Vanderburgh	2	Eye	2,389
Vision SC Springhill	Clark	2	General	2,987
Wabash Valley Eye	Knox	2	Eye	1,558
Welborn Clinic Surgery	Vanderburgh	3	General	6,627
Whitewater Valley Surgery Cnt	Montgomery	1	General	404
Williams Eye Surgery Center	Lake	2	Eye	1,856
Women's Physician Surgery	Marion	4	General	3,301
Woodlawn Healthcare	LaPorte	2	General	6,615
Subtotal 114 ASCs	(28)	(313)	-	398,295

* Closed in calendar year 2002.

TABLE B
NUMBER OF 50 MOST FREQUENT PROCEDURE GROUPS
BY CURRENT TERMINOLOGY DIAGNOSTIC CATEGORY,
AMBULATORY SURGICAL CENTERS, INDIANA, 2002

ANATOMICAL SYSTEM	CPT CODE	PROCEDURE DESCRIPTION	# CASES
Skin	19120	Excision of cyst or breast tissue (43)	780
10040-19499	19125	Excision of breast lesion (44)	759
	19325	Mammoplasty with implant (29)	1,482
	Other		3,518
	Subtotal	Of Procedures of Integumentary System	6,539
Muscles	27096	Injection for hip procedure (21)	2,137
20000-29909	28285	Hammertoe operation (37)	910
	29826	Arthroscopy with acromioplasty (24)	1,994
	29877	Shaving of articular cartilage (28)	1,504
	29881	Arthroscopy with meniscectomy (11)	5,292
	Other		6,378
	Subtotal	Of Procedures of Musculoskeletal System	18,215

Respiratory	30140	Submucous resection turbinate (35)	1,093
30000-32999	30520	Septoplasty or submucous resection (25)	1,881
	31255	Endoscopy with ethmoidectomy (27)	1,552
	31256	Endoscopy with maxillary antrostomy (42)	823
	31267	Sinus Endoscopy with polyp removal (49)	640
	31288	Sinus Endoscopy (4)	14,754
	Other		434
	Subtotal	Of Procedures of Respiratory System	21,177
Digestive	42820	Tonsillectomy (16)	4,243
40490-49999	42826	Secondary Tonsillectomy (39)	860
	43235	Upper gastrointestinal endoscopy (9)	7,588
	43239	Upper gastrointestinal with biopsy (6)	13,260
	43248	Gastrointestinal endoscopy tube (22)	2,130
	43450	Dilation of esophagus (26)	1,791
	45378	Colonoscopy, flexible (2)	22,551
	45380	Colonoscopy with biopsy (10)	7,022
	45383	Sigmoidoscopy diagnostic (47)	716
	45384	Colonoscopy to remove tumor (14)	4,740
	45385	Colonoscopy to snare/remove tumor (7)	8,971
	47562	Cholecystectomy excision (32)	1,118
	49505	Repair of inguinal hernia (31)	1,268
	Other		3,722
	Subtotal	Of Procedures on Digestive System	79,980
Urinary	50590	Lithotripsy, extracorporeal shock (42)	795
50010-53899	52000	Cystourethroscopy (30)	1,443
		Other	1,858
	Subtotal	Of Procedures on Urinary System	4,096
Genital	58558	Hysteroscopy surgical (19)	2,403
54000-58999	58670	Laparoscopy (33)	1,117
	58970	Follicle puncture for oocyte retrieval (38)	887
	Other		3,476

	Subtotal	Of Genital System	7,883
Nervous	62290	Injection for diskography lumbar (36)	1,032
61000-64999	62310	Injection of a substance (20)	2,181
	62311	Lumbar injection (5)	13,377
	64475	Injection to sacral nerve (17)	3,069
	64476	Injection of sacral nerve add level (23)	2,079
	64483	Injection of cervical or thoracic (12)	5,280
	64721	Neuroplasty to carpal tunnel (15)	4,294
	64472	Injection peripheral nerve (41)	797
	Other		5,359
	Subtotal	Of Procedures on Nervous System	37,468
Eye	65038	Evisceration of ocular contents (45)	728
65091-68899	66761	Iridotomy (50)	673
	66821	YAG Laser on lens capsule (3)	15,215
	66981	Intracapsular cataract extraction (35)	1,061
	66984	Extracapsular cataract removal (1)	47,092
	67311	Strabismus surgery (46)	728
	Other		8,025
	Subtotal	Of Procedures on Eye and Ocular System	73,522
Auditory	69436	Tympanostomy (8)	8,487
69000-69999	Other		1,172
	Subtotal	Of Procedures on Auditory System	9,659
Catheterization	93510	Left Heart Catheterization (13)	4,964
93501-93572	Other		4,171
	Subtotal	Of Cardiac Catheterization Procedures	9,135
All Other Procedures			130,621
TOTAL	Of	All REPORTED PROCEDURES	398,295