

**MICHIGAN DEPARTMENT OF COMMUNITY HEALTH
COMPUTED TOMOGRAPHY STANDARD
ADVISORY COMMITTEE (CTSAC) MEETING**

Wednesday November 17, 2010
Capitol View Building
201 Townsend Street
MDCH Conference Center
Lansing, Michigan 48913

APPROVED MINUTES

I. Call to Order

Chairperson Brooks called the meeting to order @ 9:35 a.m.

A. Members Present:

James R. Pedersen, International UAW
Sharon L. Brooks, DDS, MS, Chairperson, Michigan Dental Assoc.
Suresh Mukherji, MD, Vice-Chairperson, University of Michigan Health System
David J. Kastan, MD, FSIR, Henry Ford Health System
Anthony L. Alcantara, MD, St. John Providence Health System
Daniel Shumaker, MD, FA, Michigan Radiological Society
Rod J. Zapolski, Mid Michigan Health
Robert M. Goodman, DO, Blue Cross Blue Shield/ Blue Care Network
arrived @ 9:41 a.m.
Renee K. Myers, Chrysler Group, LLC
Stephen Meier, Xoran Technologies Inc. via conference call @ 9:48 a.m.
Bradford W. Betz, MD, Spectrum Health

B. Members Absent:

Lawrence Ashker, DO, Genesys Regional Medical Center

C. Michigan Department of Community Health Staff Present:

Tania Rodriguez
Natalie Kellogg
Stan Nash
Irma Lopez
Brenda Rogers
Matt Weaver
William Hart Jr.

II. Declaration of Conflicts of Interests

Vice-Chairperson Mukherji stated he used to consult with Phillips Medical System, which is not currently active.

III. Review of the Agenda

Motion by Dr. Altman and seconded by Vice-Chairperson Mukherji to accept the agenda as presented. Motion Carried.

IV. Review of Minutes of October 27, 2010

Motion by Pedersen, seconded by Vice-Chairperson Mukherji to accept the minutes as presented. Motion Carried.

V. Mini CT Scanners Requirements- Sub Committee Report - Discussion

Dr. Katranji gave a brief overview of the findings of the sub-committee comprised of Chairperson Brooks, Mr. Meier, and Dr. Katranji, on the Proposal for Specialty CT Scanner (aka "Mini-CT Scanner").
(Attachment A)

Discussion Followed.

Motion by Dr. Katranji, seconded by Chairperson Brooks to propose acceptance of the pilot program as outlined (Attachment A).

Motion voted on, and motion failed by a vote of 2- Yes 10-No.

VI. Dental CT Scanner Requirements Discussion

Chairperson Brooks gave a brief overview of the Proposed Standard Changes for Dental CT Exemption (Attachment B).

Motion by Chairperson Brooks and seconded by Dr. Katranji to accept the proposed changes to exclude Dental CT from CON regulation.

Discussion followed.

Chairperson Brooks gave a brief summary of the letter she received from Dr. Timothy Kosinski.

For the next meeting, Chairperson Brooks stated she will provide the following data for consideration in regards to Dental CT exemption:

1. Position paper by Dr. Brooks

2. Review of the utilization of Cone Beam CT for orthodontics Articles

Public Comment: Dennis McCafferty, Economic Alliance for Michigan (EAM)

Motion voted on, and motion failed by a vote of 3-Yes 9-No.

Discussion continued.

Chairperson Brooks stated that a proposal to modify the current dental CT language may be brought to the next meeting.

Break @ 11:17 a.m.-11:36 a.m.

VII. CT Scanners Volume Requirements and CT Equivalents - Discussion

Mr. Pedersen gave an overview of “CT Need Methodology Proposals,” (Attachment C) and discussion followed.

Public Comment:
Dennis McCafferty, EAM

Dr. Betz summarized the “Diagnostic Imaging, Vol. 32, No.7, CT, MR volumes starting to plunge, several experts say – Exponential growth has leveled off due to the economy, radiation concerns, other factors “ (Attachment D) he provided and a CT equivalents proposal. (Attachment E).

Discussion Followed.

VIII. Public Comment

No Public Comment.

IX. Next Steps and SAC Work plan

Vice-Chairperson Mukherji and Dr. Altman will work together to create a proposal for a rural exemption for Dental CT scanners to have a lower threshold to ensure individuals across the state have appropriate access to this important technology.

X. Future Meeting Dates

- A. December 9, 2011
- B. January 13, 2011

XI. Adjournment

Motion by Mr. Pedersen and seconded by Dr. Goodman to adjourn the meeting at 12:35 p.m. Motion Carried.

Proposed Standards Changes for CT Need Methodology

Proposal 1: Maintain annual volume of CT equivalents to replace an existing CT scanner at 7,500.

No Language Changes Necessary.

Motion: Although no motion is necessary, a motion could be adopted to maintain the current minimum volume requirement of 7,500 CT equivalents per fixed CT scanner.

Proposal 2: Maintain current minimum volume requirement of 7,500 CT equivalents, but add a maximum volume of 10,000 CT equivalents before “excess” CT equivalents volume could be committed toward justifying an additional CT service in the community.

Modify Section 2 (Definitions) as follows:

(P) “EXCESS CT EQUIVALENTS” MEANS THE NUMBER OF CT EQUIVALENTS PERFORMED BY AN EXISTING CT SCANNER SERVICE IN EXCESS OF 10,000 PER FIXED CT SCANNER AND 4,500 PER MOBILE CT SCANNER. FOR EITHER A FIXED OR MOBILE CT SCANNER SERVICE, THE NUMBER OF CT SCANNERS USED TO COMPUTE EXCESS CT EQUIVALENTS SHALL INCLUDE BOTH EXISTING AND APPROVED BUT NOT YET OPERATIONAL CT SCANNERS. IN THE CASE OF A CT SCANNER SERVICE THAT OPERATES, OR HAS A VALID CON TO OPERATE, MORE THAN ONE FIXED CT SCANNER AT THE SAME SITE, THE TERM MEANS THE NUMBER OF CT EQUIVALENTS IN EXCESS OF 10,000 MULTIPLIED BY THE NUMBER OF FIXED CT SCANNERS AT THE SAME SITE. FOR EXAMPLE, IF A CT SCANNER SERVICE OPERATES, OR HAS A VALID CON TO OPERATE, TWO FIXED CT SCANNERS AT THE SAME SITE, THE EXCESS CT EQUIVALENTS IS THE NUMBER THAT IS IN EXCESS OF 20,000 (10,000 X 2) CT EQUIVALENTS. IN THE CASE OF A MOBILE CT SCANNER SERVICE, THE TERM MEANS THE SUM OF ALL CT EQUIVALENTS PERFORMED BY THE SAME MOBILE CT SCANNER SERVICE AT ALL OF THE HOST SITES COMBINED THAT IS IN EXCESS OF 4,500. FOR EXAMPLE, IF A MOBILE CT SCANNER SERVICE SERVES FIVE HOST SITES WITH 1 MOBILE CT SCANNER, THE TERM MEANS THE SUM OF MRI ADJUSTED PROCEDURES FOR ALL FIVE HOST SITES COMBINED THAT IS IN EXCESS OF 4,500 CT EQUIVALENTS.

Modify Section 22 (Documentation of Projections) as follows:

(4) An applicant shall demonstrate that the projected number of referrals to be performed at the proposed site under subsections (1) and (2) are from an existing CT scanner service that is in compliance with the volume requirements applicable to that service, and will continue to be in compliance with the volume requirements applicable to that service subsequent to the initiation of the proposed CT scanner service by an applicant HAS EXCESS CT EQUIVALENTS EQUAL TO OR GREATER THAN WHAT IS BEING COMMITTED PURSUANT TO THIS SUBSECTION. In demonstrating compliance with this subsection, an applicant shall provide each of the following:

Motion: To adopt the changes suggested to Section 2 which would add a definition of “excess CT equivalents” which requires existing CT scanners to operate above 10,000 CT equivalents, and existing mobile CT scanners to operate above 4,500 CT equivalents before excess CT equivalents are generated; and changes to Section 22 to require that projected volumes based on commitments of referrals only be accepted for referrals which represent excess CT equivalents.

Proposal 3: Increase volume of excess CT equivalents needed to expand a CT service from average of 10,000 per unit per year to 7,500 CT equivalents in excess of the average of 10,000 per unit per year.

Modify Section 5 (Expansion Criteria) as follows:

- (1) An applicant proposing to expand an existing fixed CT scanner service shall demonstrate that all of the applicant’s fixed CT scanners, excluding CT scanners approved pursuant to sections 13 and 17, have performed 7,500 CT equivalents in excess of an average of at least 10,000 CT equivalents per fixed CT scanner for the most recent continuous 12-month period preceding the applicant’s request. In computing this average, the Department will divide the total number of CT equivalents performed by the applicant’s total number of fixed CT scanners, including both operational and approved but not operational fixed CT scanners.

Motion: To adopt the changes suggested to Section 5 which would increase the volume necessary to expand a fixed CT service from 10,000 CT equivalents per CT scanner to 7,500 CT equivalents in excess of the average of 10,000 per CT scanner.

Proposal 4: Increase the minimum volume of CT equivalents to initiate any new CT service from 7,500 CT equivalents to 10,000.

Modify Section 3 (Initiation Criteria) as follows:

- (2) An applicant, other than an applicant meeting all of the applicable requirements of subsection (1), proposing to initiate a fixed CT scanner service shall project an operating level of at least ~~7,500~~ 10,000 CT equivalents per year for the second 12-month period after beginning operation of the CT scanner.

Motion: To adopt the changes suggested to Section 3 which would increase the requisite project volume to initiate a fixed CT scanner service from 7,500 CT equivalents to 10,000 CT equivalents.

CT Need Methodology Proposals

- 1. Maintain annual volume of CT equivalents to replace an existing CT scanner at 7,500.**
 - Allows existing CT services to replace their equipment under the current minimum volume requirement , including continue to exempt CT services who no longer meet the minimum volume requirement as defined under Section 7 (1) (b) of the CON Standards for CT.
 - Facilities who currently qualify to replace will continue to qualify to replace.
 - Facilities who do not currently qualify to replace will be no worse off.

- 2. Maintain current minimum volume requirement of 7,500 CT equivalents, but add a maximum volume of 10,000 CT equivalents before “excess” CT equivalents volume could be committed toward justifying an additional CT service in the community.**
 - Would preclude others wishing to use a current CT service’s excess CT equivalents to justify the initiation of a new CT service at a lower annual volume than the current CT service is required to meet in order to expand its service.
 - Allows existing CT services to apply for a replacement unit without committing themselves to a higher minimum volume.
 - Brings the CT standards more in line with the MRI standards by including a volume range which each CT scanner is capable of operating at to ensure that CT volumes being committed toward a new CT service truly represent “need” rather than just ensuring that existing units do not operate at capacity.
 - “Excess” CT equivalents will still be sufficient to justify new CT services, but would bring the standards more in line with MRI and the purpose of CON.
 - Currently at least 184 new CT units could be justified; this would decrease to 122.
 - Currently over 1.7 million excess CT equivalents; this would decrease to 1.2 million.

- 3. Increase volume of excess CT equivalents needed to expand a CT service from average of 10,000 CT equivalents per unit per year to 7,500 CT equivalents per service in excess of the average of 10,000 CT equivalents per unit.**
 - Ensures that existing units are running at capacity before additional units are approved.
 - Establishes the same volume requirement for expansion of current CT service that others wishing to use a current CT service’s excess CT equivalents to justify the initiation of a new CT service in that community.
 - Current standard would allow for 84 expansion units; this proposal would resulting in lowering this number of potential expansion units.

- 4. Increase the minimum volume of CT equivalents to initiate any new CT service from 7,500 CT equivalents to 10,000.**
 - While still maintaining a lower minimum volume once the service becomes operational, requiring an applicant to project above the minimum volume helps to ensure their ability to operate within the CON minimum volumes once operational.
 - CON is most effective up front, before capital is expended. Taking away a CON after it has been approved is extremely difficult and harder to justify because the money has already been spent.

Tipton, Margaret J. (Meg)

From: Betz, Bradford W.
Sent: Tuesday, November 16, 2010 9:54 PM
To: Tipton, Margaret J. (Meg)
Cc: Meeker, Robert A. (Bob)
Subject: FW: Article from DiagnosticImaging — CT, MR volumes starting to plunge, several experts say

Here is the article that discusses national decrease in CT volumes that I would distribute for discussion. BWB

From: DiagnosticImaging [donotreply@cmpmedica.com]
Sent: Tuesday, November 16, 2010 9:26 PM
To: breneb@aol.com
Subject: Article from DiagnosticImaging — CT, MR volumes starting to plunge, several experts say

The following content was sent to you by brad:

<http://www.diagnosticimaging.com/news/display/article/113619/1623289>

Diagnostic Imaging. Vol. 32 No. 7

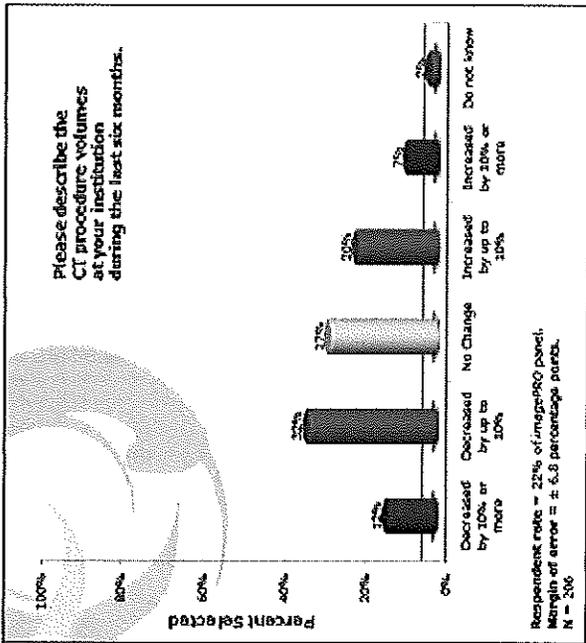
CT, MR volumes starting to plunge, several experts say

Exponential growth has leveled off due to the economy, radiation concerns, other factors

By Rebekah Moan and John C. Hayes | July 29, 2010

All across the country high-tech imaging volumes are flat or declining compared with last year. In years past, CT and MR imaging volumes experienced steady growth; but these days radiologists and other radiology stakeholders are noticing a change. At places such as Wake Forest University Baptist Medical Center in North Carolina, nearly every area of radiology grew by 5% to 7% each year for the past decade. That's not the case anymore. Compared with last year, CT volumes are down 7%, MR volumes are down 5%, and even ultrasound is down 1%. "This is quite typical of what is happening at many private and public institutions in the Southeast, as best I can tell," said Dr. Allen Elster, radiology chair at Wake Forest. "Some of the largest private groups in North Carolina are down in both CT and MRI by 10% or more this year." The decline is noticeable not just in the Southeast but across the country.

CT and MR volumes plateaued nationwide in the last half of 2009 and started to decline this year, according to Tom Cabot, vice president of Arlington Medical Resources, a medical data company. He declined to provide actual figures. The hospital market is flat but volume in the nonhospital market, mainly imaging centers, is declining, he said. Some of the drop in hospital CT volumes may have been moderated by increases in coronary CTA, a procedure not generally available in outpatient centers.



A poll of 206 hospital-based administrative directors and managers described imaging volumes at their facilities.

Even large companies are feeling the pinch. In its first-quarter earnings call, RadNet, a network of 175 owned and operated outpatient imaging centers in seven states, reported its procedure volumes were down between 5% and 10% from the same period last year. In particular, the first quarter showed a decrease in CT volume of 6.1%.

In a recent poll of 206 U.S. hospital-based administrative directors and managers by The MarketTech Group, 32% said in the past six months their CT volumes have decreased by up to 10%. Another 27% said they haven't noticed a change.

Many of those surveyed (40%) said the decrease in volume is somewhat related to radiation concerns.

There has been a lot of negative press about CT radiation dose and patients hear the horror stories. That then spills over into the medical community referring fewer CT scans, said Steven Renard, president and CEO of Diagnostic Radiology and Oncology Services, a development, management, and consulting firm with particular expertise in imaging centers.

Even without hard data, anecdotal reports suggest CT dose concerns could be a factor in scan volume reductions.

"It is hard to know what drives these changes—new scanners, poor economy, or radiation consciousness," said Dr. Fergus Coakley, a professor of radiology and biomedical imaging and the vice chair of clinical services at the University of California, San Francisco. "Nonetheless, having talked to several referring physicians and patients, my sense is that at least some of this is driven by greater fear of radiation, with fewer CTs being ordered. The number of CT scans performed per person in the U.S. is very high, and there is probably scope to reduce this number, partially by switching to MRI."

Two other factors for declining volumes are that payers want to acquire similar amounts of information with cheaper tests, so they aren't as willing to pay for CTs. Also, patients opt for less expensive tests for economic reasons, Renard said.

2009 Michigan Certificate of Need Annual Survey

11/10/2010

HSA	Type	Facility Name	Facility City	Fixed CT	Total CT Scans	Total CT Equivalents	Equivalents/ Scanner
1	H	BOTSFORD HOSPITAL	FARMINGTON HILLS	3	28,933	43,502	14,501
1	H	CHELSEA COMMUNITY HOSPITAL	CHELSEA	1	6,579	10,421	10,421
1	H	CHILDREN'S HOSPITAL OF MICHIGAN	DETROIT	1	6,005	8,924	8,924
1	H	CRITTENTON HOSPITAL MEDICAL CENTER	ROCHESTER	2	18,437	29,221	14,610
1	H	DETROIT RECEIVING HOSPITAL	DETROIT	2	21,506	31,417	15,709
1	H	DMC SURGERY HOSPITAL	MADISON HEIGHTS	1	492	726	726
1	H	DOCTORS' HOSPITAL OF MICHIGAN	PONTIAC	1	6,023	9,493	9,493
1	H	GARDEN CITY HOSPITAL	GARDEN CITY	2	21,034	31,839	15,919
1	H	HARPER UNIVERSITY HOSPITAL	DETROIT	3	38,384	62,916	20,972
1	H	HENRY FORD COTTAGE HOSPITAL	GROSSE Pointe Farms	1	5,483	8,293	8,293
1	H	HENRY FORD HOSPITAL	DETROIT	6	72,612	103,951	17,325
1	H	HENRY FORD MACOMB HOSPITAL	CLINTON TOWNSHIP	3	34,375	54,885	18,295
1	H	HENRY FORD MACOMB HOSPITAL - WARREN CAMP	WARREN	1	9,653	14,741	14,741
1	H	HENRY FORD WEST BLOOMFIELD HOSPITAL	WEST BLOOMFIELD	3	22,168	33,381	11,127
1	H	HENRY FORD WYANDOTTE HOSPITAL	WYANDOTTE	2	26,975	38,388	19,194
1	H	HURON VALLEY-SINAI HOSPITAL	COMMERCE	3	18,494	29,146	9,715
1	H	KARMANOS CANCER CENTER	DETROIT	1	1,440	2,570	2,570
1	H	MERCY MEMORIAL HOSPITAL	MONROE	2	24,520	38,182	19,091
1	H	MOUNT CLEMENS REGIONAL MEDICAL CENTER	MOUNT CLEMENS	3	35,241	56,081	18,694
1	H	OAKWOOD ANNAPOLIS HOSPITAL	WAYNE	2	20,664	32,050	16,025
1	H	OAKWOOD HERITAGE HOSPITAL	TAYLOR	2	15,056	23,374	11,687
1	H	OAKWOOD HOSPITAL AND MEDICAL CENTER	DEARBORN	3	55,309	87,091	29,030
1	H	OAKWOOD SOUTHSORE MEDICAL CENTER	TRENTON	1	21,236	34,346	34,346
1	H	POH MEDICAL CENTER	PONTIAC	2	6,861	10,545	5,273
1	H	PORT HURON HOSPITAL	PORT HURON	2	21,262	31,773	15,886
1	H	PROVIDENCE HOSPITAL AND MEDICAL CENTER	SOUTHFIELD	3	32,248	48,710	16,237
1	H	PROVIDENCE MEDICAL CENTER-PROVIDENCE PAR	NOVI	3	21,703	33,952	11,317
1	H	SINAI-GRACE HOSPITAL	DETROIT	3	34,724	51,597	17,199
1	H	ST. JOHN HOSPITAL & MEDICAL CENTER	DETROIT	4	37,026	56,510	14,128
1	H	ST. JOHN MACOMB-OAKLAND HOSP (MACOMB)	WARREN	3	32,549	52,272	17,424
1	H	ST. JOHN MACOMB-OAKLAND HOSP (OAKLAND)	MADISON HEIGHTS	2	14,109	22,504	11,252
1	H	ST. JOHN NORTH SHORES HOSPITAL	HARRISON TWP.	1	2,725	4,541	4,541
1	H	ST. JOHN RIVER DISTRICT HOSPITAL	EAST CHINA	1	4,445	6,285	6,285
1	H	ST. JOSEPH MERCY ANN ARBOR HOSPITAL	ANN ARBOR	3	51,693	84,044	28,015
1	H	ST. JOSEPH MERCY LIVINGSTON HOSPITAL	HOWELL	1	14,107	21,894	21,894
1	H	ST. JOSEPH MERCY OAKLAND HOSPITAL	PONTIAC	2	28,982	51,057	25,528

2009 Michigan Certificate of Need Annual Survey

11/10/2010

1	H	ST. JOSEPH MERCY PORT HURON HOSPITAL	PORT HURON	1	8,456	12,841	12,841
1	H	ST. JOSEPH MERCY SALINE HOSPITAL	SALINE	1	2,836	4,444	4,444
1	H	ST. MARY MERCY LIVONIA HOSPITAL	LIVONIA	3	31,030	48,720	16,240
1	H	TRIUMPH HOSPITAL DETROIT	DETROIT	1	165	349	349
1	H	UNIVERSITY OF MICHIGAN HOSPITALS	ANN ARBOR	11	89,745	153,213	13,928
1	H	WILLIAM BEAUMONT HOSPITAL, GROSSE POINTE	GROSSE POINTE	2	19,041	28,175	14,088
1	H	WILLIAM BEAUMONT HOSPITAL, ROYAL OAK	ROYAL OAK	9	92,851	145,668	16,185
1	H	WILLIAM BEAUMONT HOSPITAL, TROY	TROY	5	52,092	83,336	16,667
1	F	ADVANCED DENTAL IMAGING OF MICHIGAN PLLC	BLOOMFIELD HILLS	0	0	0	
1	F	AFFILIATED MEDICAL OF DEARBORN	DEARBORN	1	1,829	3,213	3,213
1	F	ASSOCIATED RADIOLOGISTS OF CLARKSTON	CLARKSTON	1	1,905	3,351	3,351
1	F	ASSOCIATED RADIOLOGISTS OF CLARKSTON	CLARKSTON	1	3,605	5,974	5,974
1	F	BALD MOUNTAIN DIAGNOSTIC IMAGING	LAKE ORION	1	679	1,159	1,159
1	F	BARCLAY IMAGING CENTER	ROCHESTER HILLS	1	204	382	382
1	F	BASHA DIAGNOSTICS, P.C.	ROYAL OAK	1	4,942	10,286	10,286
1	F	BEAUMONT MEDICAL CENTER NORTH MACOMB	MACOMB	1	5,319	9,069	9,069
1	F	BEAUMONT MEDICAL CENTER, LAKE ORION	LAKE ORION	1	2,099	3,609	3,609
1	F	BEAUMONT MEDICAL CENTER, ST. CLAIR SHORE	ST. CLAIR SHORES	1	1,613	3,086	3,086
1	F	BEAUMONT MEDICAL CENTER, WARREN	WARREN	1	1,253	2,130	2,130
1	F	BEAUMONT MEDICAL CENTER, WEST BLOOMFIELD	WEST BLOOMFIELD	1	4,102	7,493	7,493
1	F	BEAUMONT OUTPATIENT SERVICES AT UNASOURC	TROY	1	1,718	2,913	2,913
1	F	BEDFORD IMAGING CENTER	BEDFORD TOWNSHIP	1	44	73	73
1	F	BOTSFORD COMPREHENSIVE CANCER CENTER	FARMINGTON HILLS	1	695	1,203	1,203
1	F	CANTON HEALTH CENTER	CANTON	1	5,354	9,419	9,419
1	F	CAT SCAN CENTER OF CLARKSTON	CLARKSTON	1	2,673	4,730	4,730
1	F	CHELSEA COMMUNITY PROFESSIONAL BUILDING	CHELSEA	1	1,447	2,346	2,346
1	F	CHILDREN'S SPECIALTY CENTER-CLINTON TWP	CLINTON TOWNSHIP	1	159	254	254
1	F	CLARKSTON HEALTH CENTER	CLARKSTON	1	2,774	4,171	4,171
1	F	COMPREHENSIVE MEDICAL CENTER	ROYAL OAK	1	2,955	5,649	5,649
1	F	CONTEMPORARY IMAGING	NOVI	1	2,198	4,505	4,505
1	F	DR. L. REYNOLDS ASSOCIATES, PC	WARREN	1	516	774	774
1	F	DR. PRAMOD RAVAL, MD, PC	OAK PARK	1	2,772	4,981	4,981
1	F	DRS. HARRIS, BIRKILL, WANG, SONGE & ASS	DEARBORN	1	526	836	836
1	F	EAST ANN ARBOR HEALTH CENTER	ANN ARBOR	1	7,024	12,463	12,463
1	F	EASTLAND DIAGNOSTICS	ROSEVILLE	0	4,054	8,684	
1	F	FARMBROOK RADIOLOGY ASSOCIATES	SOUTHFIELD	1	2,026	4,257	4,257
1	F	GENERAL IMAGING SERVICES-ROCHESTER HILLS	ROCHESTER HILLS	1	1,989	3,549	3,549
1	F	HARPER METRO CT	CLINTON TWP	1	3,562	6,377	6,377

2009 Michigan Certificate of Need Annual Survey

11/10/2010

1	F	HEALTHFIRST IMAGING CENTER - HAGGERTY	WEST BLOOMFIELD	1	3,381	7,688	7,688
1	F	HEALTHFIRST IMAGING CENTER - WOODWARD	BERKLEY	1	2,349	5,444	5,444
1	F	HENRY FORD CENTER FOR HEALTH SERVICES	BROWNSTOWN	1	6,711	10,143	10,143
1	F	HENRY FORD MACOMB HEALTH CENTER - CHESTE	CHESTERFIELD TWP	1	928	1,619	1,619
1	F	HENRY FORD MEDICAL CENTER- FAIRLANE	DEARBORN	2	21,053	31,446	15,723
1	F	HENRY FORD STERLING HEIGHTS MEDICAL CENT	STERLING HEIGHTS	1	8,161	12,584	12,584
1	F	HURON VALLEY CT CENTER	YPSILANTI	1	2,220	3,659	3,659
1	F	INTERNAL MEDICINE ASSOCIATES OF MT. CLEM	MT. CLEMENS	1	3,233	6,288	6,288
1	F	JOSEPH R. NEMETH DDS	SOUTHFIELD	0	0	0	
1	F	LIFE SCAN IMAGING CORPORATION	WARREN	1	47	62	62
1	F	LIFETEST MICHIGAN, LLC	SOUTHFIELD	1	380	568	568
1	F	MICHIGAN BEST DIAGNOSTICS	HAMTRAMCK	1	0	0	
1	F	MICHIGAN HEAD AND SPINE INSTITUTE	NOVI	1	291	446	446
1	F	MICHIGAN HEART, PC	YPSILANTI	1	1,427	2,422	2,422
1	F	MICHIGAN INSTITUTE FOR NEUROLOGICAL DISO	FARMINGTON HILLS	1	412	519	519
1	F	MILLENNIUM DIAGNOSTIC CENTER	SOUTHFIELD	1	7,295	15,040	15,040
1	F	MISSION HEALTH MEDICAL CENTER- PROVIDENC	LIVONIA	1	915	1,535	1,535
1	F	NATIONAL DIAGNOSTIC CT ATHENS CLINIC	TAYLOR	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/ HIGHLAND	HIGHLAND	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/ RICHMOND	RICHMOND	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/BHI	BLOOMFIELD	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/DETRO	DETROIT	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/LIVON	LIVONIA	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/LIVON	LIVONIA	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/LIVON	LIVONIA	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/LIVON	LIVONIA	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/MADIS	MADISON HEIGHTS	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/NOVI	NOVI	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/ROSEV	ROSEVILLE	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/ST. H	STERLING HEIGHTS	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERV/TAYLO	TAYLOR	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERVICES, LLC (TAYLO	TAYLOR	0	0	0	
1	F	NATIONAL DIAGNOSTIC SERVICES-MILLENNIUM	DEARBORN	0	0	0	
1	F	NDS RADIOLOGY CT NOVI	NOVI	0	0	0	
1	F	NOVI REGIONAL IMAGING - SINAI HOSPITAL	NOVI	1	732	1,365	1,365
1	F	OAKLAND IMAGING SERVICES, PLLC	FARMINGTON HILLS	1	1,771	1,926	1,926
1	F	OAKLAND MEDICAL GROUP	MADISON HEIGHTS	1	4,488	7,904	7,904
1	F	OAKWOOD CANTON IMAGING	CANTON	1	1,357	2,674	2,674

2009 Michigan Certificate of Need Annual Survey

11/10/2010

1	F	OAKWOOD HEALTHCARE CENTER-CANTON	CANTON	1	3,757	5,888	5,888
1	F	OAKWOOD OUTPATIENT IMAGING	DEARBORN	1	11,849	20,555	20,555
1	F	POH MEDICAL CENTER - OXFORD	OXFORD	1	1,836	2,848	2,848
1	F	PREMIER IMAGING	PONTIAC	1	267	404	404
1	F	PROVIDENCE MED CTR - FARMINGTON HILLS	FARMINGTON HILLS	1	774	1,315	1,315
1	F	PROVIDENCE MEDICAL CENTER-FARMINGTON HIL	FARMINGTON HILLS	1	766	1,324	1,324
1	F	ROCHESTER DIAGNOSTIC CENTER	ROCHESTER	1	2,940	6,504	6,504
1	F	ROMEO PLANK DIAGNOSTIC CENTER	MACOMB TWP	1	3,695	6,804	6,804
1	F	ROSE IMAGING CENTER	FARMINGTON HILLS	1	1,082	1,863	1,863
1	F	SOUTHGATE CT, PLC	SOUTHGATE	1	3,353	7,836	7,836
1	F	ST. JOHN MEDICAL CENTER - MACOMB TOWNSHI	MACOMB TOWNSHIP	1	3,430	5,793	5,793
1	F	ST. JOSEPH MERCY CANTON HEALTH CENTER	CANTON	1	2,361	3,971	3,971
1	F	ST. JOSEPH MERCY HEALTH - CANTON	ANN ARBOR	1	222	366	366
1	F	THE CT CENTER	ROSEVILLE	1	647	877	877
1	F	UNIVERSAL IMAGING - DEARBORN HEIGHTS	DEARBORN HEIGHTS	0	0	0	
1	F	UNIVERSAL IMAGING, INC. - AUBURN HILLS	AUBURN HILLS	0	0	0	
1	F	UNIVERSAL IMAGING, INC. - YPSILANTI	YPSILANTI	0	0	0	
1	F	UNIVERSITY OF MICHIGAN SCHOOL OF DENTIST	ANN ARBOR	0	0	0	
1	F	VAN ELSLANDER CANCER CENTER	GROSSE Pointe Woods	1	838	1,465	1,465
1	F	WASHINGTON CENTER IMAGING SERVICES	UTICA	1	1,128	2,468	2,468
1	F	WOODLAND IMAGING CENTER, LLC	BRIGHTON	1	5,350	9,038	9,038
2	H	ALLEGIANCE HEALTH	JACKSON	2	39,406	60,892	30,446
2	H	CLINTON MEMORIAL HOSPITAL	ST JOHNS	1	6,014	9,225	9,225
2	H	EATON RAPIDS MEDICAL CENTER	EATON RAPIDS	1	2,627	4,248	4,248
2	H	EDWARD W SPARROW HOSPITAL	LANSING	3	50,248	73,531	24,510
2	H	EMMA L. BIXBY MEDICAL CENTER	ADRIAN	1	9,665	14,953	14,953
2	H	HAYES GREEN BEACH MEMORIAL HOSPITAL	CHARLOTTE	1	7,495	11,953	11,953
2	H	HERRICK MEDICAL CENTER	TECUMSEH	1	4,159	6,387	6,387
2	H	HILLSDALE COMMUNITY HEALTH CENTER	HILLSDALE	1	7,040	11,857	11,857
2	H	INGHAM REGIONAL MEDICAL CENTER	LANSING	2	26,041	40,728	20,364
2	H	SPARROW HEALTH SYSTEM - ST. LAWRENCE CAM	LANSING	2	14,268	22,419	11,210
2	F	ALLEGIANCE HEALTH OUTPATIENT FACILITY	JACKSON	1	4,160	7,064	7,064
2	F	CYNTHIA A RIDER D.M.D. ORAL SURGERY & DE	JACKSON	1	0	0	
2	F	INGHAM REGIONAL - GRAND LEDGE RADIOLOGY	GRAND LEDGE	1	1,460	2,640	2,640
2	F	MID-MICHIGAN MRI, INC. @ MSU	EAST LANSING	1	3,442	6,384	6,384
2	F	NATIONAL DIAGNOSTIC	JACKSON	0	0	0	
2	F	NATIONAL DIAGNOSTIC CT - ST. JOHN	ST. JOHNS	0	0	0	

2009 Michigan Certificate of Need Annual Survey

11/10/2010

2	F	NATIONAL DIAGNOSTIC SERV/BROOK	BROOKLYN	0	0	0	
2	F	SPARROW RAMBLEWOOD IMAGING CENTER	EAST LANSING	1	5,650	9,682	9,682
3	H	BATTLE CREEK HEALTH SYSTEM	BATTLE CREEK	2	20,916	31,679	15,840
3	H	BORGESS MEDICAL CENTER	KALAMAZOO	3	26,664	42,890	14,297
3	H	BORGESS-LEE MEMORIAL HOSPITAL	DOWAGIAC	1	3,836	5,998	5,998
3	H	BRONSON LAKEVIEW HOSPITAL	PAW PAW	1	5,724	8,632	8,632
3	H	BRONSON METHODIST HOSPITAL	KALAMAZOO	3	35,102	55,682	18,561
3	H	COMMUNITY HEALTH CENTER OF BRANCH COUNTY	COLDWATER	1	6,972	10,749	10,749
3	H	COMMUNITY HOSPITAL WATERVLIET	WATERVLIET	1	3,288	4,914	4,914
3	H	LAKELAND HOSPITAL, NILES	NILES	1	9,798	15,137	15,137
3	H	LAKELAND HOSPITAL, ST. JOSEPH	ST. JOSEPH	2	15,630	23,155	11,578
3	H	OAKLAWN HOSPITAL	MARSHALL	1	11,559	16,978	16,978
3	H	PENNOCK HOSPITAL	HASTINGS	1	4,864	7,467	7,467
3	H	SOUTH HAVEN COMMUNITY HOSPITAL	SOUTH HAVEN	1	5,368	8,349	8,349
3	H	STURGIS HOSPITAL	STURGIS	1	3,626	6,039	6,039
3	H	THREE RIVERS HEALTH	THREE RIVERS	1	4,090	5,693	5,693
3	F	BECKLEY ROAD MEDICAL IMAGING & OPEN MRI	BATTLE CREEK	1	2,880	4,821	4,821
3	F	BORGESS AT WOODBRIDGE HILLS	PORTAGE	1	1,944	3,247	3,247
3	F	BRONSON SERVICES, LLC	KALAMAZOO	1	5,356	8,624	8,624
3	F	CENTER FOR OUTPATIENT SERVICES	ST. JOSEPH	2	8,857	14,950	7,475
3	F	HEALTHCARE MIDWEST IMAGING CENTER	KALAMAZOO	1	1,538	2,423	2,423
3	F	KALAMAZOO ORAL AND MAXILLOFACIAL SURGERY	PORTAGE	0	0	0	
3	F	WEST MICHIGAN CANCER CENTER	KALAMAZOO	1	0	0	
3	F	WESTSIDE FAMILY MEDICAL CTR-BORGESS	KALAMAZOO	1	509	800	800
4	H	ALLEGAN GENERAL HOSPITAL	ALLEGAN	1	4,134	6,314	6,314
4	H	BORGESS-PIPP HOSPITAL	PLAINWELL	1	3,143	4,999	4,999
4	H	CARSON CITY HOSPITAL	CARSON CITY	1	3,749	5,679	5,679
4	H	GERBER MEMORIAL HOSPITAL	FREMONT	1	8,874	13,453	13,453
4	H	HOLLAND HOSPITAL	HOLLAND	2	18,657	29,820	14,910
4	H	MECOSTA COUNTY MEDICAL CENTER	BIG RAPIDS	1	7,028	11,087	11,087
4	H	MEMORIAL MEDICAL CENTER OF WEST MICHIGAN	LUDINGTON	2	4,487	7,564	3,782
4	H	MERCY HEALTH PARTNERS - HACKLEY CAMPUS	MUSKEGON	3	15,641	23,383	7,794
4	H	MERCY HEALTH PARTNERS - MERCY CAMPUS	MUSKEGON	2	16,072	25,012	12,506
4	H	MERCY HEALTH PARTNERS, LAKESHORE CAMPUS	SHELBY	0	2,637	3,906	
4	H	METROPOLITAN HOSPITAL	GRAND RAPIDS	3	15,787	24,791	8,264

2009 Michigan Certificate of Need Annual Survey

11/10/2010

4	H	NORTH OTTAWA COMMUNITY HOSPITAL	GRAND HAVEN	1	4,811	7,470	7,470
4	H	SAINT MARY'S HEALTH CARE	GRAND RAPIDS	2	32,107	49,531	24,765
4	H	SHERIDAN COMMUNITY HOSPITAL	SHERIDAN	1	2,083	3,310	3,310
4	H	SPARROW IONIA HOSPITAL	IONIA	1	4,398	6,732	6,732
4	H	SPECTRUM HEALTH BLODGETT HOSPITAL	GRAND RAPIDS	2	23,219	35,573	17,786
4	H	SPECTRUM HEALTH BUTTERWORTH HOSPITAL	GRAND RAPIDS	4	55,785	82,571	20,643
4	H	SPECTRUM HEALTH REED CITY HOSPITAL	REED CITY	1	3,506	5,301	5,301
4	H	SPECTRUM HEALTH UNITED MEMORIAL - KELSEY	LAKEVIEW	1	1,815	2,699	2,699
4	H	SPECTRUM HEALTH UNITED MEMORIAL - UNITED	GREENVILLE	1	10,242	16,613	16,613
4	H	ZEELAND COMMUNITY HOSPITAL	ZEELAND	0	6,381	10,136	#DIV/0!
4	F	ADVANCED UROLOGY OF GRAND RAPIDS	GRAND RAPIDS	1	115	277	277
4	F	EAST BELTLINE IMAGING	GRAND RAPIDS	1	1,136	1,979	1,979
4	F	HACKLEY HEALTH AT THE LAKES	MUSKEGON	1	735	1,217	1,217
4	F	HOLLAND HOSPITAL MEDICAL IMAGING CENTER	HOLLAND	1	2,472	4,126	4,126
4	F	LEMMEN HOLTON CANCER PAVILION	GRAND RAPIDS	2	7,455	12,552	6,276
4	F	MMPC	GRAND RAPIDS	1	7,393	13,558	13,558
4	F	SAINT MARY'S SOUTHWEST	BRYON CENTER	1	4,616	7,420	7,420
4	F	SMART BEAM 3D	GRAND RAPIDS	0	0	0	
4	F	SPECTRUM HEALTH - EVERGREEN IMAGING CTR	GRAND RAPIDS	1	3,254	5,274	5,274
4	F	SPECTRUM HEALTH SOUTH PAVILION	GRAND RAPIDS	1	6,152	9,838	9,838
4	F	SPECTRUM HEALTH WEST PAVILION	WYOMING	1	3,431	5,515	5,515
5	H	GENESYS REGIONAL MEDICAL CENTER	GRAND BLANC	3	36,762	58,045	19,348
5	H	HURLEY MEDICAL CENTER	FLINT	3	14,133	22,096	7,365
5	H	LAPEER REGIONAL MEDICAL CENTER	LAPEER	2	11,904	17,832	8,916
5	H	MCLAREN REGIONAL MEDICAL CENTER	FLINT	3	32,127	47,279	15,760
5	H	MEMORIAL HEALTHCARE	OWOSSO	1	9,320	13,758	13,758
5	F	CT CENTER OF FLINT LLC	FLINT	1	73	137	137
5	F	GENESYS PHYSICIANS INTEGRATED DIAGNOSTIC	BURTON	1	3,529	6,396	6,396
5	F	GENESYS PHYSICIANS INTEGRATED DIAGNOSTIC	CLIO	0	629	1,080	
5	F	GENESYS PHYSICIANS INTEGRATED DIAGNOSTIC	GRAND BLANC	0	3,738	6,815	
5	F	GREATER FLINT IMAGING-BALLENGER	FLINT	1	3,065	6,409	6,409
5	F	GREATER FLINT IMAGING-CENTER RD	BURTON	1	2,572	4,747	4,747
5	F	GREATER FLINT IMAGING-LAPEER	LAPEER	1	1,007	2,019	2,019
5	F	LAPEER COUNTY IMAGING, PC	LAPEER	1	0	0	
5	F	MCLAREN IMAGING CENTER	FLINT	1	8,308	15,834	15,834
5	F	MEMORIAL DIAGNOSTIC IMAGING	OWOSSO	1	721	1,154	1,154
5	F	MID MICHIGAN DIAGNOSTIC CORPORATION	FLINT	1	1,550	2,855	2,855

2009 Michigan Certificate of Need Annual Survey

11/10/2010

5	F	NATIONAL DIAGNOSTIC SERV/FLINT	FLINT	0	0	0	
5	F	NATIONAL DIAGNOSTIC SERVICES/ FENTON	FENTON	0	0	0	
5	F	REGIONAL MEDICAL IMAGING	GRAND BLANC	1	2,257	4,333	4,333
5	F	REGIONAL MEDICAL IMAGING	FENTON	1	1,787	3,402	3,402
6	H	BAY REGIONAL MEDICAL CENTER	BAY CITY	2	23,197	34,243	17,122
6	H	CARO COMMUNITY HOSPITAL	CARO	1	2,456	4,274	4,274
6	H	CENTRAL MICHIGAN COMMUNITY HOSPITAL	MT. PLEASANT	0	10,180	15,926	
6	H	COVENANT MEDICAL CENTER - COOPER	SAGINAW	3	39,787	62,769	20,923
6	H	GRATIOT MEDICAL CENTER	ALMA	1	9,708	14,878	14,878
6	H	HARBOR BEACH COMMUNITY HOSPITAL	HARBOR BEACH	1	764	1,172	1,172
6	H	HILLS & DALES GENERAL HOSPITAL	CASS CITY	1	2,168	3,943	3,943
6	H	HURON MEMORIAL HOSPITAL	BAD AXE	1	5,137	8,067	8,067
6	H	MIDMICHIGAN MEDICAL CENTER - GLADWIN	GLADWIN	1	4,036	6,255	6,255
6	H	MIDMICHIGAN MEDICAL CENTER CLARE	CLARE	1	7,605	11,937	11,937
6	H	MIDMICHIGAN MEDICAL CENTER-MIDLAND	MIDLAND	2	21,728	34,092	17,046
6	H	SCHEURER HOSPITAL	PIGEON	1	2,939	4,965	4,965
6	H	ST. JOSEPH HEALTH SYSTEM - TAWAS	TAWAS CITY	1	9,718	16,654	16,654
6	H	ST. MARY'S OF MICHIGAN	SAGINAW	2	25,330	38,534	19,267
6	H	ST. MARY'S OF MICHIGAN STANDISH HOSPITAL	STANDISH	1	3,248	5,056	5,056
6	H	WEST BRANCH REGIONAL MEDICAL CENTER	WEST BRANCH	2	11,959	20,635	10,318
6	F	COVENANT MEDICAL CENTER - MACKINAW	SAGINAW	1	5,017	10,749	10,749
6	F	MID MICHIGAN RADIOLOGY ASSOCIATES, P.C.	MT PLEASANT	1	1,360	2,238	2,238
6	F	ST. MARY'S MEDICAL IMAGING OF BAY CITY	BAY CITY	1	374	701	701
6	F	ST. MARY'S OF MICHIGAN TOWNE CENTRE	SAGINAW	1	11,107	17,198	17,198
6	F	WEST SIDE MEDICAL MALL	BAY CITY	1	2,019	3,312	3,312
7	H	ALPENA REGIONAL MEDICAL CENTER	ALPENA	2	11,970	18,724	9,362
7	H	CHARLEVOIX AREA HOSPITAL	CHARLEVOIX	1	2,835	4,488	4,488
7	H	CHEBOYGAN MEMORIAL HOSPITAL	CHEBOYGAN	1	11,212	17,068	17,068
7	H	DECKERVILLE COMMUNITY HOSPITAL	DECKERVILLE	1	253	261	261
7	H	KALKASKA MEMORIAL HEALTH CENTER	KALKASKA	1	2,154	3,280	3,280
7	H	MARLETTE REGIONAL HOSPITAL	MARLETTE	1	3,729	5,932	5,932
7	H	MCKENZIE MEMORIAL HOSPITAL	SANDUSKY	1	2,297	3,335	3,335
7	H	MERCY HOSPITAL	CADILLAC	1	10,752	17,133	17,133
7	H	MERCY HOSPITAL - GRAYLING	GRAYLING	1	8,661	13,307	13,307
7	H	MUNSON MEDICAL CENTER	TRAVERSE CITY	3	34,186	52,807	17,602

2009 Michigan Certificate of Need Annual Survey

11/10/2010

7	H	NORTHERN MICHIGAN REGIONAL HOSPITAL	PETOSKEY	2	18,258	29,555	14,778
7	H	OTSEGO MEMORIAL HOSPITAL	GAYLORD	1	6,621	10,342	10,342
7	H	PAUL OLIVER MEMORIAL HOSPITAL	FRANKFORT	1	1,670	2,570	2,570
7	H	WEST SHORE MEDICAL CENTER	MANISTEE	1	4,728	7,413	7,413
7	F	GREAT LAKES MRI SPECIALISTS	GAYLORD	1	109	202	202
7	F	THEODORE D. FREELAND, DDS, MS, PC	GAYLORD	0	0	0	
8	H	ASPIRUS KEWEENAW HOSPITAL	LAURIUM	1	3,574	5,525	5,525
8	H	ASPIRUS ONTONAGON HOSPITAL	ONTONAGON	1	958	1,507	1,507
8	H	BARAGA COUNTY MEMORIAL HOSPITAL	L'ANSE	1	1,157	2,012	2,012
8	H	BELL MEMORIAL HOSPITAL	ISHPEMING	1	3,594	5,925	5,925
8	H	CHIPPEWA COUNTY WAR MEMORIAL HOSPITAL	SAULT STE MARIE	1	9,186	16,789	16,789
8	H	DICKINSON COUNTY HEALTHCARE SYSTEM	IRON MOUNTAIN	2	8,078	12,946	6,473
8	H	HELEN NEWBERRY JOY HOSPITAL	NEWBERRY	1	2,704	4,077	4,077
8	H	MACKINAC STRAITS HEALTH SYSTEM, INC.	ST. IGANCE	1	1,883	2,927	2,927
8	H	MARQUETTE GENERAL HEALTH SYSTEM	MARQUETTE	3	16,621	28,817	9,606
8	H	MUNISING MEMORIAL HOSPITAL	MUNISING	1	1,742	2,865	2,865
8	H	NORTHSTAR HEALTH SYSTEM	IRON RIVER	1	2,672	4,167	4,167
8	H	PORTAGE HOSPITAL	HANCOCK	1	5,905	9,227	9,227
8	H	SCHOOLCRAFT MEMORIAL HOSPITAL	MANISTIQUE	1	1,960	3,512	3,512
8	H	ST. FRANCIS HOSPITAL	ESCANABA	1	9,142	18,061	18,061