

**MICHIGAN DEPARTMENT OF COMMUNITY HEALTH  
OPEN HEART SURGERY (OHS) STANDARD ADVISORY COMMITTEE (SAC)  
MEETING**

Tuesday, May 15, 2007

Capitol View Building  
201 Townsend Street  
MDCH Conference Center  
Lansing, Michigan 48913

**APPROVED MINUTES**

**I. Call To Order**

Chairperson Delaney called the meeting to order at 10:17 a.m.

A. Members Present:

Frederick R. Armenti, MD, Michigan Society of Thoracic & Cardiovascular Surgeons  
James Delaney, Chairperson, Michigan Purchasers Health Alliance  
Aaron Kugelmass, MD, Henry Ford Health System  
Tammy Lundstrom, MD, The Detroit Medical Center  
Lawrence H. Patzelt, MD, West Michigan Cardiothoracic Surgeons PLC  
Richard L. Prager, MD, University of Michigan  
Jeannette L. Prochazka, RN, Borgess Health  
Dagmar Raica, RN, Vice Chairperson, Marquette General  
Sandy L. Reoma, Blue Cross Blue Shield of Michigan  
Marc P. Sakwa, MD, William Beaumont Hospital  
K. Sue Schaeffer, Munson Medical Center (Alternate)

B. Members Absent:

Robert Alpert, AFL – CIO  
Robert F. Stanton, Munson Medical Center

C. Michigan Department of Community Health Staff Present:

Umbrin Ateequi  
Jan Christensen  
Bill Hart  
Larry Horvath  
John Hubinger  
Irma Lopez  
Andrea Moore  
Stan Nash  
Taleitha Pytlowanyj  
Brenda Rogers

**II. Declaration of Conflicts of Interest**

None were stated.

**III. Review of Agenda**

Motion by Dr. Armenti, seconded by Dr. Lundstrom, to accept the agenda as presented. Motion Carried.

**IV. Review of Minutes – April 19, 2007**

Motion by Ms. Reoma, seconded by Dr. Lundstrom, to approve the minutes as presented. Motion Carried.

**V. MDCH Comments**

Ms. Ateequi stated the Department's request for the Committee to address Public Reporting. She also brought forth the Department's recommendations regarding MIDB data commitments. Discussion followed.

The SAC made no changes to its previously recommended decisions.

**VI. Review of Updated ICD-9-CM Codes for Open Heart Surgery Procedures and Impact on Volumes**

A. Discussion

Ms. Ateequi provided an update and a spreadsheet (Attachment A) regarding the changes the Committee made to the ICD-9-Codes at the April 19 meeting. She also provided the Committee with a spreadsheet (Attachment B) that demonstrated the effects on the volunteer hospitals' volumes with the revised codes. Discussion followed.

Break from 10:57 a.m. to 11:16 a.m.

Mr. Nash provided insight on the new coding and the changes that were shown on the spreadsheet (Attachment B). Mr. Nash also requested the Committee to rethink code number 37.27 (Cardiac Mapping). Discussion followed.

Motion by Ms. Prochazka, seconded by Dr. Sakwa, to remove code 37.27 from the list of ICD-9-Codes. Motion Carried.

B. Public Comment

Frank Veltri, St. John Health

Lunch Break from 12:04 p.m. to 1:12 p.m.

C. Methodology Revision Recommendations

The Committee decided that Dr. Lundstrom and Ms. Prochazka will continue to work with Mr. Nash and the Department to closely look at all ICD-9-Codes, and update the Major ICD-9-CM Code Groups listed in the methodology section of the standards.. Discussion followed.

Public Comment

Mark Mailloux, University of Michigan

**VII. Discussion of Charge Issue: Review and Determine Minimum Institutional and Physician Volume Requirements**

Mr. Horvath clarified the current volume requirements and enforcement actions. He also presented the Committee with a spreadsheet (Attachment C) showing the Open Heart Surgery Programs in Michigan, the volumes they are currently required to meet, and the actual volumes they are currently at. Discussion followed.

Motion by Dr. Lundstrom, seconded by Dr. Patzelt, to draft language that requires Open Heart Surgery Programs to share their quality data with the Department or its designee if they fall below the volume requirement. Motion Carried.

Motion by Dr. Lundstrom, seconded by Dr. Armenti, to have the Department work with MSTCVS to further refine what quality means in regards to Open Heart Surgery, over the next year. Motion Carried.

Motion by Dr. Lundstrom, seconded by Dr. Armenti, to require new programs to meet an initiation volume of 300 and a maintenance volume of 200.

Motion by Dr. Lundstrom, seconded by Dr. Kugelmass, to table the Lundstrom/Armenti Motion to the next meeting on June 5. Motion Carried.

Public Comment

Barbara Jackson, Economic Alliance for Michigan

After discussion, it was agreed that Barbara Jackson would ask Larry Horwitz to prepare a written statement as to how the current volumes were developed for the June meeting.

**VIII. Review of "Consulting Agreement" – Section (2) of OHS CON Review Standards (Requirements for Initiation)**

The Committee decided to wait until the next meeting to discuss this item.

**IX. Review of suggested changes to the CON Review Standards for Open Heart Surgery Services**

Dr. Armenti suggested that the Committee look at Section 7(g). Ms. Rogers requested that the Committee look at the draft language (Ms. Ateequi will email the latest draft) and any suggestions that they have be e-mailed to the whole group. She stated that the Department will take all the suggestions and edit the language accordingly, to be presented back to the Committee at the next meeting. Discussion followed.

**X. Future Meeting Dates**

June 5, 2007  
July 11, 2007 (if needed)

**XI. Adjournment**

Motion by Dr. Sakwa, seconded by Dr. Lundstrom, to adjourn the meeting at 3:17 p.m. Motion Carried.

## ICD-9-CM Codes Appropriate of Open Heart Surgery (2006)

	<b>ICD-9-CM 2006 Codes (Open Heart Surgery Procedures)</b>	<b>MDCH Annual Survey</b>
<b>35 Operations on valves and septa of heart</b>		
35.10 Open heart valvuloplasty without replacement, unspecified valve		
35.11 Open heart valvuloplasty of aortic valve without replacement		
35.12 Open heart valvuloplasty of mitral valve without replacement		
35.13 Open heart valvuloplasty of pulmonary valve without replacement		
35.14 Open heart valvuloplasty of tricuspid valve without replacement		
35.20 Replacement of unspecified heart valve		
35.21 Replacement of aortic valve with tissue graft		
35.22 Other replacement of aortic valve		
35.23 Replacement of mitral valve with tissue graft		
35.24 Other replacement of mitral valve		
35.25 Replacement of pulmonary valve with tissue graft		
35.26 Other replacement of pulmonary valve		
35.27 Replacement of tricuspid valve with tissue graft		
35.28 Other replacement of tricuspid valve		
35.31 Operations on papillary muscle		
35.32 Operations on chordae tendineae		
35.33 Annuloplasty		
35.34 Infundibulectomy		
35.35 Operations on trabeculae carneae cordis		
35.39 Operations on other structures adjacent to valves of heart		
35.41 Enlargement of existing atrial septal defect		
35.42 Creation of septal defect in heart		
35.50 Repair of unspecified septal defect of heart with prosthesis		
35.51 Repair of atrial septal defect with prosthesis, open technique		
35.53 Repair of ventricular septal defect with prosthesis		
35.54 Repair of endocardial cushion defect with prosthesis		
35.60 Repair of unspecified septal defect of heart with tissue graft		
35.61 Repair of atrial septal defect with tissue graft		
35.62 Repair of ventricular septal defect with tissue graft		
35.63 Repair of endocardial cushion defect with tissue graft		
35.70 Other and unspecified repair of atrial and ventricular septa		
35.71 Other and unspecified repair of atrial septal defect		
35.72 Other and unspecified repair of ventricular septal defect		
35.73 Other and unspecified repair of endocardial cushion defect		
35.81 Total repair of tetralogy of Fallot		
35.82 Total repair of total anomalous pulmonary venous connection		
35.83 Total repair of truncus arteriosus		
35.84 Total correction of transposition of great vessels, not elsewhere classified		
35.91 Interatrial transposition of venous return		
35.92 Creation of conduit between right ventricle and pulmonary artery		

## ICD-9-CM Codes Appropriate of Open Heart Surgery (2006)

35.93	Creation of conduit between left ventricle and pulmonary artery	
35.94	Creation of conduit between atrium and pulmonary artery	
35.95	Revision of corrective procedure on heart	
<b>36</b>	<b>Operations on vessels of heart</b>	
36.03	Open chest coronary artery angioplasty	
	<i>CABG Procedure Codes:</i>	
36.10	Aortocoronary bypass for heart revascularization, not otherwise specified	
36.11	(Aorto)coronary bypass of one coronary artery	
36.12	(Aorto)coronary bypass of two coronary arteries	
36.13	(Aorto)coronary bypass of three coronary arteries	
36.14	(Aorto)coronary bypass of four or more coronary arteries	
36.15	Single internal mammary-coronary artery bypass	
36.16	Double internal mammary-coronary artery bypass	
36.17	Abdominal-coronary artery bypss	
36.19	Other bypass anastomosis for heart revascularization	
36.2	Heart revascularization by arterial implant	
36.31	Open chest transmyocardial revascularization	
36.32	Other transmyocardial revascularization	
36.39	Other heart revascularization	
36.91	Repair of aneurysm of coronary vessel	
36.99	Other operations on vessels of heart	
<b>37</b>	<b>Other operations on heart and pericardium</b>	
37.10	Incision of heart, not otherwise specified	
37.11	Cardiotomy	
37.12	Pericardiotomy	
37.27	Cardiac mapping	
37.31	Pericardiectomy	
37.32	Excision of aneurysm of heart	
37.33	Excision of destruction of other lesion or tissue of heart, open approach	
37.34	Excision or destruction of other lesion or tissue of heart, other approach	
37.35	Partial ventriculectomy	
37.41	Implantation of prosthetic cardiac support device around the heart	
37.49	Other repair of heart and pericardium	
37.62	Insertion of non-implantable heart assist system	
37.63	Repair of heart assist system	
37.64	Removal of heart assist system	
	[Exclude nonoperative removal of heart assist system - 97.44]	
37.65	Implant of external heart assist system	
37.66	Insertion of implantable heart assist system	
37.67	Implantation of cardiomyostimulation system	
37.74	Insertion or replacement of epicardial lead [electrode] into epicardium	
37.77	Removal of lead(s) [electrode] without replacement	

## ICD-9-CM Codes Appropriate of Open Heart Surgery (2006)

	<b>38 Incision, excision, and occlusion of vessels</b>	
38.05	Incision of other thoracic vessels [Innominate, pulmonary (artery, vein) subclavian, superior vena cava]	
38.15	Enderectomy of other thoracic vessel	
38.35	Resection of other thoracic vessel with anastomosis	
38.45	Resection of other thoracic vessel with replacement	
38.65	Other excision of other thoracic vessels	
38.85	Other surgical occlusion of other thoracic vessels	
	<b>39 Other operations on vessels</b>	
39.00	Systematic to pulmonary artery shunt	
39.21	Caval-pulmonary artery anastomosis	
39.22	Aorta-subclavian-carotid bypass	
39.23	Other intrathoracic vascular shunt or bypass [Intrathoracic (arterial) bypass graft NOS]	
39.54	Re-entry operation (aorta)	
39.61	Extracorporeal circulation auxiliary to open heart surgery [All On-pump Surgical Procedures]	
39.62	Hypothermia (systemic) incidental to open heart surgery	
39.73	Endovascular implantation of graft in thoracic aorta	

## OHS Volume Runs (2005 Data)

<b>Hospital</b>	<b>2005 MDCH Survey Volume</b>	<b>2005 Volume w/ Revised Codes</b>	<b>Variance</b>
St. Joseph Mercy Hospital (Ann Arbor)	765	682	83
Sinai-Grace Hospital	171	158	13
Harper University Hospital	243	187	56
<b>2 Large Hospitals</b>	<b>1,736</b>	<b>1,624</b>	<b>112</b>
	<b>2005 MDCH Survey Volume</b>	Revised Codes + 37.61 (...balloon)	
St. Joseph Mercy Hospital (Ann Arbor)	765	734	31
Sinai-Grace Hospital	171	162	9
Harper University Hospital	243	202	41
<b>2 Large Hospitals</b>	<b>1,736</b>	<b>1,746</b>	<b>+10</b>

## 2003-2006 Adult Open Heart Surgery Services Utilization List

Open Heart Programs Required to Meet **300** Volume Requirement (effective Feb 13, 1993)

Hospital	Facility No.	CON No.	Appr. Date	2003	2004	2005	2006
W.A. Foote Memorial Hospital	38.0010	06-0211	9/21/2006				0
MidMichigan Medical Center	56.0020	06-0117	9/15/2006				0
Wm. Beaumont Hosp. - Troy <sup>1</sup> (12/1/2006)	63.0160	02-0241	4/1/2003	6	254	290	339
Crittenton Hospital <sup>1</sup> (10/11/2007)	63.0070	02-0174	12/23/2002	0	24	91	88
St. John Macomb Hospital <sup>1</sup> (8/12/2005)	50.0070	00-0173	6/7/2001	136	206	194	264
St. Joseph's Medical Center	50.0110	00-0166	1/2/2001	122	208	313	306
Sinai-Grace Hospital	83.0210	99-0074	6/10/1999	100	141	171	218
Bay Medical Center	09.0050	98-0001	7/1/1998	242	256	288	397

Open Heart Programs Required to Meet **200** Volume Requirement

Hospital	Facility No.	CON No.	Appr. Date	2003	2004	2005	2006
Sparrow Edward W. Hospital*	33.0060	92-0144	9/1/1993	355	273	395	410
Mt. Clemens General Hospital	50.0060	88-0422	2/3/1992	278	251	369	263
Covenant Medical Center - North	73.0040	90-0285	4/2/1991	643	617	449	439
Port Huron Hospital	74.0020	89-0057	11/26/1990	156	184	237	163
Munson Medical Center	28.0010	87-0021	6/8/1989	662	650	642	645
Providence Hospital	63.0130	87-0025	5/15/1989	458	344	325	311
Bronson Methodist Hospital	39.0020	85-0242	12/5/1988	246	326	297	334
Oakwood Hosp & MC-Dearborn	82.0120	65-0247	10/31/1988	958	915	772	813
Lakeland Med. Cntr. - St. Joseph	11.0050	82-0008	4/19/1982	146	134	180	191
Mercy General Health Partners	61.0020	79-0109	3/3/1981	334	307	294	295
St. Joseph Mercy Hosp/Oakland	63.0140	79-0034	7/3/1979	287	272	218	255

## "Grandfathered" Open Heart Programs (No Volume Requirement)

Hospital	Facility No.	CON No.	Appr. Date	2003	2004	2005	2006
Borgess Medical Center	39.0010	60-0001	2	789	732	682	653
Genesys Regional Medical Center	25.0072	60-0002	2	559	562	493	532
Harper Hospital	83.0220	60-0015	2	282	243	243	200
Henry Ford Hospital	83.0190	60-0014	2	457	350	561	447
Ingham Reg Med Ctr/Greenlawn	33.0010	60-0005	2	369	374	338	382
Marquette General Hospital	52.0050	60-0004	2	414	370	292	237
McLaren Regional Medical Center	25.0050	60-0018	2	632	557	507	478
Northern Michigan Hospital	24.0030	60-0003	2	324	408	252	259
Spectrum Health - Butterworth	41.0040	60-0008	2	593	559	1070	1045
St. John Hospital & Medical Center	83.0420	60-0016	2	728	659	540	540
St. Joseph Mercy Hospital	81.0030	60-0010	2	762	825	765	742
St. Mary's Med Ctr - Washington Avenue	73.0050	60-0006	2	832	628	586	460
University of Michigan Hospitals	81.0060	60-0011	2	766	905	821	869
Wm. Beaumont Hosp. - Royal Oak	63.0030	60-0009	2	1,211	1,040	1,004	845

## Notes:

1. Volume check not required until third year of operation - Section 7 (1)(l) of the Standards (date volume check due).
2. Open heart surgery program started prior to CON volume requirement.

\* Settlement Agreement.