

**MICHIGAN DEPARTMENT OF COMMUNITY HEALTH  
BONE MARROW TRANSPLANTATION SERVICES  
STANDARD ADVISORY COMMITTEE (BMTSAC) MEETING**

Tuesday, June 2, 2009

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

**APPROVED MINUTES**

**I. Call to Order**

Chairperson VeCasey called the meeting to order at 9:04 a.m.

**A. Members Present:**

Paul Adams, MD, Vice-Chairperson, Self  
Aly Abdel-Mageed, MD, Spectrum Health  
Adil Akhtar, MD, Beaumont Hospitals  
Mary Marks, Alliance for Health  
Thomas Ruane, MD, Blue Cross Blue Shield/Blue Care Network  
Elna Saah, MD, Michigan State University  
Samuel Silver, MD, University of Michigan Health System  
Jeffrey Trent, MD PhD, VanAndel Research Institute (left at 11:58 a.m.)  
Joseph Uberti, MD PhD, Barbara Ann Karmanos Cancer Institute  
Amy Vanderwoude, MD, Cancer & Hematology Centers of West Michigan  
Donald VeCasey, Chairperson, consumer Health Care Coalition  
Michael Wiemann, MD FACP, St. John Health System

**B. Members Absent:**

Grant Grace, UAW  
Nalini Janakiraman, MD, Henry Ford Health System

**C. Michigan Department of Community Health Staff Present:**

Jessica Austin  
Sallie Flanders  
Kasi Kelley  
Irma Lopez  
Andrea Moore  
Tania Rodriguez  
Brenda Rogers  
Nick Lyon  
Bill Hart

**II. Introduction of Member and Staff**

Members and Staff gave introductions.

**III. Declaration of Conflicts of Interests**

Ms. Rogers gave overview of the definition of a conflict of Interests.

Dr. Silver wanted it to be on the record that part of his salary is derived from Blue Cross Blue Shield of Michigan for Quality Initiatives.

**IV. Review of Agenda**

Chairperson VeCasey gave overview of Agenda.

Motion by Dr. Akhtar, seconded by Dr. Abdel-Mageed, to accept the agenda as presented.  
Motion Carried.

**V. Basic CON Overview**

Ms. Rogers reviewed the development of CON and provided a brief overview of CON including the CON Review Standards for Bone Marrow Transplantation Services.

**VI. Review and Discussion of Charge**

Chairperson VeCasey gave an overview of the Charge. Discussion followed.

Dr. Akhtar provided information on "Annual Estimates of the Resident Population for the United States". (Attachment A) Discussion Followed.

**VII. Background Material**

Break at 10:15 a.m. – 10:27 a.m.

Ms. Kelley gave an overview of background information. Discussion followed.

Motion by Dr. Akhtar, seconded by Dr. Ruane, to discontinue regulation of BMT. Motion failed.

Motion by Dr. Trent, seconded by Dr. Saah to continue regulation of BMT. Motion Carried.

**VIII. Next Steps**

The July 8, 2009 meeting will continue fact gathering activities with presentations.

**IX. Future Meeting Dates**

July 8, 2009  
July 29, 2009  
August 28, 2009  
September 24, 2009  
October 22, 2009  
November 18, 2009

**X. Public Comments**

Bob Meeker, Spectrum Health  
Patrick O'Donovan, Beaumont Hospital  
Dennis McCafferty, Economic Alliance for Michigan

Discussion followed.

Dr. Akhtar, Dr. Wiemann, and Spectrum offered to provide a presentation for the next meeting on July 8, 2009.

**XI. Adjournment**

Motion by Dr. Saah, seconded by Dr. Abdel-Mageed, to adjourn the meeting at 12:05 p.m.  
Motion Carried.

8 attachments  
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Information provided  
by DR. AKhtar to BMT SAC  
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Table 1. Annual Estimates of the Resident Population for the United States					
Geographic Area	BMT Programs	Population Estimates			Programs per million
			July 1, 2008	million	
United States			304,059,724	million	
Rhode Island	1	Yes	1,050,788	1.0508	0.951666749
New York	10	Yes	19,790,297	19.4903	0.513075814
Michigan	5	Yes	10,003,422	10.0034	0.499828959
Kentucky	2	Yes	4,269,245	4.2692	0.468466907
Florida	7	Yes	18,328,340	18.3283	0.381922204
North Carolina	3	Yes	9,222,414	9.2224	0.325294441
Washington	2	Yes	6,549,224	6.5492	0.305379691
West Virginia	1	Yes	1,814,468	1.8145	0.551125729
Maryland	3	Yes	5,633,597	5.6336	0.532519454
Maine	0	No	1,316,456	1.3165	0
District of Columbia	2	No	591,833	0.5918	3.37933167
South Dakota	1	No	804,194	0.8042	1.243481051
Delaware	1	No	873,092	0.8731	1.145354671
Missouri	5	No	5,911,605	5.9116	0.845793993
Hawaii	1	No	1,288,198	1.2882	0.776278181
Massachusetts	5	No	6,497,967	6.4980	0.769471436
New Hampshire	1	No	1,315,809	1.3158	0.759988722
Utah	2	No	2,736,424	2.7364	0.730880887
Pennsylvania	9	No	12,448,279	12.4483	0.722991508
Colorado	3	No	4,939,456	4.9395	0.607354332
Nebraska	1	No	1,783,432	1.7834	0.560716641
Wisconsin	3	No	5,627,967	5.6280	0.533052166
Ohio	6	No	11,485,910	11.4859	0.522379158
Tennessee	3	No	6,214,888	6.2149	0.482711836
Illinois	6	No	12,901,563	12.9016	0.465059931
Arizona	3	No	6,500,180	6.5002	0.461525681
Louisiana	2	No	4,410,796	4.4108	0.453432895
Minnesota	2	No	5,220,393	5.2204	0.383112919
Texas	9	No	24,326,974	24.3270	0.3699597
Kansas	1	No	2,802,134	2.8021	0.356870871
California	13	No	36,756,666	36.7567	0.353677344
Arkansas	1	No	2,855,390	2.8554	0.350214857
Mississippi	1	No	2,938,618	2.9386	0.340296017
Iowa	1	No	3,002,555	3.0026	0.333049686
Indiana	2	No	6,376,792	6.3768	0.313637327
Georgia	3	No	9,685,744	9.6857	0.309733563
Connecticut	1	No	3,501,252	3.5013	0.285612118
Oklahoma	1	No	3,642,361	3.6424	0.274547196
Oregon	1	No	3,790,060	3.7901	0.263848066
Virginia	2	No	7,769,089	7.7691	0.25743044
New Jersey	2	No	8,682,661	8.6827	0.230344131
South Carolina	1	No	4,479,800	4.4798	0.223224251
Alabama	1	No	4,661,900	4.6619	0.214504816
Alaska	0	No	686,293	0.6863	0
Idaho	0	No	1,523,816	1.5238	0
Montana	0	No	967,440	0.9674	0
Nevada	0	No	2,600,167	2.6002	0
New Mexico	0	No	1,984,356	1.9844	0
North Dakota	0	No	641,481	0.6415	0
Vermont	0	No	621,270	0.6213	0
Wyoming	0	No	532,668	0.5327	0

Center Name	City	State	BMJ	Low Cost	High Cost	CON
West Virginia University Hospitals, Inc.	Morgantown	WV	58	\$42,154	\$42,154	Yes
Seattle Cancer Care Alliance	Seattle	WA	410	\$68,615	\$138,800	Yes
VA Puget Sound Health Care System	Seattle	WA				Yes
Roger Williams Medical Center	Providence	RJ	14	\$28,750	\$53,100	Yes
Memorial Sloan-Kettering Cancer Center	New York	NY	140	\$33,139	\$95,085	Yes
Montefiore Medical Center	Bronx	NY	69	\$29,550	\$87,800	Yes
Mount Sinai Hospital	New York	NY	119	\$28,410	\$88,470	Yes
New York Presbyterian Hospital at Cornell	New York	NY	107	\$44,750	\$117,500	Yes
North Shore University Hospital	Manhasset	NY	63	\$16,335	\$47,215	Yes
Roswell Park Cancer Institute	Buffalo	NY	100	\$28,410	\$88,470	Yes
Schneider Children's Hospital	New Hyde Park	NY	24	\$28,410	\$88,470	Yes
Strong Memorial Hospital	Rochester	NY	79	\$28,565	\$91,340	Yes
The Children's Hospital of New York	New York	NY	93	\$60,123	\$101,280	Yes
Zalman A. Arlin Cancer Institute	Hawthorne	NY	50	\$42,632	\$132,706	Yes
Duke University Medical Center	Durham	NC	230	\$52,683	\$160,659	Yes
UNC Hospitals	Chapel Hill	NC	116	\$69,487	\$107,998	Yes
Wake Forest University Baptist Medical Center	Winston Salem	NC	85	\$53,160	\$132,160	Yes
Children's Hospital of Michigan	Detroit	MI	22	\$56,350	\$174,570	Yes
Helen DeVos Children's Hospital	Grand Rapids	MI	15	\$39,741	\$129,858	Yes
Henry Ford Health System	Detroit	MI	32	\$28,410	\$88,440	Yes
Karmanos Cancer Institute	Detroit	MI	230			Yes
University of Michigan Medical Center	Ann Arbor	MI	253	\$19,248	\$119,248	Yes
Greenebaum Cancer Center	Baltimore	MD	104	\$28,430	\$88,470	Yes
Johns Hopkins University	Baltimore	MD	187			Yes
National Institutes of Health	Bethesda	MD	72			Yes
Univ Medical Center - Univ of Louisville Hosp	Louisville	KY	66	\$27,358	\$169,808	Yes
University of Kentucky Medical Center	Coxington	KY	55	\$39,500	\$97,760	Yes
All Children's Hospital	St. Petersburg	FL	29	\$28,410	\$88,470	Yes
H. Lee Moffitt Cancer Center & Research Inst.	Tampa	FL	243	\$61,685	\$161,685	Yes
Mayo Clinic Jacksonville (Pediatrics)	Jacksonville	FL	10	\$17,779	\$82,855	Yes
Mayo Clinic Jacksonville Mayo Hospital	Jacksonville	FL	32	\$28,410	\$88,470	Yes
Miami Children's Hospital	Miami	FL	14	\$70,800	\$70,800	Yes
Shands Hospital - University of Florida	Gainesville	FL	73	\$59,400	\$158,949	Yes
University of Miami	Miami	FL	51	\$28,410	\$88,470	Yes
Children's Hospital of Wisconsin	Milwaukee	WI	43	\$68,330	\$181,801	No
Froedert Memorial Lutheran Hosp. Can. Ctr.	Milwaukee	WI	452	\$30,202	\$30,202	No
University of Wisconsin Hospital & Clinics	Madison	WI	107	\$77,432	\$197,634	No
INOVA Fairfax Hospital	Fairfax	VA	38	\$20,225	\$46,650	No
VCU Massey Cancer Center	Richmond	VA	120	\$84,219	\$85,693	No
LDS Hospital	Salt Lake City	UT	58	\$28,690	\$62,800	No
University of Utah	Salt Lake City	UT	143	\$36,450	\$110,590	No
Baylor University Medical Center	Dallas	TX	234	\$54,826	\$116,273	No
Children's Medical Center of Dallas	Dallas	TX	23	\$138,249	\$142,209	No
Cook Children's Medical Center	Fort Worth	TX				No
M.D. Anderson Cancer Center	Houston	TX	887	\$60,600	\$112,282	No
Medical City Dallas Hospital	Dallas	TX	77	\$34,092	\$106,164	No
Texas Children's Hospital	Houston	TX	123	\$28,410	\$88,470	No
Texas Tech University Health Sciences Center	Lubbock	TX	18	\$28,410	\$110,637	No
Texas Transplant Institute	San Antonio	TX	45	\$113,632	\$120,150	No
The University of Texas	Dallas	TX	60	\$28,410	\$88,470	No
St. Jude Children's Research Hospital	Memphis	TN	136	\$28,410	\$88,470	No
UT Blood & Marrow Transplant Center	Memphis	TN	42	\$28,410	\$88,470	No
Vanderbilt University Medical Center	Nashville	TN	225	\$65,876	\$67,785	No
Avera McKennan Transplant Institute	Sioux Falls	SD	0	\$91,380	\$106,950	No
Medical University of South Carolina	Charleston	SC	72	\$28,410	\$88,470	No
Children's Hospital of Philadelphia	Philadelphia	PA				No
Children's Hospital of Pittsburgh	Pittsburgh	PA	24	\$62,112	\$105,037	No
Hahnemann University Hospitals	Philadelphia	PA				No
Penn State Milton S. Hershey Medical Center	Hershey	PA	120	\$85,145	\$126,900	No
Temple University	Philadelphia	PA	75	\$28,120	\$40,620	No
Thomas Jefferson University Hospital, Inc.	Philadelphia	PA	69	\$16,335	\$47,215	No
University of Pennsylvania Medical Center	Philadelphia	PA	152	\$26,985	\$26,985	No
University of Pittsburgh Cancer Center	Pittsburgh	PA	146	\$148,101	\$152,155	No
Western Pennsylvania Cancer Institute	Pittsburgh	PA				No
Oregon Health & Science University	Portland	OR	149	\$48,462	\$90,107	No
OU Medical Center & The Children's Hospital	Oklahoma City	OK	70	\$116,362	\$116,362	No
Arthur G. James Cancer Hospital	Columbus	OH	172	\$34,169	\$106,170	No
Cincinnati Children's Hospital Medical Center	Cincinnati	OH	80	\$34,092	\$106,164	No
Cleveland Clinic Foundation	Cleveland	OH	173	\$42,612	\$132,704	No
Nationwide Children's Hospital	Columbus	OH	32	\$36,936	\$115,012	No
The Jewish Hospital	Cincinnati	OH	83	\$66,825	\$92,826	No
University Hospitals Case Medical Center	Cleveland	OH	44	\$91,755	\$113,853	No
Hackensack University Medical Center	Hackensack	NJ	324	\$31,243	\$97,316	No
Robert Wood Johnson University Hospital	New Brunswick	NJ		\$28,410	\$88,470	No
Dartmouth-Hitchcock Medical Center	Lebanon	NH	41	\$16,335	\$93,300	No
The Nebraska Medical Center	Omaha	NE	146	\$36,305	\$110,600	No

Center Name	City	State	BMTs	Low Cost	High Cost	CON
University of Mississippi Medical Center	Jackson	MS	52	\$47,237	\$120,791	No
Barnes-Jewish Hospital	St. Louis	MO	339	\$31,249	\$97,316	No
Cardinal Glennon Children's Hospital	St. Louis	MO	1	\$30,330	\$90,676	No
St. Louis University Hospital	St. Louis	MO	15	\$150,854	\$150,854	No
St. Luke's Blood & Marrow Transplant Program	Kansas City	MO	8	\$82,043	\$141,645	No
The Children's Mercy Hospital	Kansas City	MO	22	\$55,556	\$58,423	No
Mayo Clinic Rochester	Rochester	MN	329	\$33,255	\$103,225	No
University of Minnesota Medical Center, Fairview	Minneapolis	MN	255	\$100,346	\$104,976	No
Beth Israel Deaconess Medical Center	Boston	MA	67	\$46,550	\$79,075	No
Dana Farber/Partners Cancer Care	Boston	MA	439	\$51,297	\$133,967	No
Massachusetts General Hospital	Boston	MA	65			No
Tufts Medical Center	Boston	MA	64	\$28,410	\$88,470	No
UMASS Memorial Health Care	Worcester	MA	26	\$46,165	\$88,690	No
Children's Hospital/LSUHSC	New Orleans	LA	14	\$39,774	\$123,858	No
Tulane University Hospital and Clinic	New Orleans	LA	24	\$74,952	\$126,509	No
University of Kansas Medical Center	Kansas City	KS	129	\$65,458	\$89,061	No
Indiana U. Bone Marrow/Stem Cell Transpl Prog.	Indianapolis	IN	198	\$198,000	\$198,000	No
St. Francis Hospital and Health Centers	Beech Grove	IN	67	\$46,110	\$97,580	No
Loyola University Medical Center	Maywood	IL	113	\$36,095	\$85,702	No
Northwestern Memorial Hospital	Chicago	IL	238	\$67,414	\$77,168	No
Rush-Presbyterian/St. Luke's Medical Center	Chicago	IL	101	\$55,977	\$55,977	No
The Children's Memorial Medical Center	Chicago	IL	64			No
Univ. of Illinois at Chicago (UIC) Med. Ctr.	Chicago	IL	48			No
University of Chicago	Chicago	IL	140			No
University of Iowa Hospitals and Clinics	Iowa City	IA	88	\$71,340	\$125,200	No
Hawaii Medical Center	Honolulu	HI	15	\$86,629	\$115,154	No
Children's Healthcare of Atlanta at Egleston	Atlanta	GA	54	\$35,740	\$179,790	No
Emory University Hospital	Atlanta	GA	181	\$31,855	\$66,035	No
Northside Hospital	Atlanta	GA	126	\$39,446	\$101,923	No
Christiana Care Health Services	Newark	DE	28	\$34,235	\$34,235	No
Children's National Medical Center	Washington	DC	29	30164	\$91,221	No
Georgetown University Hospital	Washington	DC				No
Yale University/Yale New Haven Hospital	New Haven	CT	123	16335	\$47,215	No
Presbyterian/St. Lukes Medical Center	Denver	CO	160	\$39,790	\$90,100	No
The Children's Hospital	Aurora	CO	185	\$34,104	\$104,718	No
University of Colorado Hospital	Aurora	CO				No
Cedars-Sinai Medical Center	Los Angeles	CA	99	\$28,410	\$88,440	No
Children's Hospital & Research Center Oakland	Oakland	CA	20	\$28,410	\$88,470	No
Children's Hospital of Los Angeles	Los Angeles	CA	64	\$29,610	\$89,870	No
Children's Hospital of Orange County (CHOC)	Orange	CA	32	\$28,410	\$88,470	No
City of Hope National Medical Center	Duarte	CA	494	\$36,524	\$115,031	No
Loma Linda University Medical Center	Loma Linda	CA	12	\$35,860	\$92,045	No
Rady Children's Hospital, San Diego	San Diego	CA	8	\$37,325	\$89,705	No
Scripps Green Hospital	La Jolla	CA	23	\$28,410	\$88,470	No
Stanford Hospital and Clinics	Stanford	CA	224			No
UCSD Medical Center	La Jolla	CA	107	\$37,575	\$111,965	No
UCSF Medical Center	San Francisco	CA	164	\$96,969	\$219,108	No
University of California (UCLA)	Los Angeles	CA	144	\$28,410	\$88,470	No
University of California-Davis	Sacramento	CA	43	\$28,410	\$88,470	No
City of Hope Banner	Phoenix	AZ	120	\$40,685	\$86,015	No
Mayo Clinic AZ & Phoenix Children's Hospital	Scottsdale	AZ	102	\$34,800	\$98,360	No
University Medical Center	Tucson	AZ	119	\$75,762	\$235,920	No
University of Arkansas for Medical Sciences	Little Rock	AR	770	\$34,090	\$105,946	No
University of Alabama at Birmingham	Birmingham	AL	106	\$105,175	\$105,175	No

	CON States	Non-CON States	Michigan
Number of BMTs performed	3275	11261	412
Number of Programs with BMT performed data	33	88	5
Total Low Search Cost	\$1,394,455	\$4,466,512	\$272,220
Total High Search Cost	\$2,825,379	\$8,749,450	\$560,559
Number of Programs with cost data	30	84	4
Population	76,361,795	227,697,929	10,003,422
# of Programs	34	96	5
	CON States	Non-CON States	Michigan
Avg BMT per facility	99.2	128.0	82.4
Avg Low Search Cost	\$46,482	\$53,173	\$68,055
Avg High Search Cost	\$94,179	\$104,160	\$140,140
Difference in range	\$47,697	\$50,987	\$72,085
Programs/ Million Population	0.45	0.42	0.50
National Marrow Donor Program Data The costs listed are a small part of the total cost of a transplant. They are only the costs specific to the donor search and services that occur before the transplant. Michigan is a subset of CON State Totals.			