

The power to heal lives.



ORGAN AND TISSUE DONATION

## Donation after Circulatory Death: Real Potential for Growth?

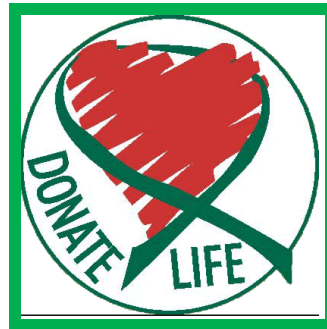
Bruce Nicely  
Chief Clinical Officer

September 24, 2015



# Donation after Circulatory Death (DCD)

- The “original” deceased organ donor
- Sometimes called “Donation after Cardiac Death” or “Donation after Circulatory Determination of Death”
- Donation occurs after withdrawal of life-sustaining therapy
- Family driven



## It matters . . .

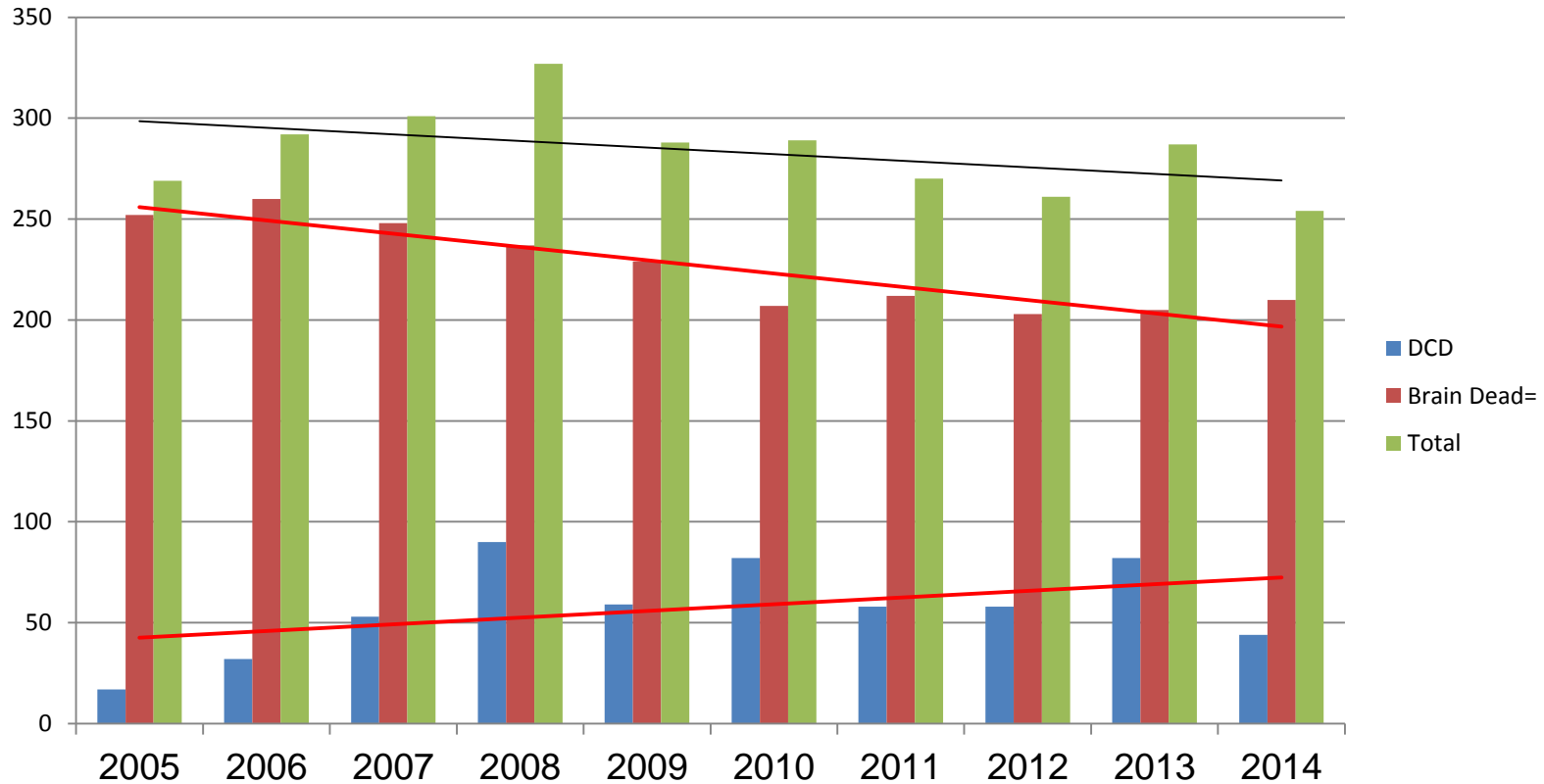
- More than 122,000 people waiting
- More than 15,000 organ transplants annually
- No alternative therapy for most end-stage organ failure
- Transplant saves lives!



# Organ Donation in Michigan

Gift of Life Michigan Organ Donor Demographics 2005 through 2014											
Category	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Total Deaths Traged	37,088	36,683	37,216	37,737	36,523	36,650	37,261	37,091	37,866	36,686	
Total Referring Facilities*	180	188	198	198	194	206	212	208	203	205	
Medicare Facilities	178	178	178	178	178	178	178	178	178	178	
Organ Donor Facilities	49	52	50	54	54	53	45	49	61	48	
Organ Donors	269	292	301	327	288	289	270	261	287	254	
DCD Organ Donors	17	32	53	90	59	82	58	58	82	44	
ECS Organ Donors****	-	-	-	-	-	-	-	-	5	2	
<b>Potential Donor Outcomes</b>											
Eligible Deaths **	419	433	403	419	354	349	330	326	376	328	
Potential DCD Donors ***	-	-	-	-	-	-	-	134	169	140	
Actual Organ Donors	269	292	301	327	288	289	269	261	283	254	
Authorization Not Obtained	312	323	333	379	211	237	218	238	223	221	
<b>Donor Age</b>											
Median	43	43	43	43	41	41	41	42	40	44	
0-12 Years	31 11.5%	17 5.8%	21 7.0%	16 5.0%	19 6.6%	21 7.3%	11 4.1%	22 8.4%	22 7.7%	16 6.3%	
13-20 Years	24 8.9%	32 11.0%	27 9.0%	22 6.9%	41 14.2%	29 10.0%	31 11.5%	28 10.7%	22 7.7%	13 5.1%	
21-35 Years	45 16.7%	53 18.2%	51 16.9%	58 17.7%	41 14.2%	49 17.0%	59 21.9%	60 23.0%	71 24.7%	66 26.0%	
36-50 Years	63 23.4%	84 28.8%	91 30.2%	102 31.2%	81 28.2%	95 32.8%	72 26.7%	69 26.4%	83 28.9%	67 26.4%	
51-65 Years	75 27.9%	73 25.0%	80 26.6%	105 32.1%	87 30.2%	77 26.7%	83 31.0%	70 26.8%	78 27.2%	79 31.2%	
> 65 Years	31 11.5%	33 11.3%	31 10.3%	24 7.3%	19 6.6%	18 6.2%	13 4.8%	12 4.6%	11 3.8%	13 5.1%	
<b>Donor Gender</b>											
Male	151 56.5%	169 57.9%	116 38.5%	125 38.2%	164 56.9%	180 62.3%	149 55.3%	149 57.1%	165 57.5%	146 57.4%	
Female	118 43.5%	123 42.1%	185 61.5%	202 61.7%	124 43.1%	109 37.7%	120 44.7%	112 42.9%	122 42.5%	108 42.5%	
<b>Donor Race</b>											
Caucasian	199 73.2%	213 73.0%	233 77.5%	271 82.8%	215 74.7%	220 76.1%	198 73.6%	201 77.0%	217 75.6%	212 83.4%	
African-American	54 20.1%	60 20.6%	54 18.0%	44 13.5%	55 19.2%	60 20.9%	59 21.9%	46 17.6%	53 18.5%	33 12.9%	
Hispanic	13 4.8%	12 4.1%	9 2.9%	6 1.8%	11 3.8%	4 1.4%	5 1.9%	10 3.8%	9 3.1%	5 1.9%	
Asian	2 0.7%	2 0.7%	1 0.3%	4 1.2%	4 1.4%	3 1.0%	3 1.1%	1 0.4%	7 2.4%	4 1.5%	
Middle Eastern	2 0.7%	3 1.0%	1 0.3%	-	1 0.3%	1 0.3%	2 0.7%	2 0.6%	0 0.0%	0 0.0%	
Native American	-	2 0.7%	-	-	1 0.3%	1 0.3%	1 0.4%	-	1 0.4%	0 0.0%	
Other	1 0.4%	-	3 1.0%	2 0.7%	1 0.3%	-	1 0.4%	1 0.4%	0 0.0%	0 0.0%	
<b>Donor Cause of Death</b>											
Cerebrovascular / Stroke	115 42.8%	125 42.8%	127 42.2%	155 47.5%	137 47.6%	105 36.3%	99 37.0%	99 37.9%	91 31.7%	97 38.1%	
Head Trauma	112 41.6%	104 35.6%	93 30.9%	92 28.3%	80 27.8%	79 27.3%	84 31.1%	73 28.0%	93 32.4%	65 26.0%	
Cerebral Anoxia	34 12.6%	55 18.8%	73 24.3%	71 21.8%	63 21.9%	99 34.3%	78 29.0%	82 31.4%	92 32.1%	81 32.0%	
CNS Tumor	3 1.1%	4 1.4%	1 0.3%	4 1.2%	5 1.7%	2 0.7%	2 0.7%	0 0.0%	1 0.3%	1 0.3%	
Other	5 1.9%	4 1.4%	7 2.3%	4 1.2%	3 1.0%	4 1.4%	6 2.2%	7 2.7%	10 3.5%	10 4.4%	

# Organ Donation in Michigan



## Other Notable Trends

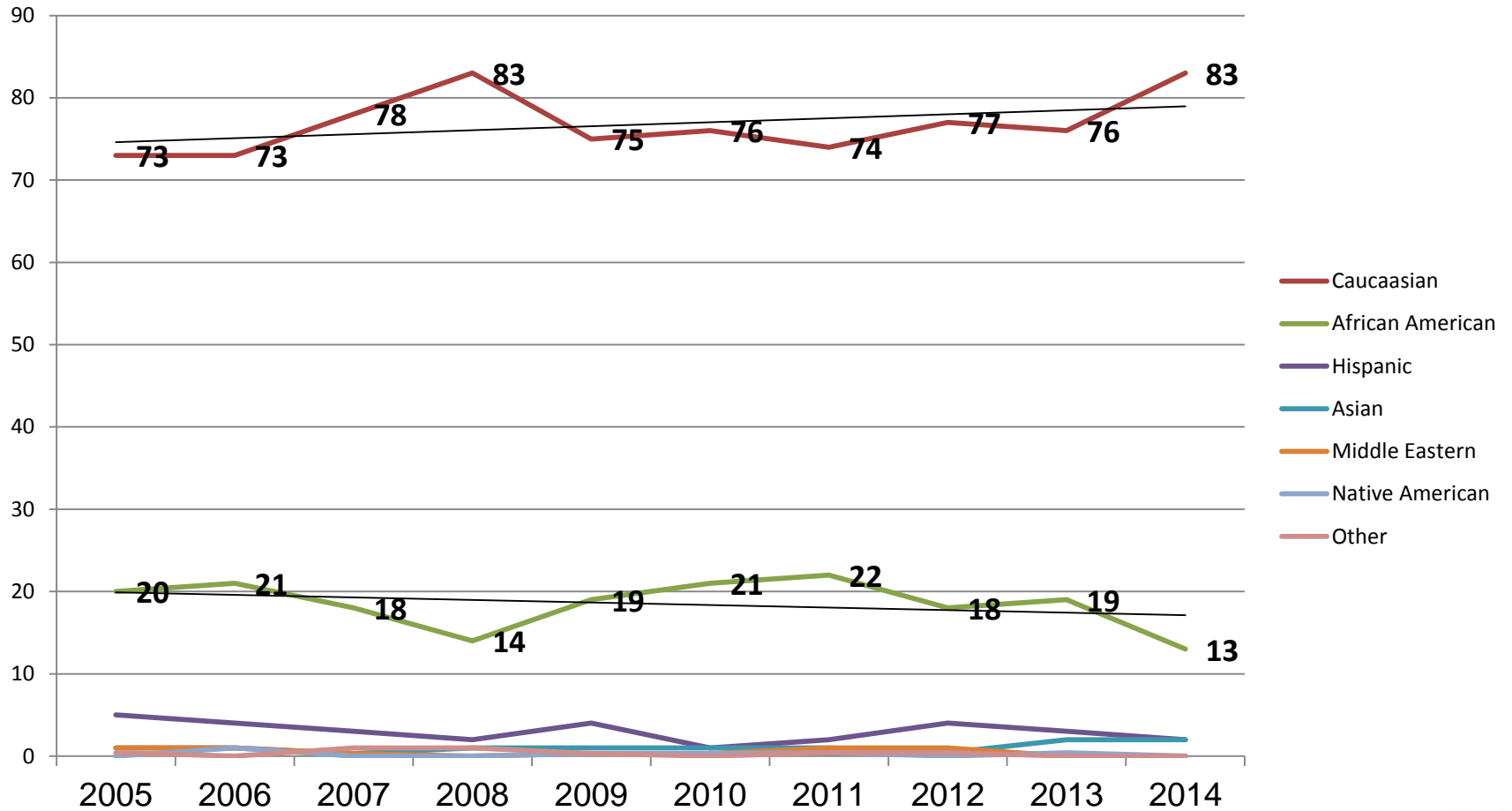
- “If he had wanted to donate, he would have been on the registry”
- “We are tired. We want to withdraw support now”

Become a Donor

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# Other Notable Trends



# Authorization

- Registry and DCD: how does this work?
- Registry and the care team: what is the message?





# The Gift

“Many patients await transplantation. To them, organ donation is a gift. To donors and their family members, it can be a way to make sense of a sudden or an unforeseeable loss of life, one positive outcome of their tragedy they can take pride in.” – Beach, Hallet, and Zaluka, *American Journal of Nursing*, 2011(5)



**Thank you!**



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