



# UNOS/OPTN Liver Committee Proposals to Allocate Livers by 4 or 8 “Districts” to reduce MELD at Transplant and Deaths on the Waitlist: *Impact on OneLegacy DSA*

by Tom Mone  
CEO  
OneLegacy  
September 9, 2014



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# Current MELD at Transplant by DSA

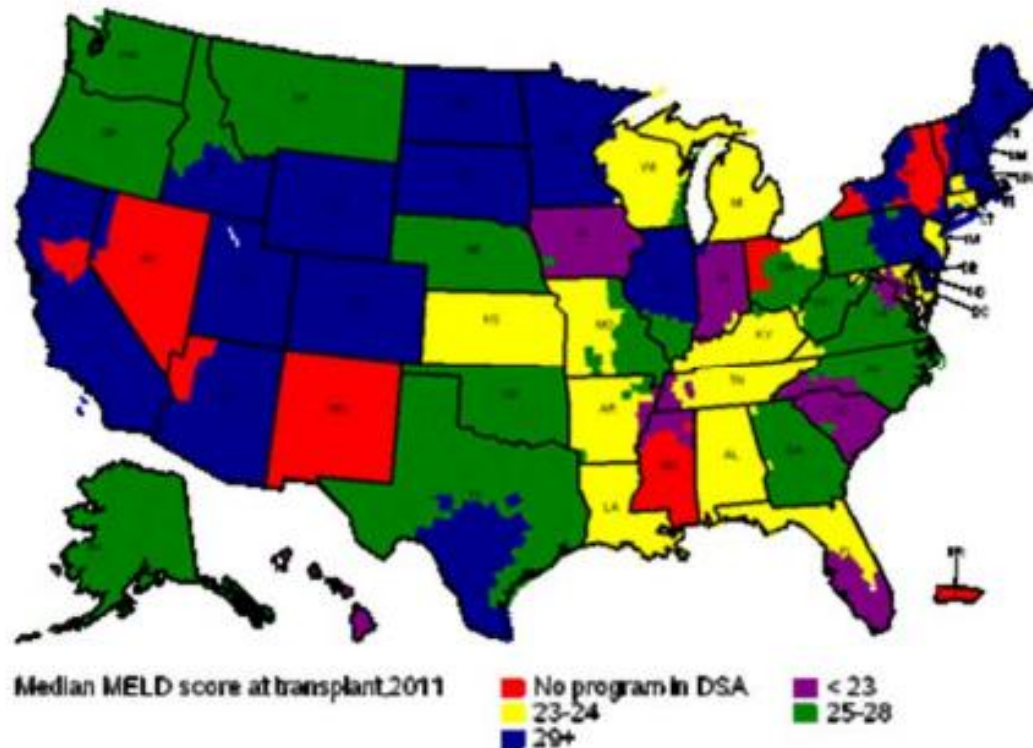
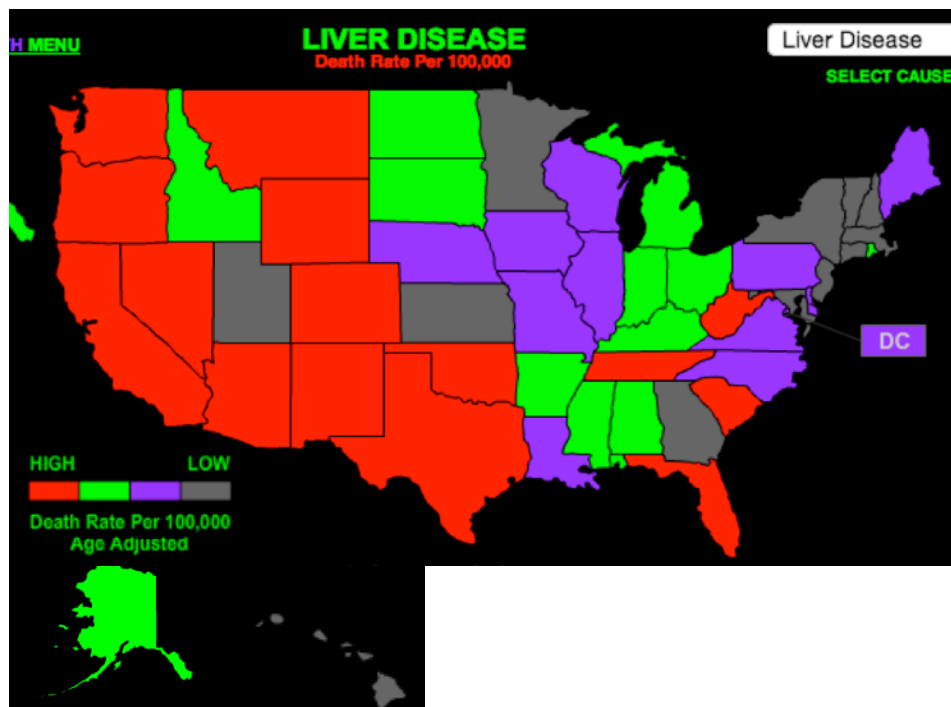
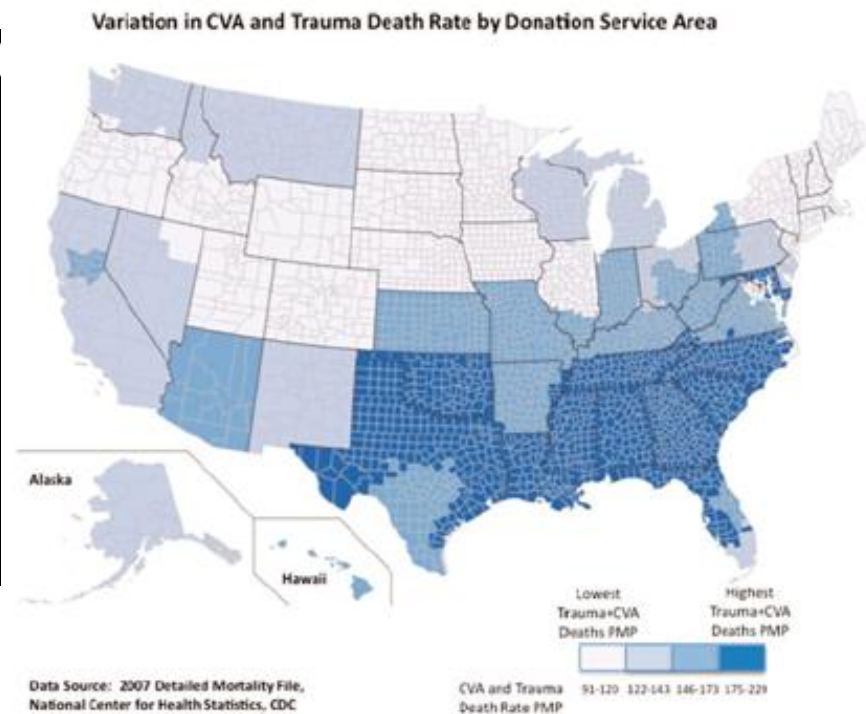


Figure 3: Median MELD score at Transplant, 2011

# Southern California: A *Disproportionate Need for Livers* and a *Disproportionate Shortage of Potential Donors*



Source: CDC 2010 US Death Rates d/t Liver Disease; May 8, 2013 & <http://www.worldlifeexpectancy.com/usa/cause-of-death/liver-disease/by-state/>



Source: AJT, 2012, Investigating Geographic Variation in Mortality in the Context of Organ Donation; Sheehy, O'Conner, Lusk, Howard, Cornell, Finn, Mone, Selck, Delmonico

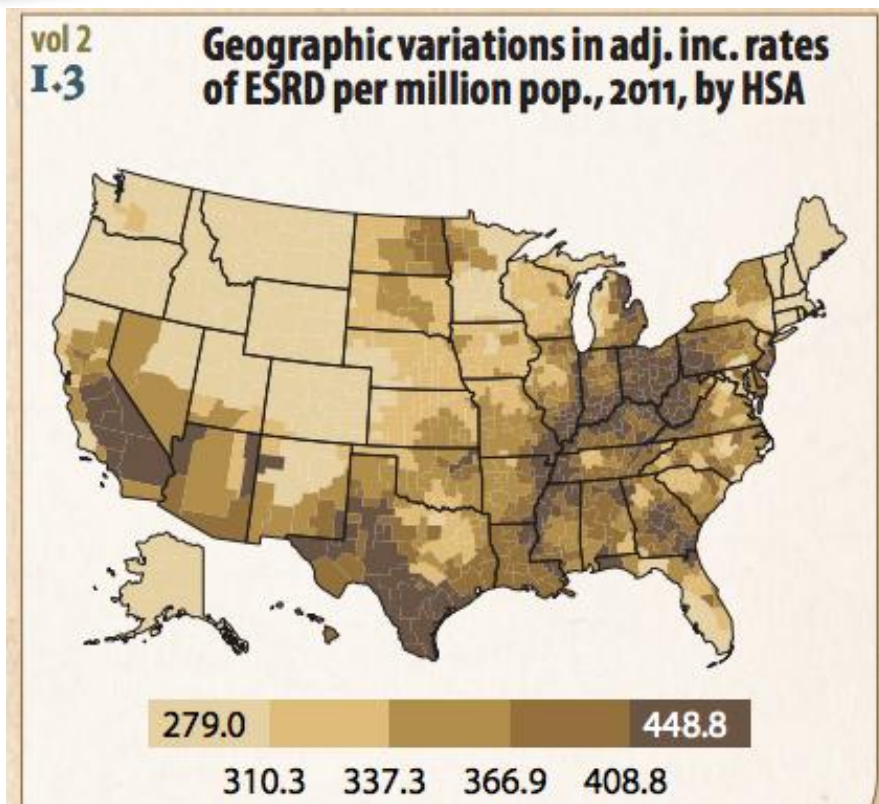


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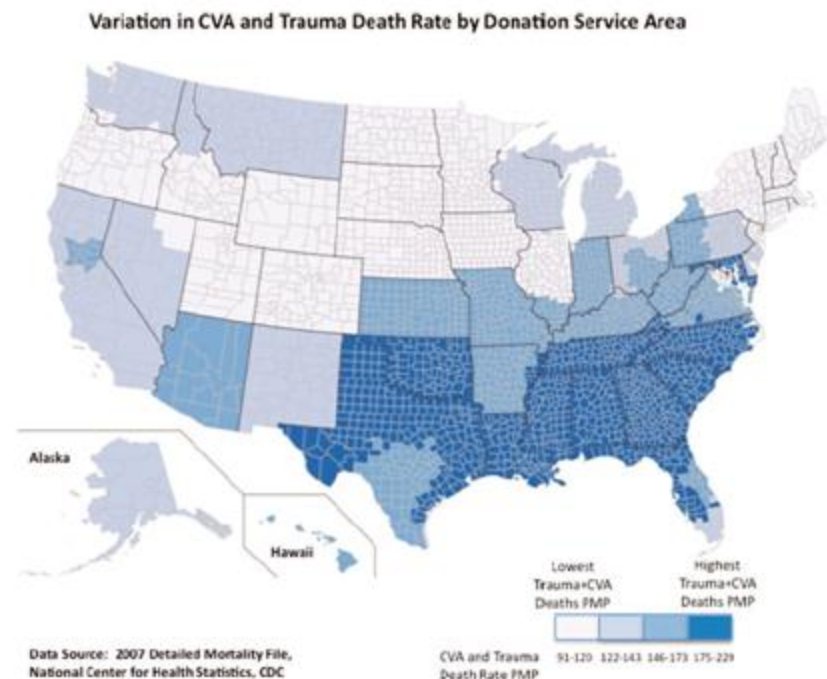




# Southern California: A *Disproportionate Need for Kidneys* and a *Shortage of Potential Donors*, as well...



Source: USRDS ANNUAL REPORT 2013



Source: AJT, 2012, Investigating Geographic Variation in Mortality in the Context of Organ Donation; Sheehy, O'Conner, Lusk, Howard, Cornell, Finn, Mone, Selck, Delmonico

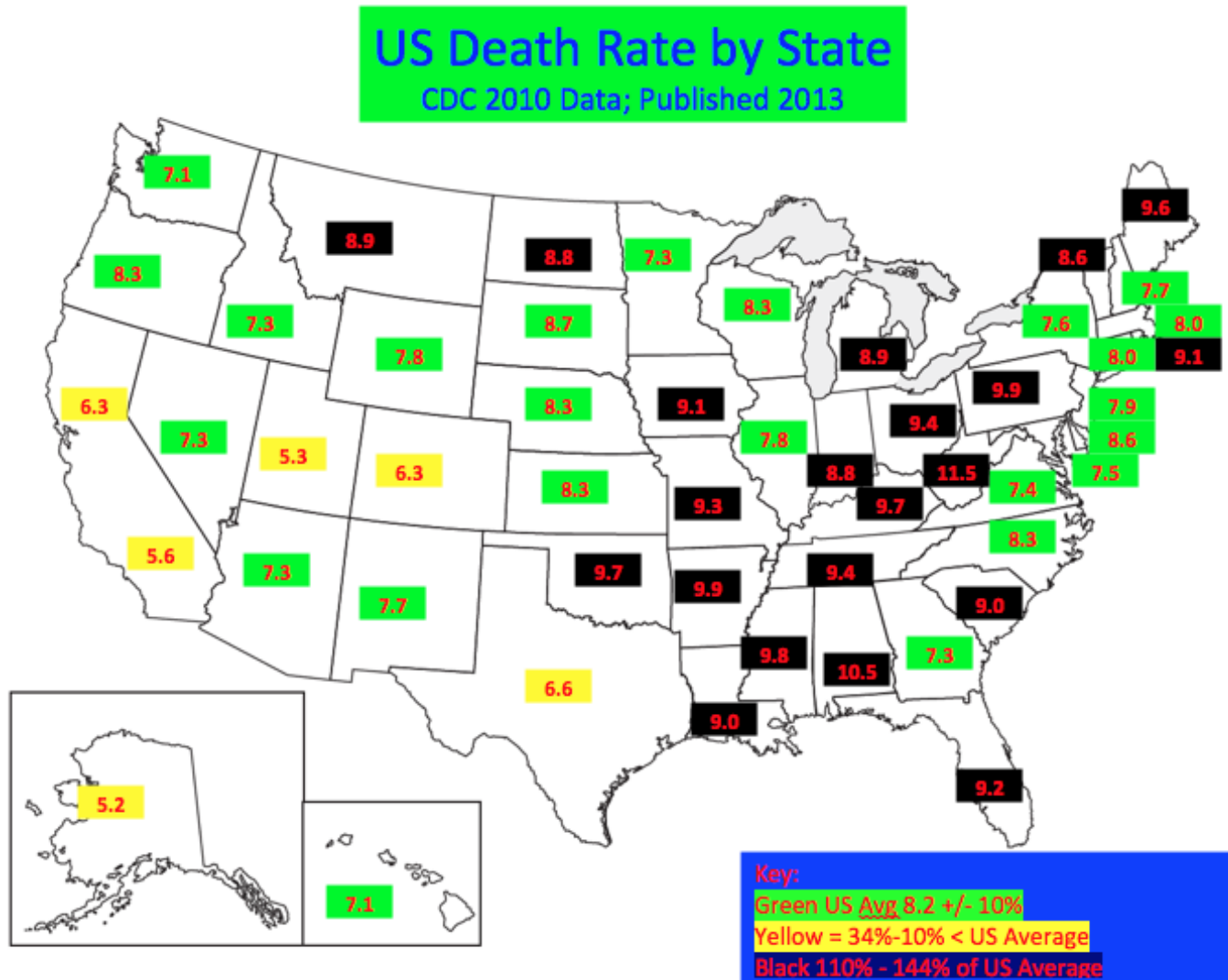


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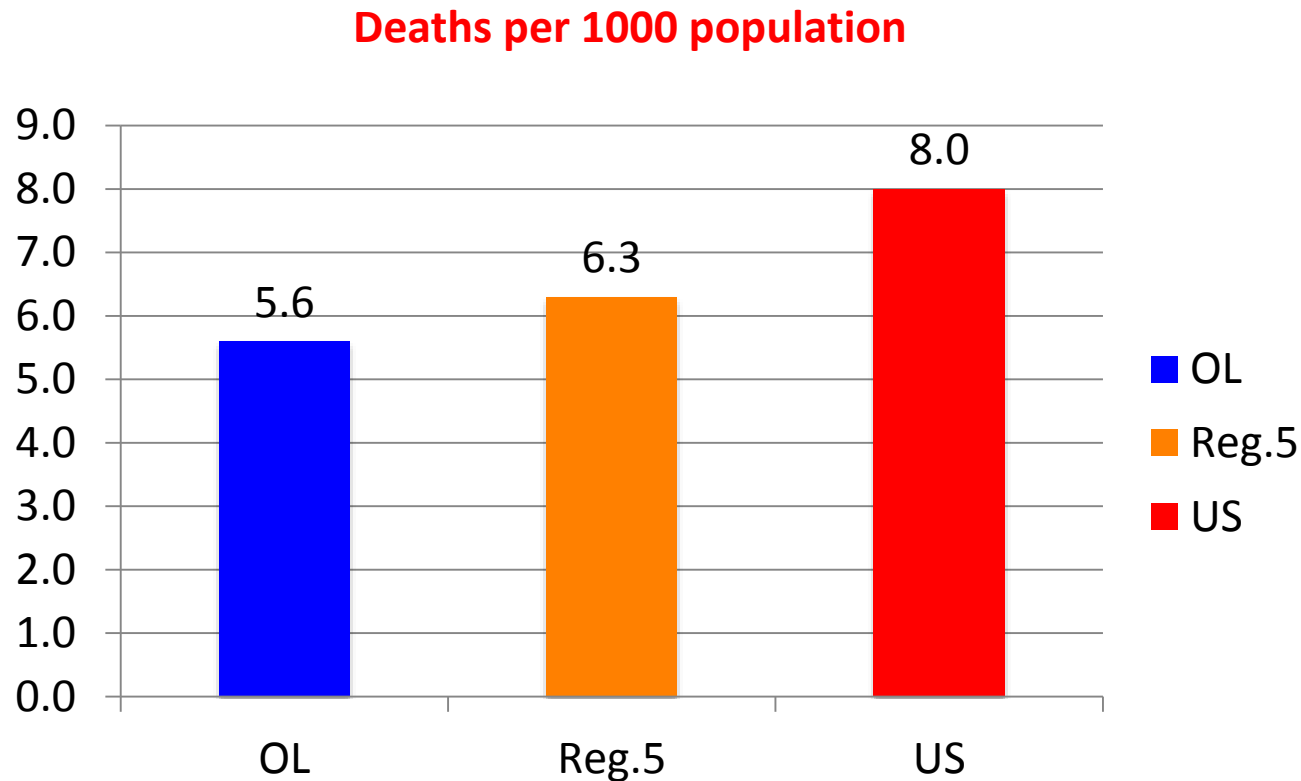
# Where the donors are...and where they aren't

*Based on state death rates*



# Why MELD at Transplant is Highest in the West:

*High Liver Disease Rate and Low Death Rates/Potential Donors*



# The Role of OPO Performance and Access to Livers: *SRTR Ranking Observed vs. Expected*

SRTR 04/2014 Report 7/12-12/13 Observed Donation Rate vs Standardized Rate

State	OPO	Observed			
		Standardized Donation Rate	Donation Rate	Standardized Ranking	Nominal Ranking
Puerto Rico	PRLL	1.25	75.2	1	18
<i>CA Sacto</i>	<i>CAGS</i>	<i>1.22</i>	<i>87.0</i>	<i>2</i>	<i>1</i>
Tennessee, Memphis	TNMS	1.15	79.0	3	11
Nebraska	NEOR	1.12	83.8	4	4
Colorado	CORS	1.12	82.7	4	5
<i>CA San Diego</i>	<i>CASD</i>	<i>1.12</i>	<i>79.3</i>	<i>4</i>	<i>10</i>
Oregon	ORUO	1.12	69.7	4	34
Iowa	IAOP	1.10	85.5	5	2
Tennessee, Nashville	TNDS	1.09	84.0	6	3
Kentucky	KYDA	1.08	82.4	7	6
MidWest Kansas	MWOB	1.08	82.2	7	7
Florida Tampa	FLWC	1.08	77.8	7	14
Mississippi	MSOP	1.08	77.6	7	15
Illinois	ILIP	1.07	75.8	8	17
Georgia	GALL	1.06	74.6	9	20
New Mexico	NMOP	1.05	73.2	10	25
<i>CA So Cal</i>	<i>CAOP</i>	<i>1.05</i>	<i>69.6</i>	<i>10</i>	<i>35</i>
Wisconsin Madison	WIUW	1.04	80.5	11	8
Missouri	MOMA	1.04	78.7	11	12
Minnesota	MNOP	1.04	78.0	11	13
<i>REGION 5</i>	<i>REG 5</i>	<i>1.04</i>	<i>71.5</i>	<i>11</i>	<i>30</i>
Pennsylvania Pitts	PATF	1.03	80.1	12	9
Louisiana	LAOP	1.03	73.8	12	22
Wisconsin Milwaukee	WIDN	1.03	73.6	12	23
<i>CA Nor Cal</i>	<i>CADN</i>	<i>1.03</i>	<i>69.9</i>	<i>12</i>	<i>32</i>
Pennsylvania Phil.	PADV	1.02	72.9	13	26
Texas Houston	TXGC	1.02	71.7	13	28
Florida Winter Park	FLFH	1.02	69.8	13	33
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South Carolina	SCOP	0.99	72.3	14	27
New Jersey	NJTO	0.99	68.6	14	38
<i>Utah</i>	<i>UTOP</i>	<i>0.98</i>	<i>76.3</i>	<i>15</i>	<i>16</i>
Virginia	VATB	0.98	68.2	15	40
Florida Gainsville	FLUF	0.97	69.6	16	35
<i>Nevada</i>	<i>NVLV</i>	<i>0.97</i>	<i>67.4</i>	<i>16</i>	<i>43</i>
DC	DCTC	0.97	62.4	16	50
Indiana	INOP	0.96	75.0	17	19
New England	MAOB	0.96	71.7	17	28
Washington	WALC	0.96	70.2	17	31
Texas San Antonio	TXSA	0.96	68.1	17	41
<i>Arizona</i>	<i>AZOP</i>	<i>0.96</i>	<i>67.6</i>	<i>17</i>	<i>42</i>
Hawaii	HIOP	0.96	54.1	17	53
Ohio Columbus	OHLP	0.95	71.6	18	29
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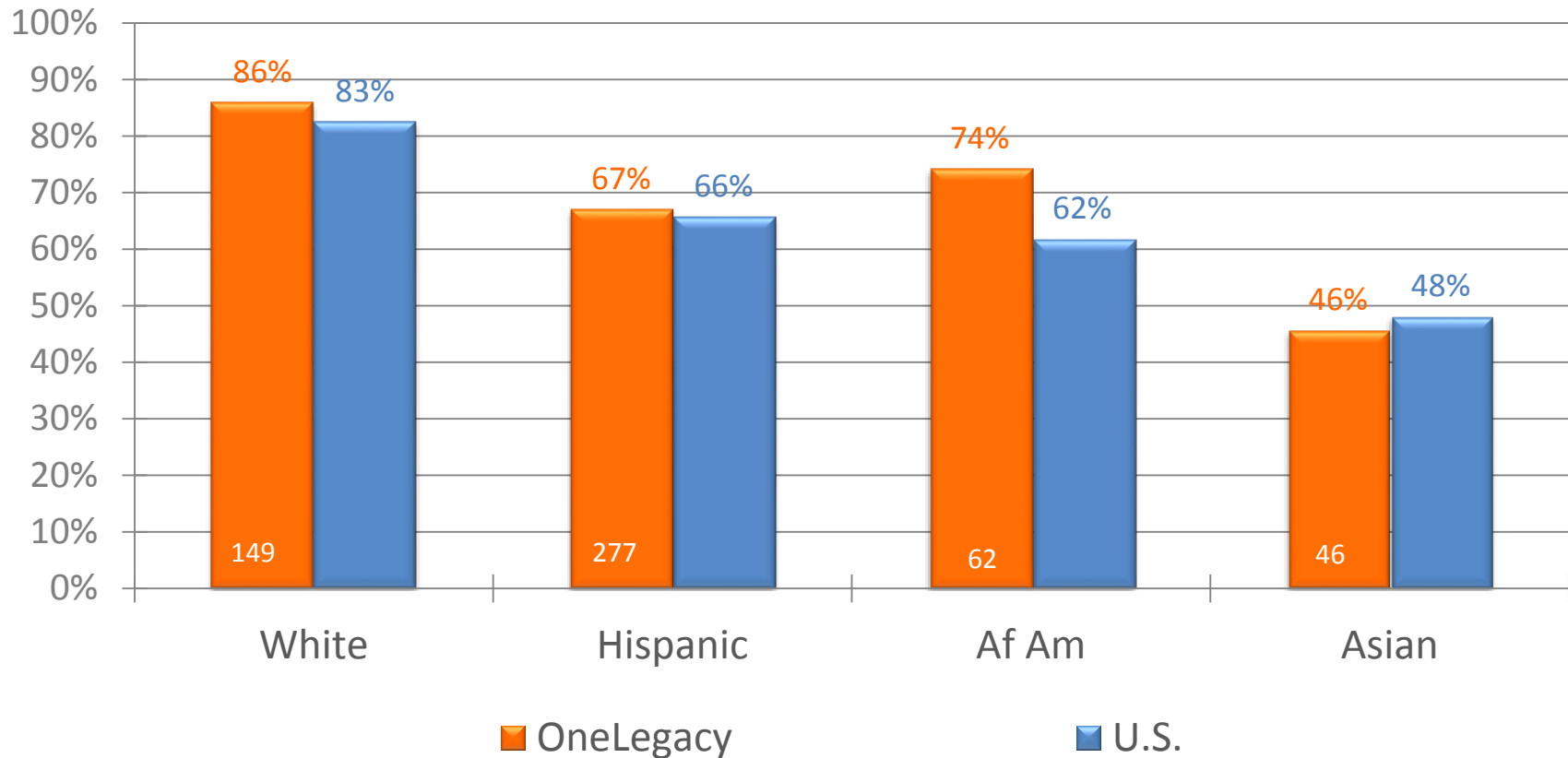
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# Why OneLegacy Ranks in top ten OPOs:

*OneLegacy **Exceeds** US Authorization Rate by Race*



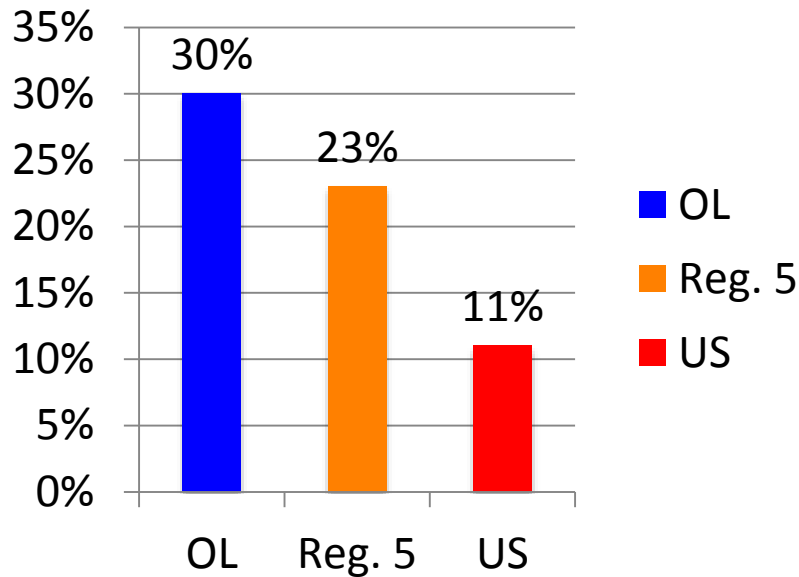
Source: UNOS OPTN OPO Quarterly Auth Rate Report thru 2013; 3/13/14



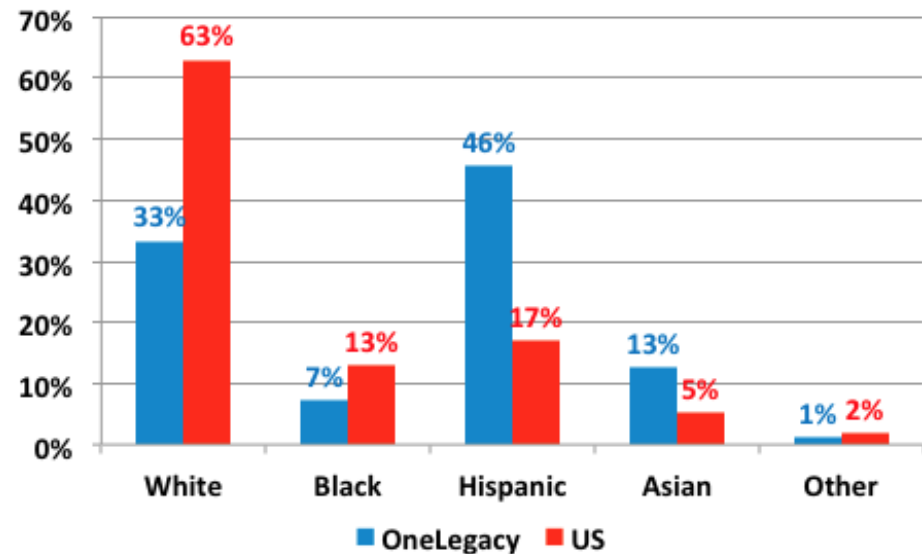
# A Demographically Disproportionate Population

## *Recent Immigrant and Ethnically Diverse Population*

**Dramatically More Recent Immigrants**

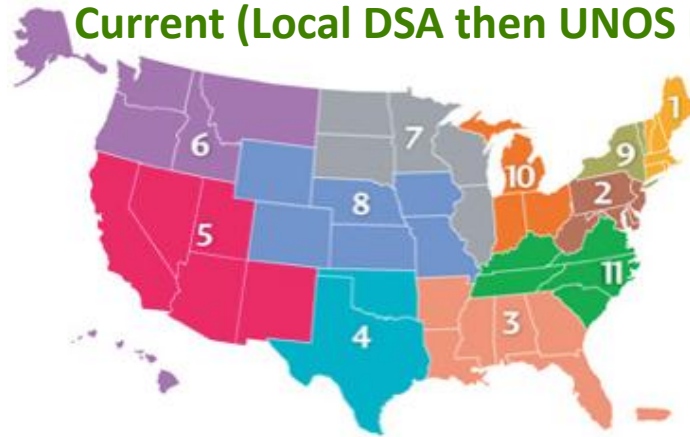


**Dramatically More Hispanic and Asian  
(which have lower donation and  
higher Liver Disease Rates)**



# Current and Proposed Liver Distribution Regions and Districts

**Current (Local DSA then UNOS Region)**



**Proposed 4 District**

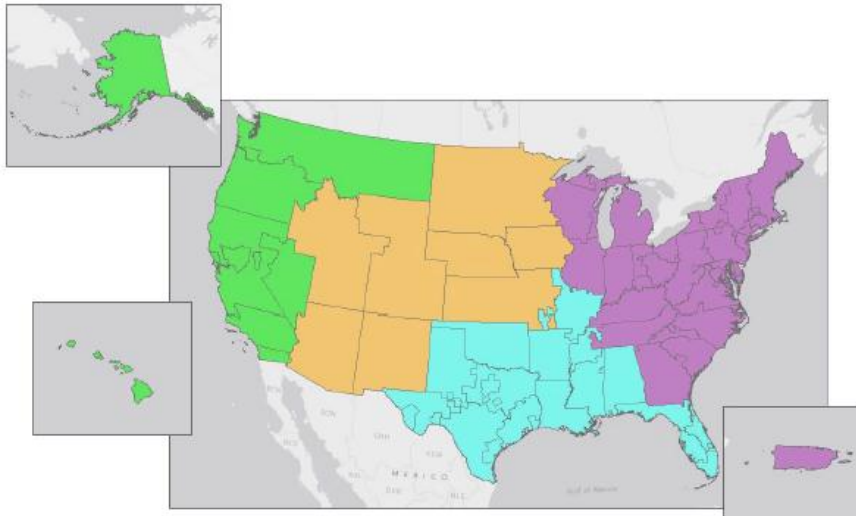


Figure 5: 4 district distribution model

**Proposed 8 District**

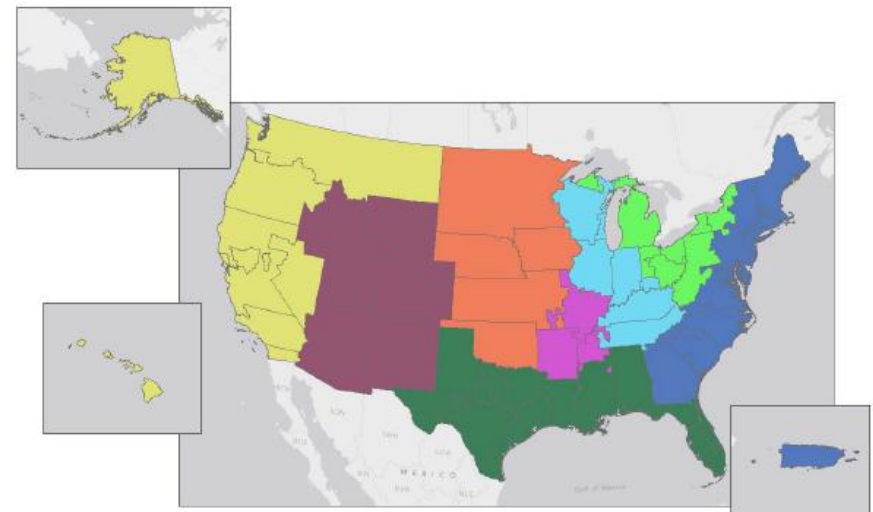


Figure 7: 8 district model

# Redistricting Proposal Comparative Impact

## *No Measurable Benefit for California*

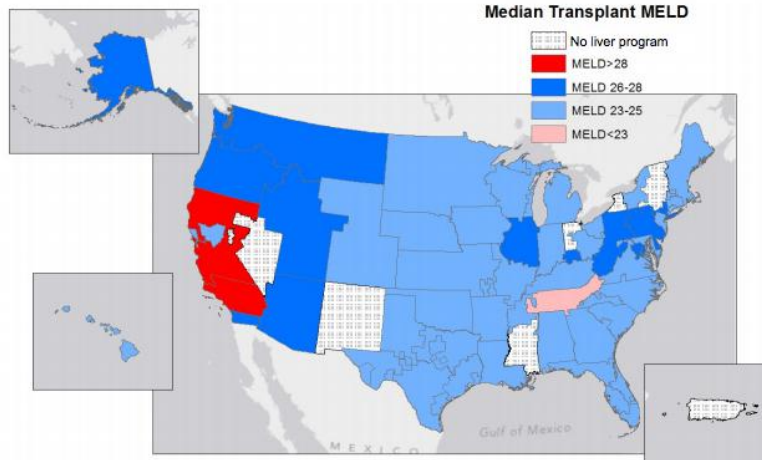
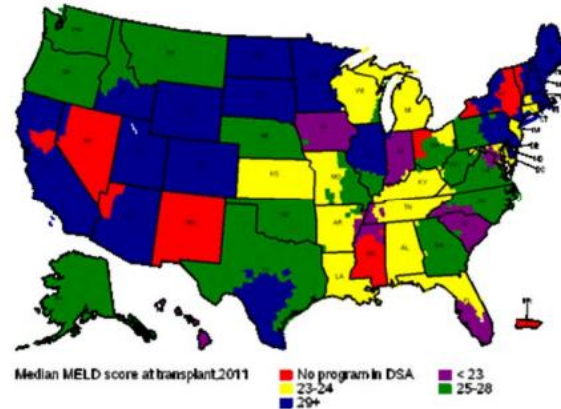


Figure 3: Median MELD score at Transplant, 2011

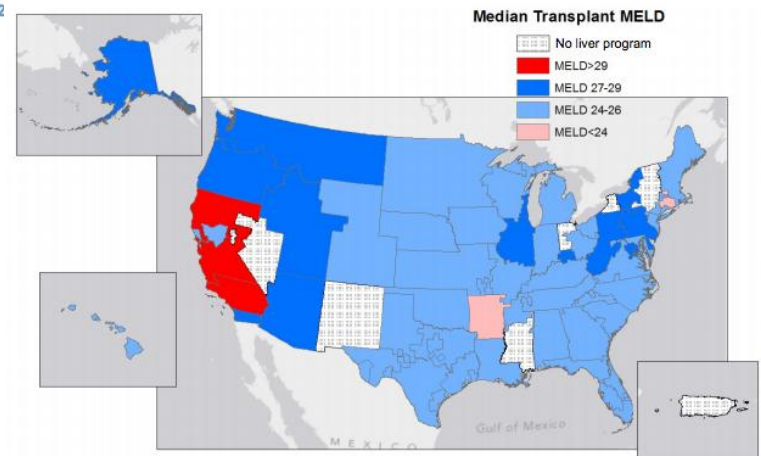


Figure 6: How 4 district distribution model reduces disparity

Figure 8: How 8 district model reduces disparity



# 11 OPO and 36 Transplant Centers Signatories to Letter Opposed to Redistricting

## Prabhakar K. Baliga, MD

Prabhakar Baliga, MD  
Medical Director, Transplant Service Line  
Medical University of South Carolina

*[Signature]*

Michael Charlton, MD  
Medical Director of Liver Transplantation  
Intermountain Medical Center

Richard Gilroy, MD

Richard Gilroy, MD  
Medical Director of Liver Transplantation  
University of Kansas Medical Center

## Dixon Kaufman

Dixon Kaufman, MD PhD  
Chief, Division of Transplantation  
University of Wisconsin Medical Center

*[Signature]*

Stuart Knechtle, MD PhD  
Director of Transplant Services  
Children's Healthcare of Atlanta

## Kenneth P. Kates

Kenneth P. Kates, MBA  
Associate Vice President and CEO  
University of Iowa Healthcare

## Dr. Jorge Reyes

Jorge Reyes, MD  
Chief, Division of Transplant Surgery  
University of Washington Medical Center

## Will Chapman, MD

William Chapman, MD  
Chief, Section of Transplantation  
Washington University/Barnes Jewish Hospital

## Devin Eckhoff

Devin Eckhoff, MD  
Director, Division of Transplantation  
University of Alabama Medical Center

## Seth Karp, MD

Seth Karp, MD  
Director, Vanderbilt Transplant Center  
Vanderbilt University Medical Center

*[Signature]*

Stuart Knechtle, MD PhD  
Chief, Division of Transplantation  
Emory University Medical Center

## Susan L. Orloff, MD

Susan L. Orloff, MD  
Chief, Division of Abdominal Organ Transplantation  
Oregon Health & Science University

## Alan I. Reed, MD

Alan I. Reed, MD  
Director, Organ Transplant Center  
University of Iowa Hospitals & Clinics

*[Signature]*

James Trotter, MD  
Medical Director, Liver Transplantation  
Baylor University Medical Center

## Shawn Pelletier, MD

Shawn Pelletier, MD  
Surgical Director, Liver Transplantation  
University of Virginia Medical Center

*[Signature]*  
James Forster, MD  
Director, Abdominal Transplantation  
St Lukes Hospital of Kansas City

*[Signature]*

Mark P. Posner, MD  
Director, Hume-Lee Transplant Center  
Virginia Commonwealth University HS

*[Signature]* 8/20/14

Mark Russo, MD MPH  
Medical Director, Liver Transplantation  
Carolinas Medical Center

## Joseph F. Buell

Joseph F. Buell, MD  
Professor & Director  
Tulane Transplant Institute

A. Joseph Tector, MD PhD

A. Joseph Tector, MD  
Chief Medical Officer  
Indiana University Transplant Institute

*[Signature]*

Angel Alsina, MD  
Surgical Director, Liver Transplantation  
Tampa General Hospital

Shimul A. Shah

Shimul Shah, MD  
Director, Liver Transplantation  
University of Cincinnati

## Malay B. Shah, MD

Malay B. Shah, MD  
Surgical Director, Liver Transplant  
University of Kentucky (Lexington)

## Paul Hayashi

Paul H. Hayashi, MD MPH  
Medical Director, Liver Transplantation  
University of North Carolina Line Center

*[Signature]*

Christopher D. Anderson, MD  
Interim Chair, Department of Surgery  
University of Mississippi Medical Center

*[Signature]*

Nigel Girgrah, MD PhD  
Medical Director, Multiorgan Transplant Institute  
Ochsner Clinic Foundation

## Jeffrey Fair, MD PhD

Jeffrey Fair, MD PhD  
Surgical Director of Liver Transplantation  
University of Florida

*[Signature]*

Igal Kam, MD  
Chief of Transplant Surgery  
University of Colorado School of Medicine

## Marwan Abouljoud

Marwan Abouljoud, MD  
Director, Henry Ford transplant Institute  
Henry Ford Health System

*[Signature]*

Kelly M. McMasters, MD PhD  
Professor & Chair, Department of Surgery  
University of Louisville School of Medicine

## Linda Wong

Linda Wong, MD  
Director, Liver Transplant Program  
Queens Medical Center, Hawaii

## Mitchell L. Henry

Mitchell Henry, MD  
Chief, Division of Transplantation  
The Ohio State University Medical Center

## Suzanne Conrad

Suzanne Conrad  
Chief Executive Officer  
Iowa Donor Network

## Sue Dunn

Sue Dunn  
Chief Executive Officer  
Donor Alliance

## Rob Linderer

Robert Linderer  
Chief Executive Officer  
Midwest Transplant Network

## Danielle Cornell

Danielle Cornell  
Chief Executive Officer  
LifeQuest (Gainesville, FL)

## Nancy Kay

Nancy Kay  
President & Chief Executive Officer  
LifePoint, Inc. (South Carolina)

## Christopher J. Sonnenday, MD, MHS

Christopher Sonnenday, MD  
Surgical Director, Liver Transplantation  
University of Michigan Health System

## Rodrigo Vianna, MD

Rodrigo Vianna, MD  
Director of Liver Transplantation  
University of Miami Transplant Institute

## Dean F. Kappel

Dean Kappel  
President & CEO  
Mid-America Transplant Service

*[Signature]*

Patti Niles  
Chief Executive Officer  
Southwest Transplant Alliance

*[Signature]*

Kathleen T. Lilly  
Sr. VP/Executive Director  
Lifeline of Georgia

## Chris Meeks

Chris Meeks  
Chief Executive Officer  
Alabama Organ Center

## Kelly Ranum

Kelly Ranum  
Chief Executive Officer  
Louisiana Organ Procurement Agency

## Kevin Stump

Kevin Stump  
Chief Executive Officer  
Mississippi Organ Recovery Agency

*[Signature]*

Gazi Zibari, MD  
Director, JC McDonald Transplant Center  
Willis Knighton Health System



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# Donation Performance of Tx Ctrs/OPOs Submitting Letter Objecting to Redistricting (in Orange)

SRTR 04/2014 Report 7/12-12/13 Observed Donation Rate vs Standardized Rate

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NY Upstate	NYWN	0.69	50.0	28	55

OPOs that signed on to a letter to HHS opposing Liver Allocation Changes



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# OL DSA Liver Program

## *Conclusions and Recommendation re. Redistricting*

1. The 4 and 8 District Proposals do virtually nothing to address California's demographic challenge that leaves us with the highest MELD at transplant in the country.
2. Both proposals maximize national benefits by removing some of the closest DSAs/Regions from the California District and force California programs to go as far as Montana...while not being in the distribution area to go to our neighboring state of Arizona.
3. The Liver Committee should model 3 and 2 districts if they want to make a change that will minimize deaths on the waitlist and reduce MELD at transplant nationwide.



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