

## Special Documents

### MARYLAND HEALTH CARE COMMISSION

#### SOLID ORGAN TRANSPLANTATION

The Maryland Health Care Commission (MHCC) hereby gives notice of an updated forecast of solid organ transplantation cases and of the need for solid organ transplantation programs by region. These projections are calculated using the methodologies in COMAR 10.24.15, the State Health Plan for Facilities and Services; Specialized Health Care Services – Organ Transplant Services. They are published pursuant to the requirements of COMAR 10.24.15 and supersede any previously published projections in either the Maryland Register or any plan approved by MHCC. The published projections will remain in effect for use in the review of Certificate of Need applications until MHCC publishes updated projections.

##### Net Need for Transplant Programs

Organ Transplant Type	Region	Historic Cases by Transplant Location			Projected	Net Need
		2010	2011	2012	2015	
Heart	Maryland	36	23	30	21	-9
	Washington	18	30	28	30	-2
Intestine	Maryland	0	0	0	0	0
	Washington	17	20	19	13	-6
Kidney	Maryland	446	481	524	535	11
	Washington	308	286	276	312	27
Liver	Maryland	94	114	134	164	30
	Washington	84	100	116	178	62
Lung	Maryland	50	46	55	42	-13
	Washington	24	20	24	35	11
Pancreas	Maryland	32	28	22	13	-9
	Washington	17	19	14	12	-2

Sources: MHCC analysis of population data and United Network for Organ Sharing, OPTN data for CY2010-CY2012, as of February 5, 2014; Population data from the U.S. Census for the District of Columbia; Population data from the University of Virginia Weldon Cooper Center; Population data from the Maryland Department of Planning.

Methodology: COMAR 10.24.15.04D

Note: For patients that receive multiple organs, such as for heart-lung transplants and kidney-pancreas transplants, the case is counted for each organ transplant type.

An application for a new program will be considered only if the following criteria are met:

- a. If the net need for transplants in a region is greater than the threshold utilization standard for that organ type;
- b. All programs of a specific type within the region meet or exceed the threshold volume in the most current full year of data available; and
- c. The introduction of a new program will not result in an existing program dropping below the threshold volume standard.

## Eligibility for Consideration of New Organ Transplantation Program

Transplant Program	Region	Threshold Volume	Net Need > Threshold Volume	Program Volume > Threshold Volume	New Program Eligible?
Heart	Maryland	20	No	None	No
	Washington		No	1 of 3	No
Kidney	Maryland	50	No	All	No
	Washington		No	3 of 4	No
Liver	Maryland	20	Yes	All	Yes
	Washington		Yes	All	Yes
Lung	Maryland	20	No	All	No
	Washington		No	All	No
Pancreas	Maryland	20	No	None	No
	Washington		No	None	No

Note: There is not a threshold volume for intestines that has been pre-determined.

## Organ Transplant Cases by Region and Hospital Program CY2010—CY2012

Transplant Program	Region	Hospital	2010	2011	2012
Heart	Maryland	Johns Hopkins Hospital	23	16	13
		University of Maryland Medical Center	12	7	17
	Washington	Children's National Medical Center	0	0	0
		Georgetown University Medical Center	NA	NA	NA
		Inova Fairfax Hospital	9	20	21
		Washington Hospital Center	9	11	7
Intestine	Maryland	Johns Hopkins Hospital	NA	NA	NA
		University of Maryland Medical Center	NA	NA	NA
	Washington	Children's National Medical Center	NA	NA	NA
		Georgetown University Medical Center	17	20	19
		Inova Fairfax Hospital	NA	NA	NA
		Washington Hospital Center	NA	NA	NA
Kidney	Maryland	Johns Hopkins Hospital	214	218	214
		University of Maryland Medical Center	232	263	310
	Washington	Children's National Medical Center	17	14	9
		Georgetown University Medical Center	55	63	64
		Howard University	1	NA	NA
		Inova Fairfax Hospital	100	111	111
		Washington Hospital Center	130	85	73
Liver	Maryland	Johns Hopkins Hospital	39	36	48
		University of Maryland Medical Center	55	78	86
	Washington	Children's National Medical Center	NA	NA	NA
		Georgetown University Medical Center	84	100	116
		Inova Fairfax Hospital	NA	NA	NA
		Washington Hospital Center	NA	NA	NA

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<b>Lung</b>	Maryland	Johns Hopkins Hospital	24	27	26
		University of Maryland Medical Center	25	19	29
	Washington	Children's National Medical Center	NA	NA	NA
		Georgetown University Medical Center	NA	NA	NA
		Inova Fairfax Hospital	24	20	24
		Washington Hospital Center	NA	NA	NA
<b>Pancreas</b>	Maryland	Johns Hopkins Hospital	7	5	8
		University of Maryland Medical Center	25	23	14
	Washington	Children's National Medical Center	NA	NA	NA
		Georgetown University Medical Center	10	13	8
		Inova Fairfax Hospital	5	2	3
		Washington Hospital Center	2	4	3

Source: United Network for Organ Sharing. <<http://optn.transplant.hrsa.gov/>>. Last accessed February 18, 2014.

Notes: "NA" means not applicable; the hospital had zero transplant cases and currently has no transplant program for the organ type indicated. Patients that received multiple organs, such as both heart and lungs or both kidney and pancreas are counted under both types of organs transplanted.

