

**OPTN Liver and Intestinal Organ Transplantation Committee  
Acuity Circles Workgroup  
Meeting Summary  
September 9, 2020  
Conference Call**

**James Trotter, MD, Chair  
James Pomposelli, MD, PhD, Vice Chair**

## **Introduction**

The Acuity Circles Subcommittee (the Subcommittee) met via teleconference on 09/09/2020 to discuss the following agenda items:

1. MMaT around the donor hospital framework options

The following is a summary of the Subcommittee's discussions.

### **1. MMaT around the donor hospital framework options**

The Subcommittee reviewed three framework options for MMaT around the donor hospital and examples of each option:

- Variable Circle Framework: MMaT is based on smallest circle around donor hospital with sufficiently large cohort of transplants
- Fixed Circle Framework: MMaT is based on transplants performed within a fixed distance (i.e. 250 NM or 500 NM) of each donor hospital
- Doughnut Circle Framework: MMaT is calculated separately for each allocation circle

The Subcommittee then reviewed example scenarios using each framework option for various geographic locations and population densities.

#### Summary of Discussion:

A Subcommittee member asked if the three options are programmable. The Subcommittee was informed that all options are programmable, but the complexity varies depending on the framework. A member commented the Variable Circle Framework may be the simplest to program. Another member commented the Fixed Circle Framework doesn't account for variability of geographic location and could potentially over-prioritize exception candidates over lab candidates in certain areas. Members agreed to remove the Doughnut Circle Framework as an option as an option because exception candidates would still be assigned different scores on the same match run. For the Fixed Circle Framework, the members recognized they will need to determine how to calculate MMaT for areas where there are no transplant programs within 250NM of the donor hospital.

A member requested to review the acuity circles allocation sequence and program's current MMaT scores alongside the framework options. The Chair also requested to see more locations modeled with different circle sizes.

#### Next Steps:

The Subcommittee will continue to discuss which framework option and circle size to use in calculating the MMaT around the donor hospital.

## Upcoming Meetings

- September 23
- October 14

## Attendance

- **Subcommittee Members**
  - Peter Abt
  - Diane Alonso
  - Sumeet Asrani
  - Matt Cafarella
  - Derek DuBay
  - Bailey Heiting
  - Julie Heimbach
  - Peter Matthews
  - Shekhar Kubal
  - James Pomposelli
  - Jorge Reyes
  - James Trotter
- **HRSA Representatives**
  - Jim Bowman
  - Marilyn Levi
- **SRTR Staff**
  - Michael Conboy
  - Andrew Wey
- **UNOS Staff**
  - Matthew Cafarella
  - Craig Connors
  - Lindsay Larkin
  - Matt Prentice
  - Leah Slife
  - Karen Williams
  - Amber Wilk