

# Update Post-Transplant Histocompatibility Data Collection

*OPTN Histocompatibility Committee*

# Purpose of Proposal

- Update post-transplant histocompatibility data collection instruments to be consistent with current testing methods
- Add data collection for virtual crossmatching
- Generate Discrepant HLA Typings reports for all potential HLA critical discrepancies

# Background

- **Donor Histocompatibility Form**
  - Filled out within 60 days post-transplant by the original typing lab
  - Contains data on donor HLA typings performed
- **Recipient Histocompatibility Form**
  - Filled out within 60 days post-transplant by each recipient lab
  - Contains data on recipient HLA typing, HLA antibody screening, crossmatching, and donor retyping
- **HLA Discrepant Typings Report**
  - Filled out within 60 days after a non-equivalent HLA value is discovered between different HLA typings within the OPTN Computer System
  - Generated for discrepancies for A, B, and DR loci for kidney and pancreas donors and recipients

# Proposal

- **Donor Histocompatibility Form**

- Remove a net of two data elements related to separate dates and sample sources for HLA typings for Class I and Class II
- Remove two data elements related to typing method (DNA vs. serology)

- **Recipient Histocompatibility Form**

- Remove a net of four data elements related to separate dates and sample sources for HLA typings for Class I and Class II
- Remove four data elements related to typing method (DNA vs. serology)
- Remove outdated testing response options
- Clarify multiple data collection fields/response options
- Add data collection related to virtual crossmatching

# Proposal

- **Discrepant HLA Typings Report**
  - Allow viewing/searching of report and data after submission
  - Add report information as read-only on relevant Donor and Recipient Histocompatibility forms
  - Update the list of discrepancy reasons and add definitions for clarity
  - Remove data collection for “discrepancy not resolvable”
  - Generate for HLA discrepancies for all organs and all loci (about 70 per year)

# Rationale

- Updating and clarifying data collection will allow for more consistent and easier usage
- Data collection on virtual crossmatching will
  - Inform recipient treatment
  - Evaluate impacts of the practice on recipient outcomes, graft outcomes, and cold ischemic time
- Data collection for all potential critical discrepancies will
  - Increase awareness of HLA critical discrepancies
  - Allow for a system-wide perspective of critical HLA discrepancies
  - Better inform future policy updates related to critical HLA discrepancies

# Member Actions

- Histocompatibility labs will need to be aware of revised data collection requirements
- Labs may have a slightly increased number of Discrepant HLA Typings reports to complete
  - There are about 70 discrepancies across the country the Discrepant Typings Report would generate for, some of which are already being generated

# What do you think?

- Is the proposed list of discrepancy reasons comprehensive and clear? Are there any additional reasons you would recommend adding, or any you would recommend clarifying or taking away?
- Would the proposed changes to the Donor and Recipient Histocompatibility Forms be collected within discrete fields within a Laboratory Information System (LIS)? Please specify which data elements may not be collected discretely by all labs if relevant.
- Do you have usability recommendations for any of the post-transplant histocompatibility data collection instruments?



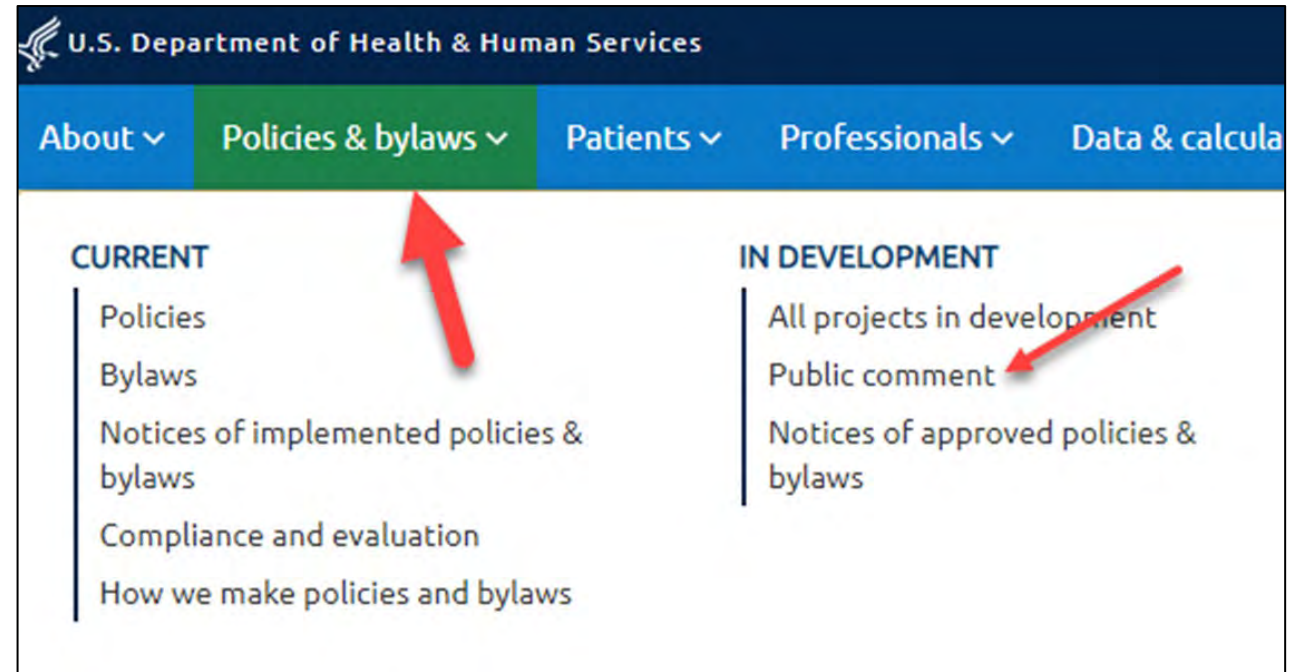
# Additional Questions?

- Courtney Jett, Policy Analyst, [courtney.jett@unos.org](mailto:courtney.jett@unos.org)

# Provide Feedback

Submit public comments on the OPTN website:

- **January 23 – March 19, 2024**
- **[optn.transplant.hrsa.gov](https://optn.transplant.hrsa.gov)**



# Regional Meeting Information

Visit <https://optn.transplant.hrsa.gov/about/regions/regional-meetings/> for the latest regional meeting information and meeting materials



**OPTN** *Organ Procurement & Transplantation Network*

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## Regional meetings

### Regional meetings

Regional meetings are held twice each year during the winter and summer public comment periods. Regional meetings are an opportunity to influence policy proposals, prepare for upcoming changes, and hear perspectives from the transplant community about improvements to organ allocation.

Thank You For Listening!