Standardize an Organ Coding System for Tracking of Organs: Requirements for OPO TransNetSM Use

Operations and Safety Committee
June 6-7, 2016
Board of Directors Meeting





How does this proposal support the OPTN Strategic Plan?

- Primary Strategic Goal Goal 4: Promote living donor and transplant recipient safety
- Promotes transplant recipient safety by using technology to reduce common errors such as illegible labels and transcription errors that can lead to incorrect transplantation





What problem will the proposal solve and how?

Problems:

- Labeling and packaging errors
- Wrong organ delivered or wrong organ/wrong recipient
- Limited in-transit and package information

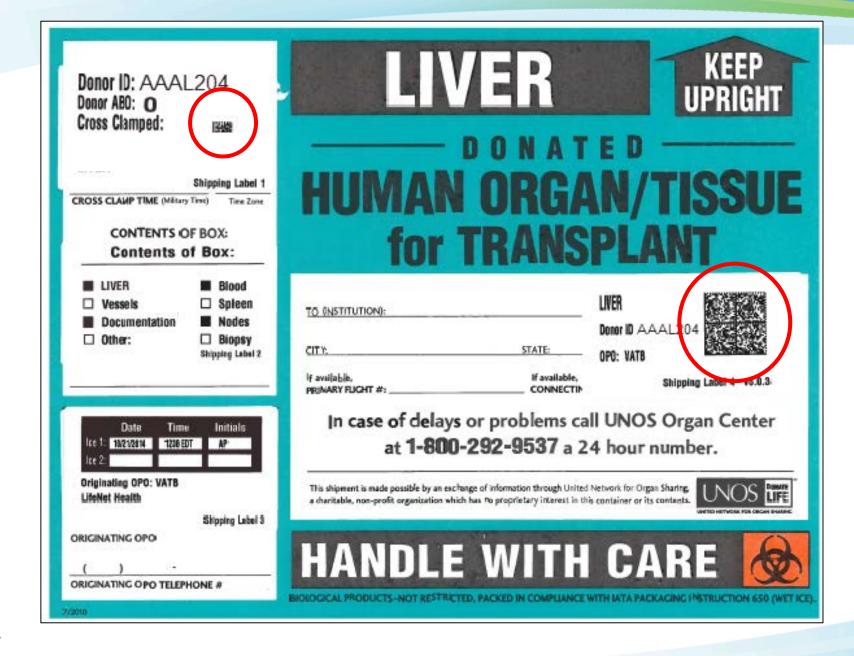
Solution:

- Require OPO TransNet use to package and label organs
- Use downloaded DonorNet data
- Point of care labeling
- Produces print and bar code labels
- Bar code scans for correct donor and shipping manifest
- Package tracking











How was this proposal developed?

- Healthcare Failure Modes and Effects Analysis (FMEA)
- Discovery and Immersion
- Simulation
- Lean methodology
- Training evaluation





Was this proposal changed in response to public comment?....YES

- Two clarifications made:
 - Transplant hospitals are not required to use TransNet when repackaging organs
 - OPOs are not required to use TransNet when packaging living donor organs
- Transplant community widely commented that mandatory transplant hospital use needs to occur as well
- Living Donor Committee urges use in living donors





How will members implement this proposal?

Preparing for TransNet prior to June 1, 2017

- OPOs purchase needed equipment.
- Each tablet/printer set costs ~\$1,000
- OPO Trainers attend and pass proficiency test at UNOS training
 - Train staff at home OPO
- Revise internal protocols, identify and test back-up system





How will members implement this proposal?

Using TransNet effective June 1, 2017

- Use TransNet for printing and scanning donor ID band
- Use TransNet to print all labels for organs and specimens, vessels, and paperwork accompanying organ
- Use TransNet to scan all package contents
- Transmit data to OPTN TransNet website to enable tracking





How will the OPTN implement this proposal?

- IT basic programming exists
- Additional programming for VCA and multi-organ will occur prior to mandatory date
- IT support and maintenance will continue
- 24-7 user support will be provided for 1st three months
- Training is extensive (3-day session) but already developed
- Overall, this is a very large proposal requiring 3,500 total hours to implement.





Overall Project Impact

Product

Policy

Impacted Populations:

Deceased Donors

Total IT Implementation Hours

2,545/12,820

Total Overall Implementation and Maintenance Hours

3,965/19,560



Resolution 9 (page 40)

 RESOLVED, that changes to Policies 1.2 (Definitions), 2.2 (OPO) Responsibilities), 16.1 (Organs Recovered by Living Donor Recovery Hospitals), 16.2 (Packaging and Labeling Responsibilities), 16.3 (Packaging and Labeling), 16.3.B (Internal Labeling of Organs), 16.3.C (Internal Labeling of Blood and Tissue Typing Materials), 16.3.D (Internal Labeling of Vessels), 16.3.E.ii (Mechanical Preservation Machine), 16.3.F (External Labeling), 16.4.A (Organ Packaging Documentation Requirements), and 16.5 (Verification and Recording of Information before Shipping), as set forth below, are hereby approved, effective June 1, 2017.



Extra Slides

After this slide, feel free to include any additional slides you think your Chair may want to pull up if asked certain questions. If you don't include any additional slides, please delete this one and all subsequent slides.





Supporting Evidence

- Barcoding, printing on-demand, and point of care processing are well established technologies/practices used to prevent errors in health care and other industries
- TransNet uses these technologies/practices





Supporting Evidence

- TransNet is widely accepted and currently used by over half of OPOs
- 46 OPOs have attended training and 5 new OPOs are signed up for 2016 training
- 6,947 organs from 2,029 donors have been packaged using TransNet
- Cases were created for 72.4% of all deceased donors among current users
- OPO use must be mandated for transplant hospitals and entire system to reap benefits

