# OPTN Executive Committee 

Meeting Summary
January 9, 2023
Conference Call

Jerry McCauley, MD, MPH, FACP, Chair

## Introduction

The OPTN Executive Committee met via Cisco Webex Meetings teleconference on 01/09/2023 to discuss the following agenda items:

1. Public Comment Proposals from the Policy Oversight Committee (POC)*
2. Clarification to the Continuous Distribution of Lungs Value Tables*

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

1. Public Comment Proposals from the Policy Oversight Committee (POC)*

Dr. Nicole Turgeon, Chair of the Policy Oversight Committee (POC), presented the public comment proposals for Winter 2023 Public Comment. The POC reviewed these proposals and recommended them to the Executive Committee for release for public comment:

- Continuous Distribution of Kidneys and Pancreata Committee Update
- Modify Heart Policy for Intended Incompatible Blood Type (ABOi) Offers to Pediatric Candidates
- Optimizing Usage of Offer Filters
- Ethical Evaluation of Multiple Listing
- Identify Priority Shares in Kidney Multi-Organ Allocation
- Improve Deceased Donor Evaluation for Endemic Diseases
- Require Human Leukocyte Antigen (HLA) Confirmatory Typing for Deceased Donors
- Expand Required Simultaneous Liver-Kidney Allocation
- National Liver Review Board (NLRB) Guidance for Multivisceral Transplant Candidates
- Align OPTN KPD Blood Type Matching Policy and Establish Donor Re-Evaluation Requirements
- Update on Continuous Distribution of Livers and Intestines
- Establish Member System Access, Security Framework, and Incident Management and Reporting Requirements


## Summary of discussion:

When discussing the proposals from the Multi-Organ Transplantation Committee (MOT), a committee member commented that it is important to look at not just the characteristics of a recipient, but to also look at the characteristics of the donor; they suggested that doctors analyze the quality of an organ. Dr. Turgeon explained that the project involves candidates' characteristics when receiving a transplant and what characteristics give them prioritization when receiving a transplant. Dr. Turgeon will take the suggestion back to the committee and commented that the committee could add additional questions to the public comment proposal.

A committee member commented on Ethics Committee's white paper regarding an ethical evaluation of multiple listing. They commended the committee's work and noted that this project was especially
relevant in terms of the National Academies of Sciences, Engineering, and Medicine: Realizing the Promise of Equity in the Organ Transplantation System recommendations.

When discussing how the projects aligned with the strategic goal, a committee member suggested the POC add "decreasing organ non-usage" to the goal of increasing the number of transplants. They thought that organ non-usage may not be getting enough attention and should be at the forefront of policy discussions. Dr. Turgeon agreed and commented that the strategic goals that POC aligns each project with come straight from the strategic plan. She suggested that if the Board would like to see changes in the strategic goals, they should take this into the account when developing the next strategic plan.

Vote:
The Executive Committee voted in unanimous approval to approve the proposed public comment items for Winter 2023.

## Next Steps:

Public comment will occur from January $19^{\text {th }}$ to March $15^{\text {th }}, 2023$.

## 2. Clarification to the Continuous Distribution of Lungs Value Tables*

Marie Budev, Chair of the Lung Transplantation Committee, presented non-substantive clarifications to policy language to correct the value for proportion of incompatible donors based on lung height, and to remove the post-transplant survival probability value for day 1,826.

## Summary of Discussion:

A committee member asked if there were an unintended negative consequences the committee expected to arise from the clarifications, to which Dr. Budev and UNOS staff assured the committee member that there were no negative impacts expected.

Vote:
The Executive Committee voted in unanimous approval for the clarifications to the continuous distribution of lungs value tables. See appendix A.

## Attendance

- Committee Members

O Annette Jackson
o Brad Kornfeld
o Dianne LaPointe Rudow
o Irene Kim
o Jerry McCauley
o Jim Sharrock
o Lloyd Ratner
o Matthew Cooper
o Valinda Jones

- HRSA Representatives
o Chris McLaughlin
o Frank Holloman
o Shannon Taitt
- UNOS Staff
o Alex Tulchinsky
o Anna Messmer
o Cole Fox
O Dale Smith
o Jacqui O’Keefe
o Jason Livingston
o Kaitlin Swanner
o Liz Robbins Callahan
o Maureen McBride
o Morgan Jupe
o Rebecca Murdock
o Roger Brown
o Susan Tlusty
o Susie Sprinson
- Other Attendees
o Marie Budev
o Nicole Turgeon

Appendix A Mini-Brief

# Clarification to Continuous Distribution of Lungs Value Tables 

OPTN Lung Transplantation Committee

Prepared by: Taylor Livelli
UNOS Policy and Community Relations Department

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## Clarification to Continuous Distribution of Lungs Value Tables

Affected Policies:

21.2.B. 2 Probabilities Used in Calculating Lung Post-Transplant Survival 21.2.C. 1 Probability of Incompatible Lung Donors Based on Height

Sponsoring Committee: Lung Transplantation
Executive Committee Meeting: January 9, 2023

## Purpose

This clarification would amend continuous distribution lung allocation policy to:

- Correct values in Table 21-9 Proportion of Incompatible Donors Based on Lung Height to reflect the proportion of incompatible donors based on lung height rather than the candidate height rating scale
- Remove the unnecessary post-transplant survival probability value for day 1826


## Proposed Clarification

## Proportion of Incompatible Donors Based on Lung Height

The height rating scale in the lung composite allocation score (CAS) awards the highest points to the smallest and tallest candidates, as they have a lower chance of finding an appropriate donor match based on height. ${ }^{1}$ The candidate height rating scale is expressed mathematically as follows:

$$
\text { Rating scale }=\left(100^{\text {(proportion height incompatible) }}-1\right) / 99
$$

The "proportion height incompatible" input refers to the proportion of incompatible donors for a given candidate based on their height, which was derived from an analysis of donor heights for accepted lung organ offers by candidate height. ${ }^{2}$ Table 21-9 Proportion of Incompatible Donors Based on Lung Height was intended to reflect this input but currently reflects the output of the formula shown above, which is the rating scale for height. The Lung Transplantation Committee (Committee) proposes correcting Table 21-9 Proportion of Incompatible Donors Based on Lung Height to reflect the proportion of incompatible donors based on lung height rather than the candidate height rating scale.

## Post-Transplant Survival Probability

Policy 21.2.B. 2 Probabilities Used in Calculating Lung Post-Transplant Survival includes a table that displays the baseline post-transplant survival probability as a function of time in days. The OPTN Executive Committee previously approved updating this table to reflect that the baseline survival probability at 0 days post-transplant is 1 , and the baseline survival probability at 1826 days posttransplant is $0.756168 .^{3}$ However, the formula used in policy indicates that the input to the post-

[^0]transplant survival rating scale will extend out to 1826 days, which covers a five-year period with one leap year:
$$
\mathrm{PT}_{i}=\sum_{k=1}^{1826} S_{T X, i}(k)
$$

Day 0 through day 1826 amounts to 1827 days, so day 1826 is not needed, and the Committee proposes removing it.

## Implementation

The Committee proposes implementing these clarifications along with the implementation of Establish Continuous Distribution of Lungs ${ }^{4}$ on March 2, 2023.

Members will not need to take any specific actions. Members can review expected candidate height data points in the OPTN Computer System through reports developed for members in preparation for implementation.

[^1]
## OPTN

## Policy Language

Proposed new language is underlined (example) and language that is proposed for removal is struck through (example)

RESOLVED, that the changes to Policies 21.2.B.2 Probabilities Used in Calculating Lung PostTransplant Survival and 21.2.C. 1 Probability of Incompatible Lung Donors Based on Height, as set forth below, are hereby approved, effective pending implementation and notice to OPTN members.

### 21.2.B.2 Probabilities Used in Calculating Lung Post-Transplant Survival

Table 21-8: Baseline Post-Transplant Survival ( $\mathbf{S}_{\mathrm{TX}}(\mathrm{t})$ ) Probability Where $\mathrm{t}=$ Time in Days
[...]

| $t$ | $S_{\text {TX }}(t)$ |
| :--- | :--- |
| 1826 | 0.756168 |

### 21.2.C. 1 Probability of Incompatible Lung Donors Based on Height

Table 21-9 lists the proportion of incompatible donors based on the candidate's height and diagnosis group.

Table 21-9 Proportion of Incompatible Donors Based on Lung Height

| Candidate <br> height(cm) | Prepertien fer Gandidates in Diagnesis-Groups-A and-G | Prepertion for Gandidates in Diagnosis -Group B | Propertion for Gandidates in Diagnesis Group- - |
| :---: | :---: | :---: | :---: |
| 63 or tess | 0.9949 | 0.9949 | 0.9949 |
| 64 | 0.9916 | 0.9949 | 0.9949 |
| 65 | 0.9916 | 0.9949 | 0.9949 |
| 66 | 0.9899 | 0.9949 | 0.9949 |
| 67 | 0.9882 | 0.9949 | 0.9949 |
| 68 | 0.9882 | 0.9949 | 0.9949 |
| 69 | 0.9882 | 0.9916 | 0.9949 |
| 70 | 0.9882 | 0.9916 | 0.9949 |
| 71 | 0.9866 | 0.9882 | 0.9916 |
| 72 | 0.9866 | 0.9882 | 0.9916 |
| 73 | 0.9849 | 0.9882 | 0.9899 |
| 74 | 0.9849 | 0.9882 | 0.9882 |
| 75 | 0.9849 | 0.9882 | 0.9882 |


| Candidate height (em) | Prepertien for Gandiclates in Diagnosis Groups A ande | Proportion for Candidates in Diagnesis Grotp-B | Prepertion for Candidates in Diagnesis Greup- |
| :---: | :---: | :---: | :---: |
| 76 | 0.9866 | 0.9866 | 0.9882 |
| 77 | 0.9849 | 0.9866 | 0.9882 |
| 78 | 0.9849 | 0.9849 | 0.9866 |
| 79 | 0.9849 | 0.9849 | 0.9866 |
| 80 | 0.9849 | 0.9866 | 0.9849 |
| 81 | 0.9849 | 0.9866 | 0.9849 |
| 82 | 0.9866 | 0.9849 | 0.9849 |
| 83 | 0.9866 | 0.9849 | 0.9849 |
| 84 | 0.9882 | 0.9849 | 0.9833 |
| 85 | 0.9882 | 0.9849 | 0.9849 |
| 86 | 0.9882 | 0.9866 | 0.9849 |
| 87 | 0.9849 | 0.9866 | 0.9849 |
| 88 | 0.9849 | 0.9882 | 0.9849 |
| 89 | 0.9849 | 0.9882 | 0.9849 |
| 90 | 0.9849 | 0.9882 | 0.9849 |
| 91 | 0.9849 | 0.9882 | 0.9866 |
| 92 | 0.9833 | 0.9849 | 0.9866 |
| 93 | 0.9833 | 0.9849 | 0.9882 |
| 94 | 0.9816 | 0.9849 | 0.9849 |
| 95 | 0.9816 | 0.9849 | 0.9849 |
| 96 | 0.9816 | 0.9849 | 0.9849 |
| 97 | 0.9816 | 0.9833 | 0.9849 |
| 98 | 0.9816 | 0.9833 | 0.9849 |
| 99 | 0.9799 | 0.9816 | 0.9833 |
| 100 | 0.9833 | 0.9816 | 0.9833 |
| 101 | 0.9833 | 0.9816 | 0.9816 |
| 102 | 0.9866 | 0.9816 | 0.9816 |
| 103 | 0.9866 | 0.9816 | 0.9816 |
| 104 | 0.9866 | 0.9833 | 0.9816 |
| 105 | 0.9866 | 0.9833 | 0.9816 |
| 106 | 0.9866 | 0.9849 | 0.9799 |
| 107 | 0.9866 | 0.9866 | 0.9799 |


| Gandidate height (em) | Prepertion for Gandiclates in Diagnesis Groups A and- | Propertion for Gandidates in Diagnesis -Gretp-B | Propertion for Gandidates in Diagnesis Greup- |
| :---: | :---: | :---: | :---: |
| 108 | 0.9882 | 0.9866 | 0.9799 |
| 109 | 0.9882 | 0.9866 | 0.9833 |
| 110 | 0.9849 | 0.9866 | 0.9833 |
| 114 | 0.9849 | 0.9882 | 0.9849 |
| 112 | 0.9833 | 0.9866 | 0.9866 |
| 113 | 0.9833 | 0.9882 | 0.9866 |
| 114 | 0.9833 | 0.9882 | 0.9849 |
| 115 | 0.9799 | 0.9849 | 0.9849 |
| 116 | 0.9766 | 0.9849 | 0.9866 |
| 117 | 0.9701 | 0.9833 | 0.9833 |
| 118 | 0.9619 | 0.9833 | 0.9849 |
| 119 | 0.9603 | 0.9833 | 0.9833 |
| 120 | 0.9442 | 0.9799 | 0.9816 |
| 121 | 0.9394 | 0.9766 | 0.9816 |
| 122 | 0.9268 | 0.9652 | 0.9799 |
| 123 | 0.9206 | 0.9603 | 0.9766 |
| 124 | 0.9175 | 0.9603 | 0.9701 |
| 125 | 0.8825 | 0.9442 | 0.9619 |
| 126 | 0.8810 | 0.9394 | 0.9603 |
| 127 | 0.8247 | 0.9206 | 0.9442 |
| 128 | 0.7933 | 0.9206 | 0.9394 |
| 129 | 0.7879 | 0.9175 | 0.9268 |
| 130 | 0.7130 | 0.8825 | 0.9175 |
| 131 | 0.7118 | 0.8810 | 0.9144 |
| 132 | 0.6235 | 0.7986 | 0.8825 |
| 133 | 0.5776 | 0.7933 | 0.8810 |
| 134 | 0.5698 | 0.7892 | 0.8247 |
| 135 | 0.4756 | 0.7130 | 0.7919 |
| 136 | 0.4359 | 0.7105 | 0.7866 |
| 137 | 0.4220 | 0.6235 | 0.7118 |
| 138 | 0.3223 | 0.5776 | 0.7105 |
| 139 | 0.3129 | 0.5708 | 0.6235 |


| Gandidate height (em) | Prepertion for Gandiclates in Diagnesis Groups A and- | Propertion for Gandidates in Diagnesis -Gretp-B | Propertion for Gandidates in Diagnesis Greup- |
| :---: | :---: | :---: | :---: |
| 140 | 0.2375 | 0.4435 | 0.5776 |
| 141 | 0.2106 | 0.4345 | 0.5698 |
| 142 | 0.2047 | 0.4220 | 0.4748 |
| 143 | 0.1359 | 0.3223 | 0.4352 |
| 144 | 0.1316 | 0.3129 | 0.4220 |
| 145 | 0.0998 | 0.2173 | 0.3223 |
| 146 | 0.0897 | 0.2097 | 0.3129 |
| 147 | 0.0865 | 0.2051 | 0.2375 |
| 148 | 0.0590 | 0.1359 | 0.2106 |
| 149 | 0.0576 | 0.1316 | 0.2047 |
| 150 | 0.0447 | 0.0910 | 0.1357 |
| 151 | 0.0388 | 0.0897 | 0.1314 |
| 152 | 0.0376 | 0.0869 | 0.0998 |
| 153 | 0.0226 | 0.0590 | 0.0893 |
| 154 | 0.0222 | 0.0576 | 0.0862 |
| 155 | 0.0161 | 0.0401 | 0.0587 |
| 156 | 0.0142 | 0.0390 | 0.0574 |
| 157 | 0.0134 | 0.0379 | 0.0447 |
| 158 | 0.0072 | 0.0227 | 0.0387 |
| 159 | 0.0070 | 0.0221 | 0.0373 |
| 160 | 0.0055 | 0.0143 | 0.0221 |
| 161 | 0.0051 | 0.0142 | 0.0217 |
| 162 | 0.0049 | 0.0137 | 0.0157 |
| 163 | 0.0045 | 0.0072 | 0.0137 |
| 164 | 0.0046 | 0.0070 | 0.0129 |
| 165 | 0.0046 | 0.0061 | 0.0067 |
| 166 | 0.0052 | 0.0051 | 0.0066 |
| 167 | 0.0052 | 0.0059 | 0.0053 |
| 168 | 0.0080 | 0.0046 | 0.0045 |
| 169 | 0.0082 | 0.0047 | 0.0043 |
| 170 | 0.0084 | 0.0061 | 0.0031 |
| 171 | 0.0133 | 0.0052 | 0.0031 |


| Gandidate height (em) | Prepertion for Gandiclates in Diagnesis Groups A and- | Propertion for Gandidates in Diagnesis -Gretp-B | Propertion for Gandidates in Diagnesis Greup- |
| :---: | :---: | :---: | :---: |
| 172 | 0.0137 | 0.0073 | 0.0039 |
| 173 | 0.0163 | 0.0082 | 0.0036 |
| 174 | 0.0215 | 0.0084 | 0.0037 |
| 175 | 0.0224 | 0.0136 | 0.0049 |
| 176 | 0.0362 | 0.0136 | 0.0048 |
| 177 | 0.0378 | 0.0144 | 0.0068 |
| 178 | 0.0438 | 0.0215 | 0.0079 |
| 179 | 0.0617 | 0.0224 | 0.0081 |
| 180 | 0.0640 | 0.0361 | 0.0132 |
| 181 | 0.0939 | 0.0375 | 0.0135 |
| 182 | 0.0955 | 0.0388 | 0.0142 |
| 183 | 0.1090 | 0.0617 | 0.0215 |
| 184 | 0.1427 | 0.0639 | 0.0224 |
| 185 | 0.1458 | 0.0939 | 0.0359 |
| 186 | 0.2008 | 0.0953 | 0.0373 |
| 187 | 0.2084 | 0.0987 | 0.0386 |
| 188 | 0.2128 | 0.1427 | 0.0617 |
| 189 | 0.3189 | 0.1458 | 0.0639 |
| 190 | 0.3256 | 0.1823 | 0.0939 |
| 191 | 0.4397 | 0.2062 | 0.0953 |
| 192 | 0.4473 | 0.2124 | 0.0987 |
| 193 | 0.4589 | 0.3189 | 0.1427 |
| 194 | 0.6440 | 0.3250 | 0.1458 |
| 195 | 0.6539 | 0.4036 | 0.1823 |
| 196 | 0.7591 | 0.4435 | 0.2062 |
| 197 | 0.7668 | 0.4589 | 0.2124 |
| 198 | 0.7773 | 0.6440 | 0.3189 |
| 199 | 0.8795 | 0.6539 | 0.3250 |
| 200 | 0.8840 | 0.7154 | 0.4036 |
| 201 | 0.9021 | 0.7643 | 0.4435 |
| 202 | 0.9458 | 0.7773 | 0.4589 |
| 203 | 0.9458 | 0.8795 | 0.6440 |


| Gandidate height (cm) | Prepertien fer Gandidates in Diagnesis-Groups-A zade | Prepertion for Gandiclates in Diagnesis Group B | Propertion for Gandidates in Diagnesis Group-D |
| :---: | :---: | :---: | :---: |
| 204 | 0.9684 | 0.8825 | 0.6539 |
| 205 | 0.9750 | 0.8900 | 0.7154 |
| 206 | 0.9783 | 0.9458 | 0.7643 |
| 207 | 0.9882 | 0.9458 | 0.7773 |
| 208 | 0.9882 | 0.9684 | 0.8795 |
| 209 | 0.9949 | 0.9733 | 0.8825 |
| 210 | 0.9949 | 0.9750 | 0.8900 |
| 211 | 0.9949 | 0.9882 | 0.9458 |
| 212 | 0.9949 | 0.9882 | 0.9458 |
| 213 | 0.9966 | 0.9949 | 0.9684 |
| 214 | 1.0000 | 0.9949 | 0.9733 |
| 215 | 1.0000 | 0.9949 | 0.9750 |
| 216 | 1.0000 | 0.9949 | 0.9882 |
| 217 | 1.0000 | 0.9966 | 0.9882 |
| 218 | 1.0000 | 1.0000 | 0.9949 |
| 219 | 1.0000 | 1.0000 | 0.9949 |
| 220 | 1.0000 | 1.0000 | 0.9949 |
| 221 | 1.0000 | 1.0000 | 0.9949 |
| 222 | 1.0000 | 1.0000 | 0.9966 |
| 223-0r more | 1.0000 | 1.0000 | 1.0000 |


| Candidate height (cm) | Proportion for Candidates in Diagnosis Groups A and C | Proportion for <br> Candidates in Diagnosis Group B | Proportion for <br> Candidates in Diagnosis Group D |
| :---: | :---: | :---: | :---: |
| $\frac{63 \text { or }}{\text { less }}$ | 0.9989 | 0.9989 | 0.9989 |
| 64 | 0.9982 | 0.9989 | 0.9989 |
| 65 | 0.9982 | 0.9989 | 0.9989 |
| 66 | 0.9978 | $\underline{0.9989}$ | 0.9989 |
| $\underline{67}$ | $\underline{0.9975}$ | 0.9989 | $\underline{0.9989}$ |
| 68 | 0.9975 | 0.9989 | 0.9989 |
| 69 | 0.9975 | 0.9982 | 0.9989 |
| 70 | 0.9975 | 0.9982 | 0.9989 |
| 71 | $\underline{0.9971}$ | $\underline{0.9975}$ | $\underline{0.9982}$ |


| Candidate <br> height (cm) | Proportion for Candidates in Diagnosis Groups A and C | Proportion for Candidates in Diagnosis Group B | Proportion for Candidates in Diagnosis Group D |
| :---: | :---: | :---: | :---: |
| 72 | 0.9971 | 0.9975 | 0.9982 |
| 73 | 0.9967 | 0.9975 | 0.9978 |
| $\underline{74}$ | $\underline{0.9967}$ | $\underline{0.9975}$ | 0.9975 |
| $\underline{75}$ | $\underline{0.9967}$ | $\underline{0.9975}$ | 0.9975 |
| $\underline{76}$ | $\underline{0.9971}$ | 0.9971 | 0.9975 |
| 77 | 0.9967 | 0.9971 | 0.9975 |
| $\underline{78}$ | $\underline{0.9967}$ | 0.9967 | 0.9971 |
| $\underline{79}$ | 0.9967 | 0.9967 | 0.9971 |
| 80 | 0.9967 | 0.9971 | 0.9967 |
| $\underline{81}$ | 0.9967 | 0.9971 | 0.9967 |
| $\underline{82}$ | $\underline{0.9971}$ | $\underline{0.9967}$ | $\underline{0.9967}$ |
| 83 | 0.9971 | 0.9967 | 0.9967 |
| 84 | 0.9975 | 0.9967 | 0.9964 |
| $\underline{85}$ | 0.9975 | 0.9967 | 0.9967 |
| $\underline{86}$ | $\underline{0.9975}$ | 0.9971 | 0.9967 |
| $\underline{87}$ | $\underline{0.9967}$ | 0.9971 | 0.9967 |
| 88 | 0.9967 | 0.9975 | 0.9967 |
| 89 | $\underline{0.9967}$ | 0.9975 | 0.9967 |
| $\underline{\underline{90}}$ | $\underline{0.9967}$ | $\underline{0.9975}$ | 0.9967 |
| $\underline{\underline{91}}$ | $\underline{0.9967}$ | $\underline{0.9975}$ | 0.9971 |
| $\underline{\underline{92}}$ | 0.9964 | $\underline{0.9967}$ | 0.9971 |
| $\underline{\underline{93}}$ | $\underline{0.9964}$ | 0.9967 | 0.9975 |
| $\underline{94}$ | $\underline{0.9960}$ | 0.9967 | 0.9967 |
| $\underline{\underline{95}}$ | $\underline{0.9960}$ | $\underline{0.9967}$ | 0.9967 |
| $\underline{96}$ | 0.9960 | 0.9967 | 0.9967 |
| $\underline{\underline{97}}$ | $\underline{0.9960}$ | 0.9964 | 0.9967 |
| $\underline{98}$ | $\underline{0.9960}$ | 0.9964 | 0.9967 |
| $\underline{\underline{99}}$ | $\underline{0.9956}$ | 0.9960 | 0.9964 |
| $\underline{100}$ | 0.9964 | 0.9960 | 0.9964 |
| $\underline{101}$ | $\underline{0.9964}$ | $\underline{0.9960}$ | 0.9960 |
| $\underline{102}$ | $\underline{0.9971}$ | 0.9960 | 0.9960 |
| 103 | 0.9971 | 0.9960 | 0.9960 |
| $\underline{104}$ | 0.9971 | 0.9964 | 0.9960 |
| $\underline{105}$ | 0.9971 | 0.9964 | 0.9960 |
| $\underline{106}$ | 0.9971 | 0.9967 | 0.9956 |
| 107 | 0.9971 | 0.9971 | 0.9956 |
| 108 | $\underline{0.9975}$ | $\underline{0.9971}$ | 0.9956 |
| $\underline{109}$ | 0.9975 | 0.9971 | 0.9964 |
| $\underline{110}$ | 0.9967 | 0.9971 | 0.9964 |
| $\underline{111}$ | 0.9967 | 0.9975 | 0.9967 |
| $\underline{112}$ | 0.9964 | 0.9971 | 0.9971 |
| $\underline{113}$ | $\underline{0.9964}$ | 0.9975 | 0.9971 |
| $\underline{114}$ | $\underline{0.9964}$ | 0.9975 | 0.9967 |


| Candidate <br> height $(\mathrm{cm})$ | Proportion for Candidates <br> in Diagnosis Groups A and <br> C | Proportion for <br> Candidates in Diagnosis <br> Group B | Proportion for <br> Candidates in Diagnosis <br> Group |
| ---: | ---: | ---: | ---: |
| $\underline{115}$ | $\underline{0.9956}$ | $\underline{0.9967}$ | $\underline{0.9967}$ |
| $\underline{116}$ | $\underline{0.9949}$ | $\underline{0.9967}$ | $\underline{0.9971}$ |
| $\underline{117}$ | $\underline{0.9935}$ | $\underline{0.9917}$ | $\underline{0.9964}$ |


| Candidate height (cm) | Proportion for Candidates in Diagnosis Groups A and C | Proportion for Candidates in Diagnosis Group B | Proportion for Candidates in Diagnosis Group D |
| :---: | :---: | :---: | :---: |
| $\underline{158}$ | 0.1165 | $\underline{0.2555}$ | $\underline{0.3419}$ |
| $\underline{159}$ | 0.1143 | 0.2519 | 0.3358 |
| $\underline{160}$ | $\underline{0.0947}$ | $\underline{0.1917}$ | $\underline{0.2515}$ |
| $\underline{161}$ | 0.0889 | 0.1909 | 0.2490 |
| 162 | $\underline{0.0857}$ | $\underline{0.1866}$ | $\underline{0.2040}$ |
| 163 | 0.0806 | 0.1165 | 0.1858 |
| $\underline{164}$ | 0.0820 | $\underline{0.1140}$ | $\underline{0.1789}$ |
| $\underline{165}$ | 0.0809 | 0.1027 | 0.1103 |
| $\underline{166}$ | 0.0897 | 0.0893 | 0.1089 |
| $\underline{167}$ | 0.0904 | $\underline{0.0998}$ | 0.0918 |
| $\underline{168}$ | $\underline{0.1267}$ | $\underline{0.0820}$ | $\underline{0.0799}$ |
| $\underline{169}$ | 0.1285 | $\underline{0.0824}$ | 0.0770 |
| 170 | 0.1310 | 0.1027 | 0.0588 |
| $\underline{171}$ | 0.1822 | $\underline{0.0900}$ | 0.0584 |
| $\underline{172}$ | 0.1862 | 0.1183 | 0.0708 |
| $\underline{173}$ | 0.2083 | $\underline{0.1296}$ | 0.0664 |
| $\underline{174}$ | 0.2479 | 0.1310 | 0.0679 |
| $\underline{175}$ | $\underline{0.2541}$ | $\underline{0.1848}$ | $\underline{0.0857}$ |
| $\underline{176}$ | 0.3307 | 0.1855 | 0.0838 |
| $\underline{177}$ | 0.3379 | 0.1924 | 0.1118 |
| $\underline{178}$ | 0.3637 | 0.2479 | 0.1252 |
| $\underline{179}$ | $\underline{0.4258}$ | 0.2541 | 0.1281 |
| $\underline{180}$ | 0.4327 | $\underline{0.3303}$ | $\underline{0.1815}$ |
| $\underline{181}$ | 0.5064 | $\underline{0.3368}$ | $\underline{0.1840}$ |
| $\underline{182}$ | 0.5096 | 0.3423 | 0.1909 |
| $\underline{183}$ | 0.5358 | 0.4258 | 0.2479 |
| $\underline{184}$ | 0.5898 | $\underline{0.4323}$ | $\underline{0.2537}$ |
| $\underline{185}$ | 0.5942 | 0.5064 | 0.3292 |
| $\underline{186}$ | $\underline{0.6599}$ | $\underline{0.5093}$ | $\underline{0.3358}$ |
| $\underline{187}$ | 0.6675 | 0.5162 | 0.3416 |
| $\underline{188}$ | 0.6719 | 0.5898 | 0.4258 |
| $\underline{189}$ | 0.7564 | 0.5942 | 0.4323 |
| $\underline{190}$ | $\underline{0.7608}$ | $\underline{0.6399}$ | 0.5064 |
| $\underline{191}$ | 0.8243 | $\underline{0.6653}$ | 0.5093 |
| $\underline{192}$ | 0.8279 | 0.6715 | 0.5162 |
| $\underline{193}$ | 0.8334 | 0.7564 | 0.5898 |
| 194 | 0.9056 | 0.7604 | 0.5942 |
| $\underline{195}$ | 0.9089 | 0.8062 | $\underline{0.6399}$ |
| 196 | 0.9408 | 0.8261 | 0.6653 |
| $\underline{197}$ | 0.9430 | 0.8334 | $\underline{0.6715}$ |
| 198 | 0.9459 | 0.9056 | 0.7564 |
| $\underline{199}$ | 0.9724 | 0.9089 | 0.7604 |
| 200 | 0.9735 | 0.9281 | 0.8062 |


| Candidate <br> height $(\mathrm{cm})$ | Proportion for Candidates <br> in Diagnosis Groups A and <br> c | Proportion for <br> Candidates in Diagnosis <br> Group B | Proportion for <br> Candidates in Diagnosis <br> Group D <br> $\underline{\underline{201}}$$\quad \underline{\underline{0.9779}}$ |
| ---: | ---: | ---: | ---: |


[^0]:    1 "Establish Continuous Distribution of Lungs," OPTN, Briefing Paper, accessed December 21, 2022, https://optn.transplant.hrsa.gov/media/esjb4ztn/20211206-bp-lung-establish-cont-dist-lungs.pdf. ${ }^{2}$ Ibid.
    ${ }^{3}$ Summary for October 26, 2022 meeting, OPTN Executive Committee, accessed December 23, 2022, https://optn.transplant.hrsa.gov/media/eulpysab/20221026 executive-committee summary.pdf.

[^1]:    4 "Establish Continuous Distribution of Lungs," OPTN, Notice of OPTN Policy Changes, accessed December 21, 2022, https://optn.transplant.hrsa.gov/media/b13dlep2/policy-notice_lung continuous-distribution.pdf.

