

OPTN Liver and Intestinal Organ Transplantation Committee

Winter 2022

Committee Update

- Acuity Circles: 18 Month Monitoring Report Highlights
- Ongoing Review of National Liver Review Board (NLRB) Diagnoses
- Project Updates

Acuity Circles

18 Month Monitoring Report Highlights

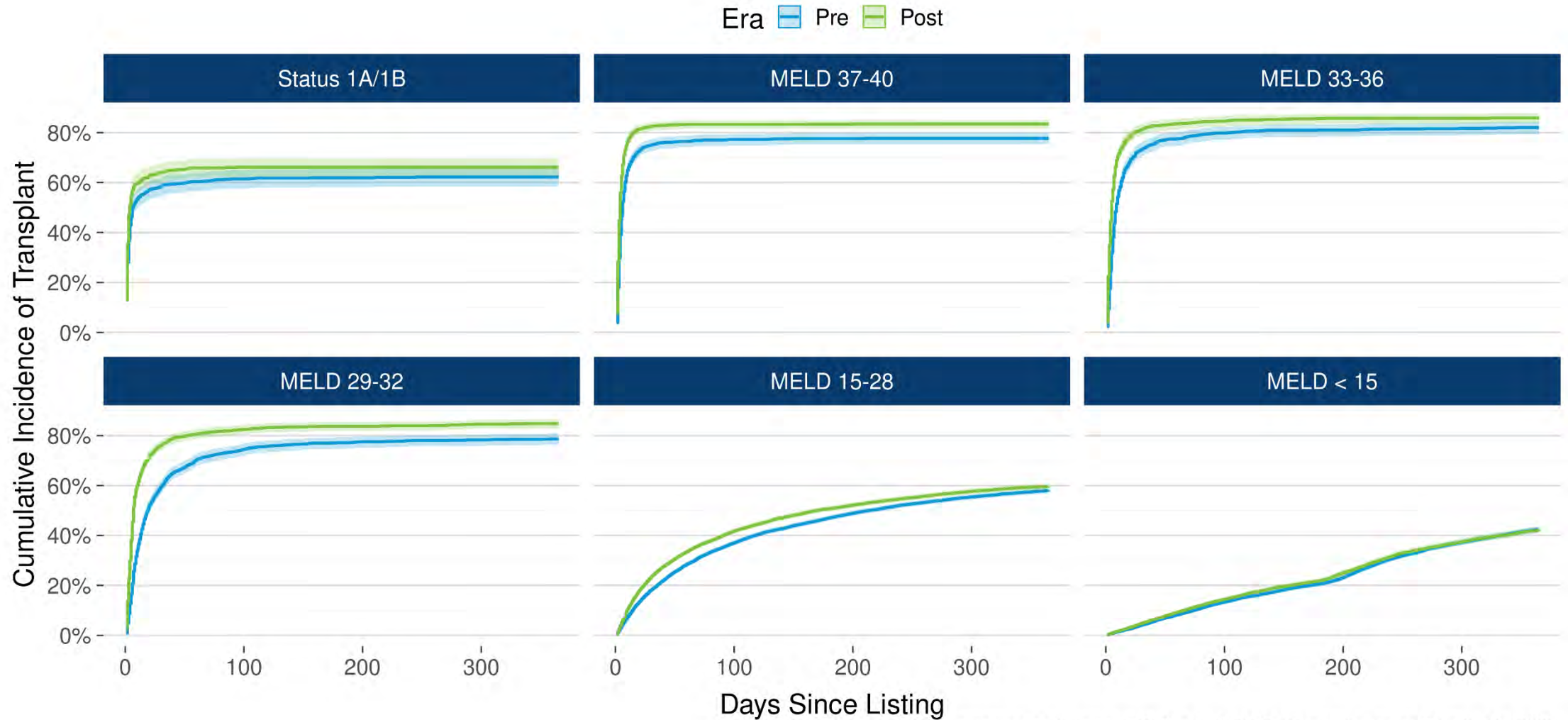
Cohorts

- **18 months pre- and post-AC implementation**
 - **Pre-Policy: 8/6/2018-2/3/2020**
 - **Post-Policy: 2/4/2020-8/3/2021**
-
- Analysis based on OPTN data as of November 19, 2021

National Summary

Metric	Age Group	Pre-Policy	Post-Policy	Difference (Post-Pre)
Waitlist Additions	Adult (18+ at listing)	18,824	19,272	448
	Pediatric (<18 at listing)	1,028	945	-83
Waitlist Removals for Death/Too Sick	Adult (18+ at listing)	3,077	2,956	-121
	Pediatric (<18 at listing)	55	43	-12
Deceased Donor Liver-Alone Transplants	Adult (18+ at transplant)	10,436	11,006	570
	Pediatric (<18 at transplant)	604	600	-4
Liver Multi-Organ Transplants	All Ages	1,240	1,344	104
Liver Donors Recovered	Adult (18+ at donation)	12,485	13,244	759
	Pediatric (<18 at donation)	1,056	1,032	-24

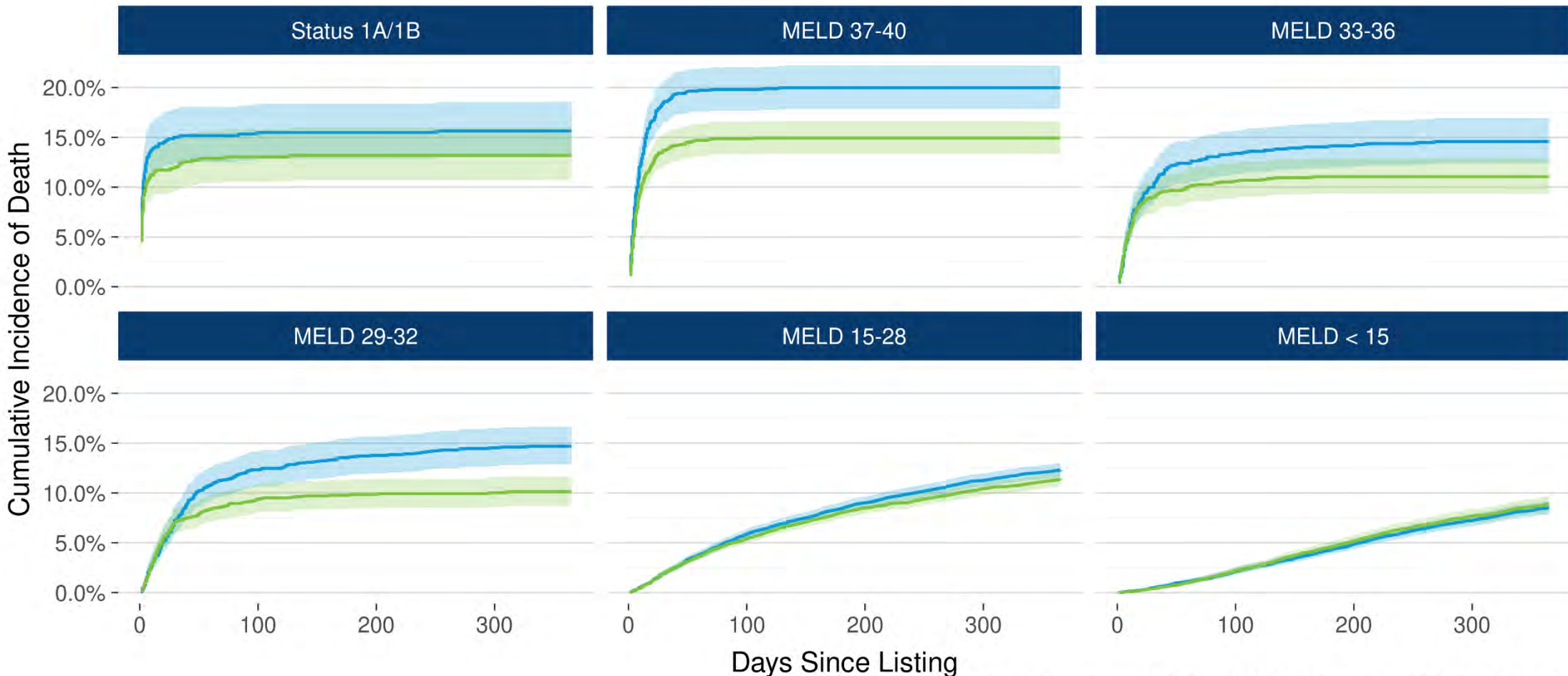
Cumulative Incidence of Transplant for Liver Waitlist Additions by MELD or PELD Score or Status and Era



National state of emergency declared in US due to COVID-19 pandemic on March 13, 2020.
 Pre-Policy: 08/06/2018 - 02/03/2020; Post-Policy: 02/04/2020 - 08/03/2021.

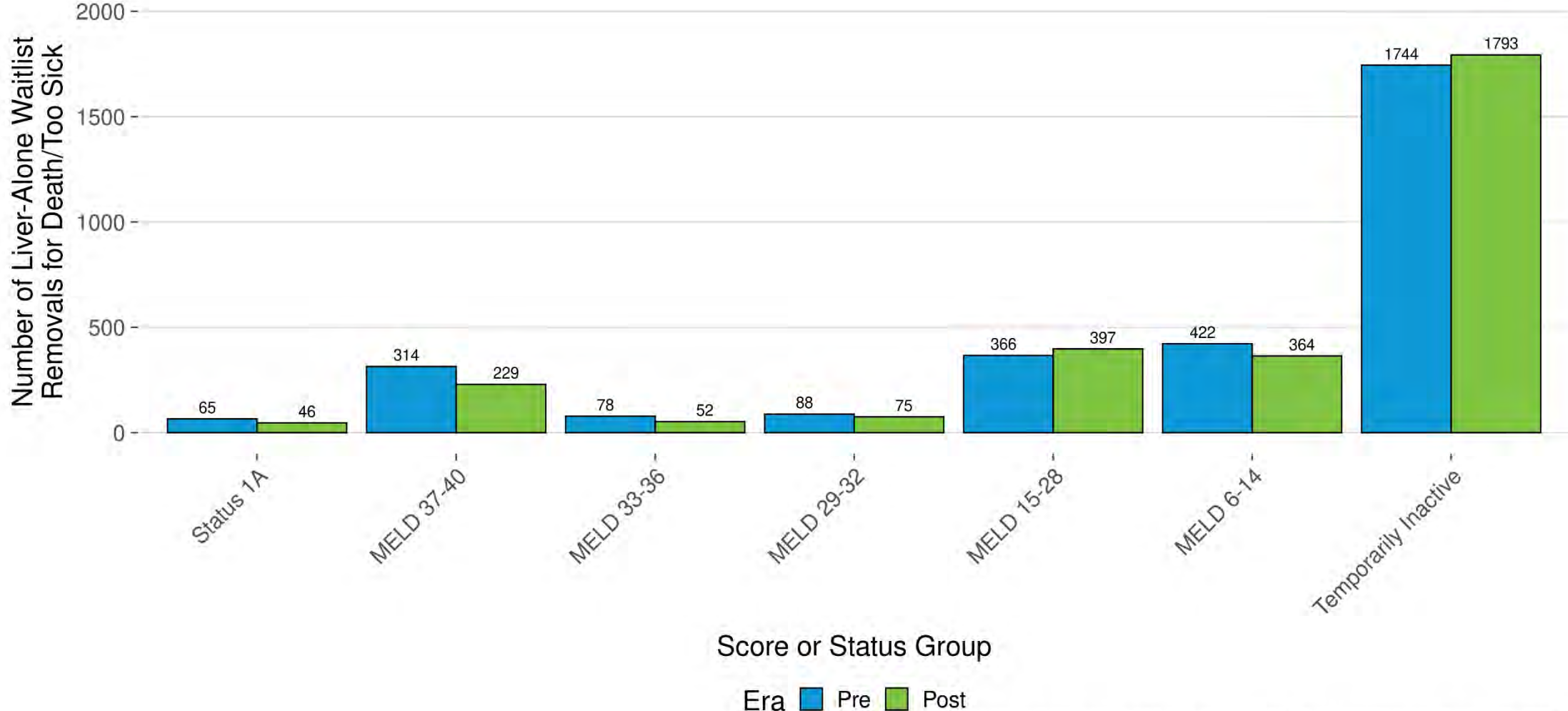
Cumulative Incidence of Removal for Death/Too Sick for Liver Waitlist Additions by MELD or PELD Score or Status and Era

Era ■ Pre ■ Post



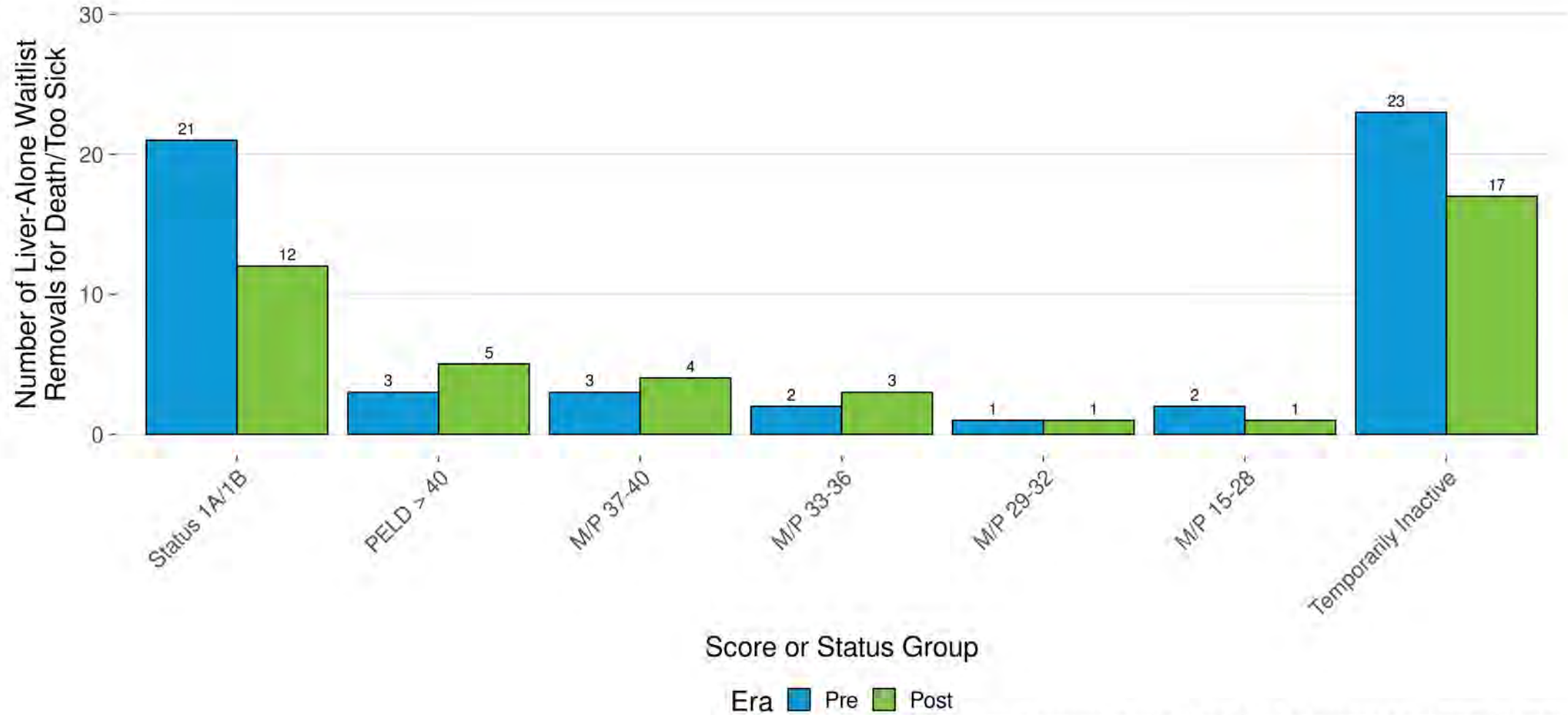
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Adult Liver-Alone Registrations Removed for Death/Too Sick by MELD Score or Status Group and Era



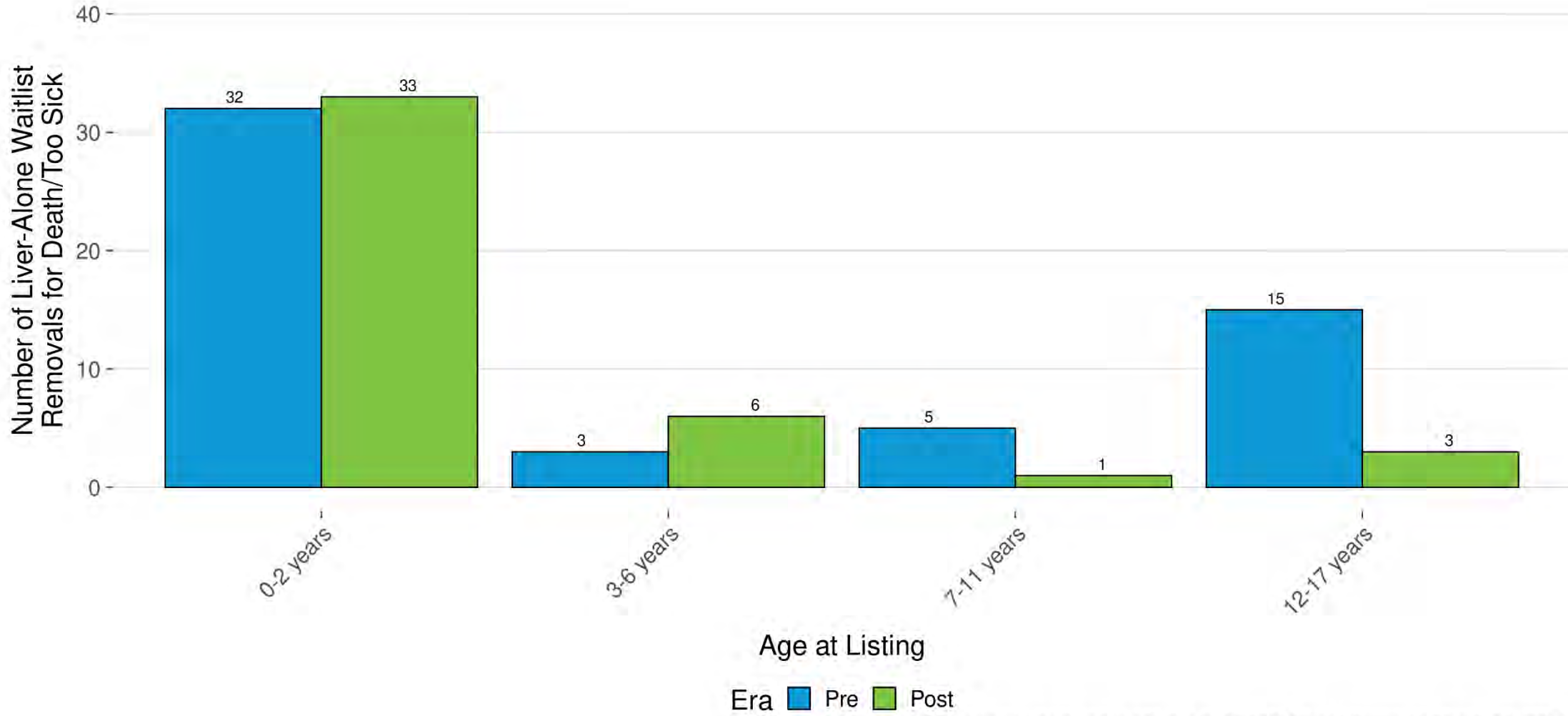
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Pediatric Liver-Alone Registrations Removed for Death/Too Sick by MELD or PELD Score or Status Group



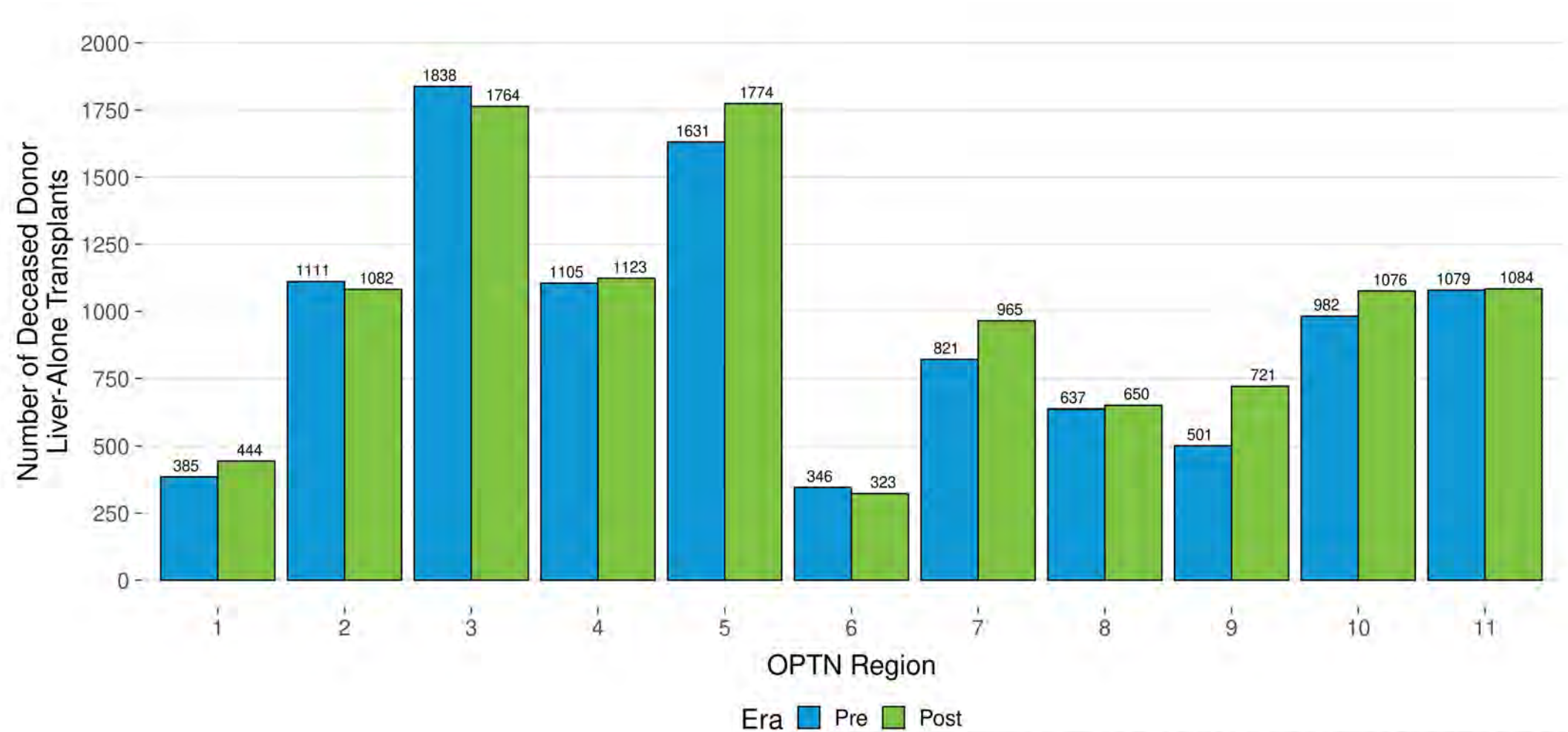
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Pediatric Liver-Alone Registrations Removed for Death/Too Sick by Age at Listing and Era



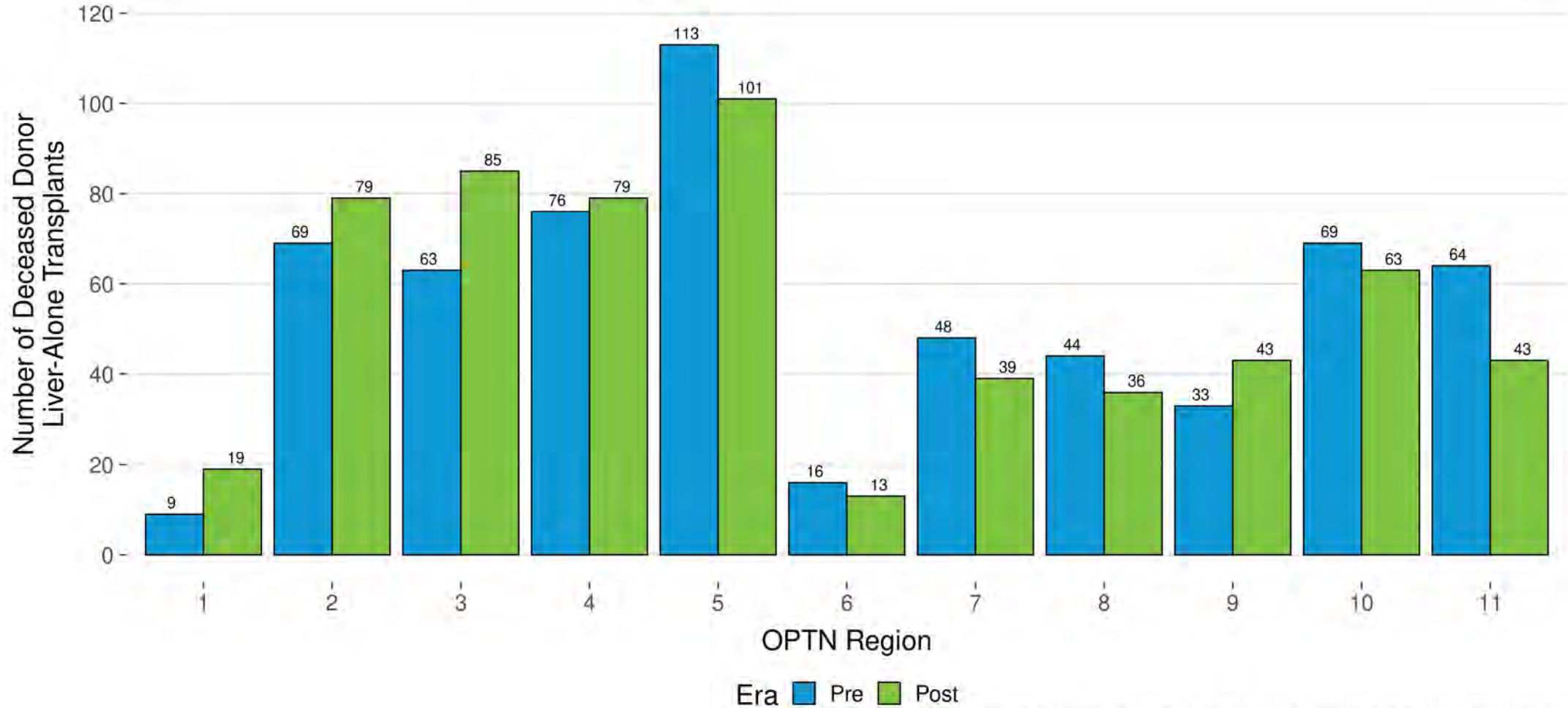
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Pre-Policy: 08/06/2018 - 02/03/2020; Post-Policy: 02/04/2020 - 08/03/2021.

Adult Deceased Donor Liver-Alone Transplants by OPTN Region and Era



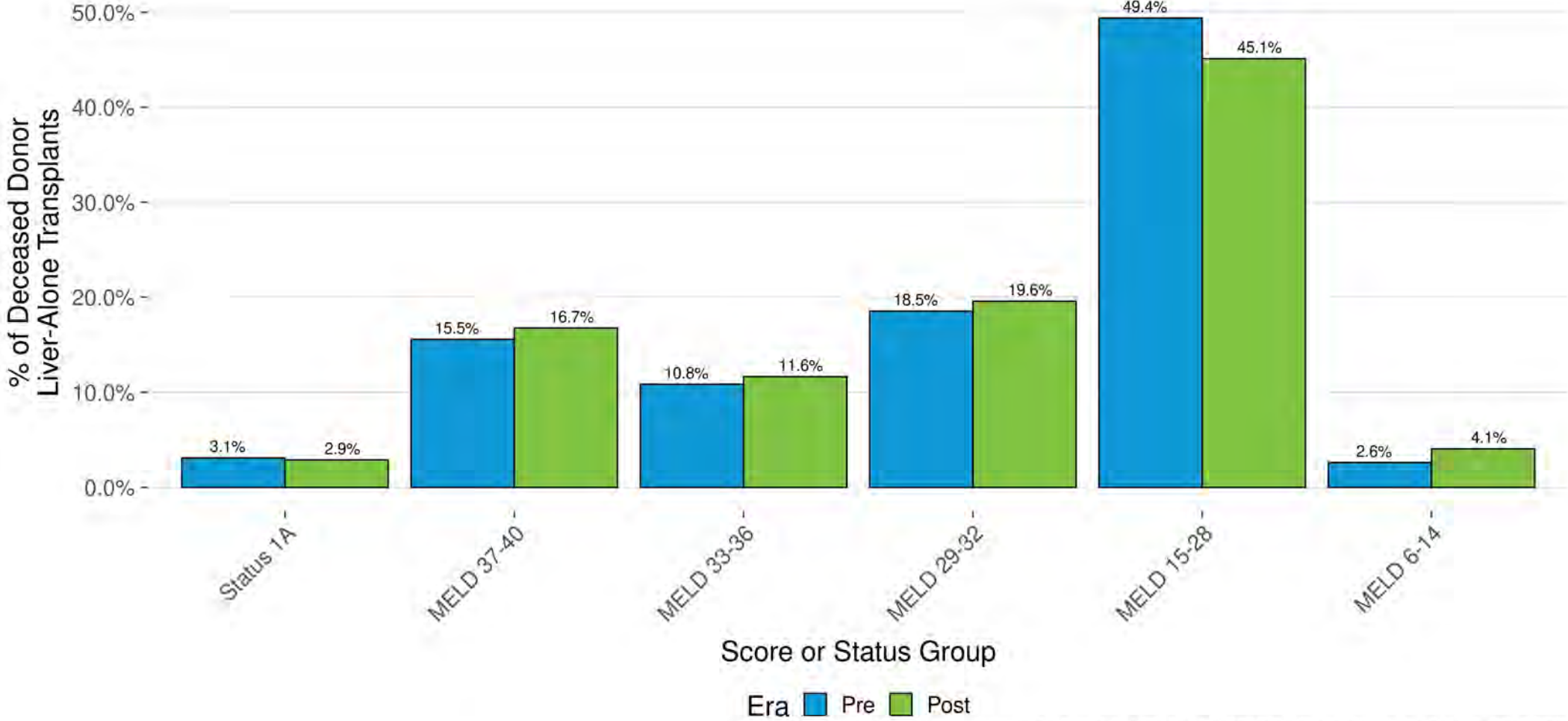
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Pediatric Deceased Donor Liver-Alone Transplants by OPTN Region and Era



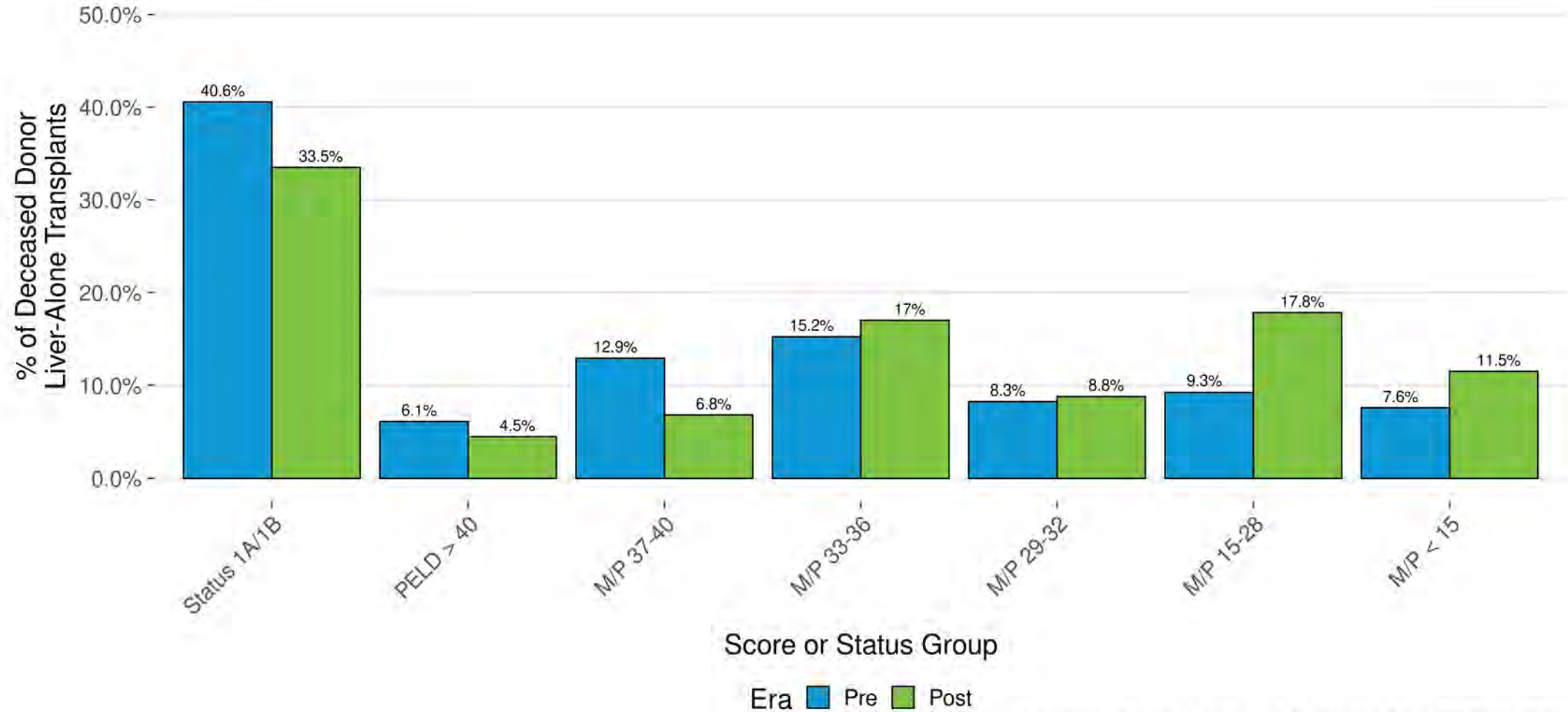
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Adult Deceased Donor Liver-Alone Transplants by Allocation MELD Score/Status and Era



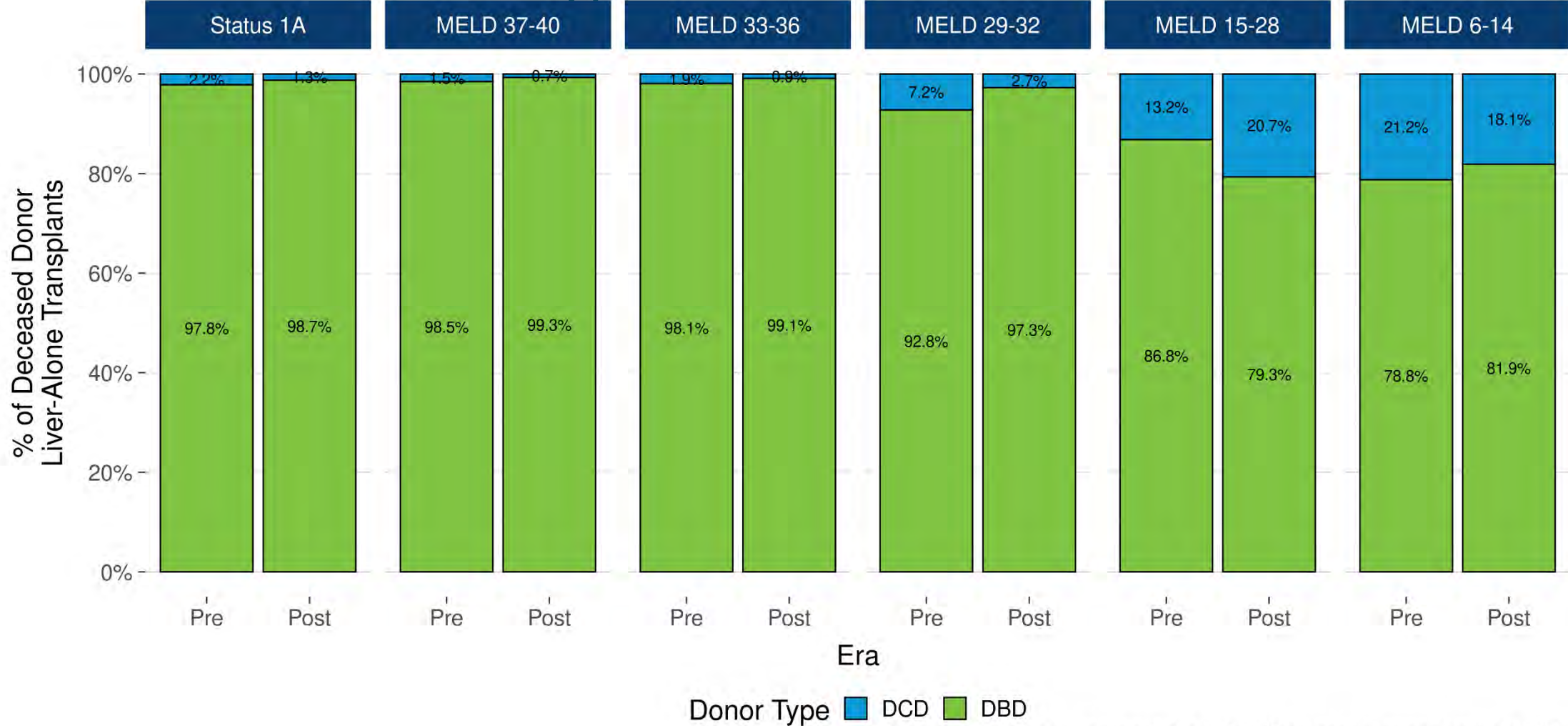
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Pediatric Deceased Donor Liver-Alone Transplants by Allocation MELD or PELD Score or Status and Era



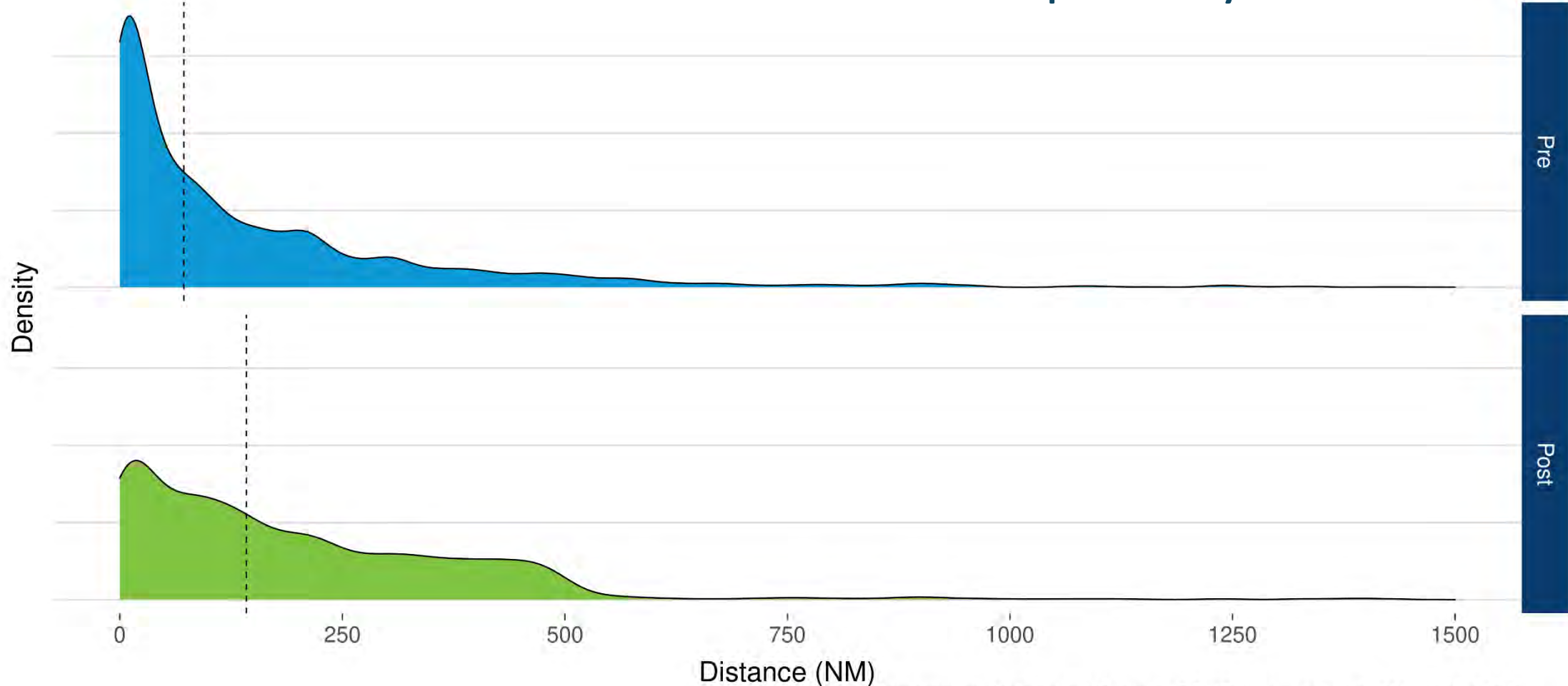
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Adult Deceased Donor Liver-Alone Transplants by Allocation MELD Score or Status, Donor Type, and Era



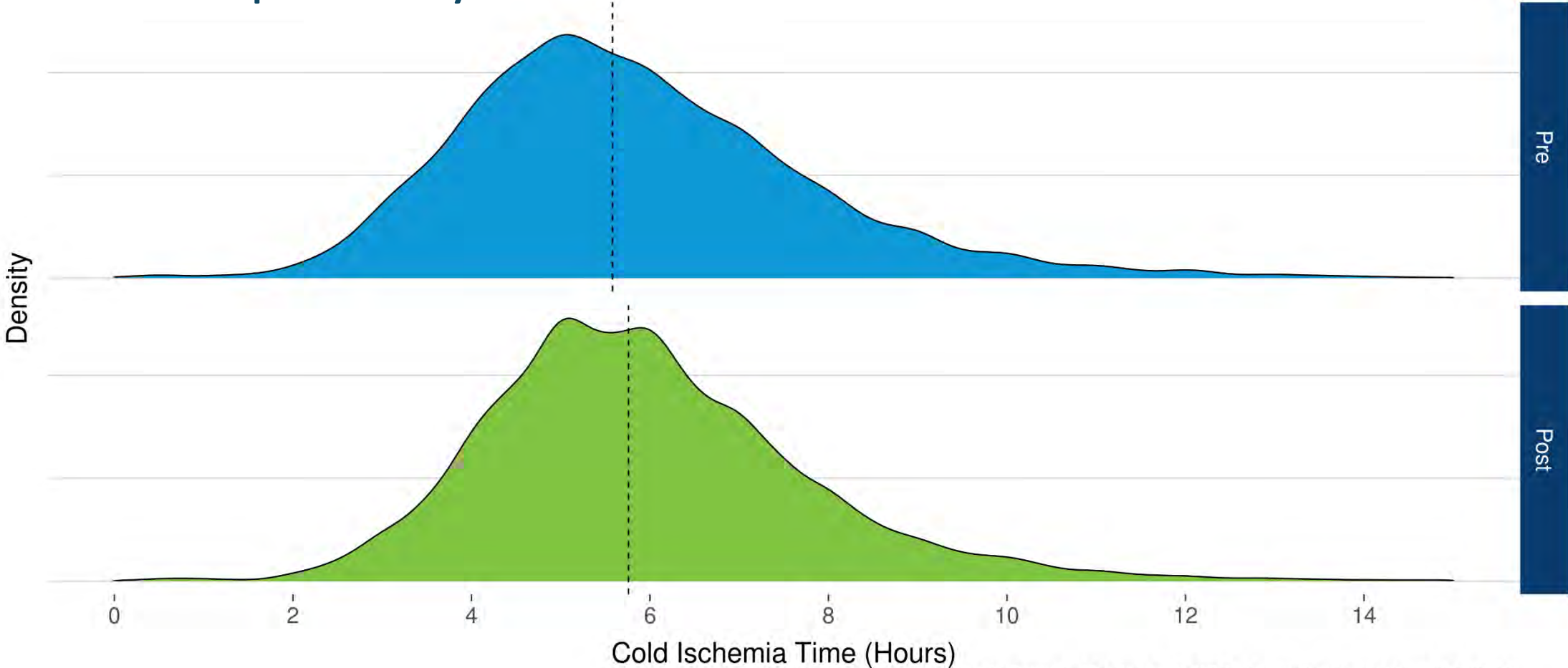
National state of emergency declared in US due to COVID-19 pandemic on March 13, 2020.
 Pre-Policy: 08/06/2018 - 02/03/2020; Post-Policy: 02/04/2020 - 08/03/2021.

Distribution of Distance from Donor Hospital to Transplant Program for Adult Deceased Donor Liver-Alone Transplant by Era



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Pre-Policy: 08/06/2018 - 02/03/2020; Post-Policy: 02/04/2020 - 08/03/2021.
** Dotted lines indicate median distance within each era.
*** There were 24 pre-policy and 24 post-policy transplants with distance >1500 NM not included.

Distribution of Cold Ischemia Time for Adult Deceased Donor Liver-Alone Transplants by Era



National state of emergency declared in US due to COVID-19 pandemic on March 13, 2020.

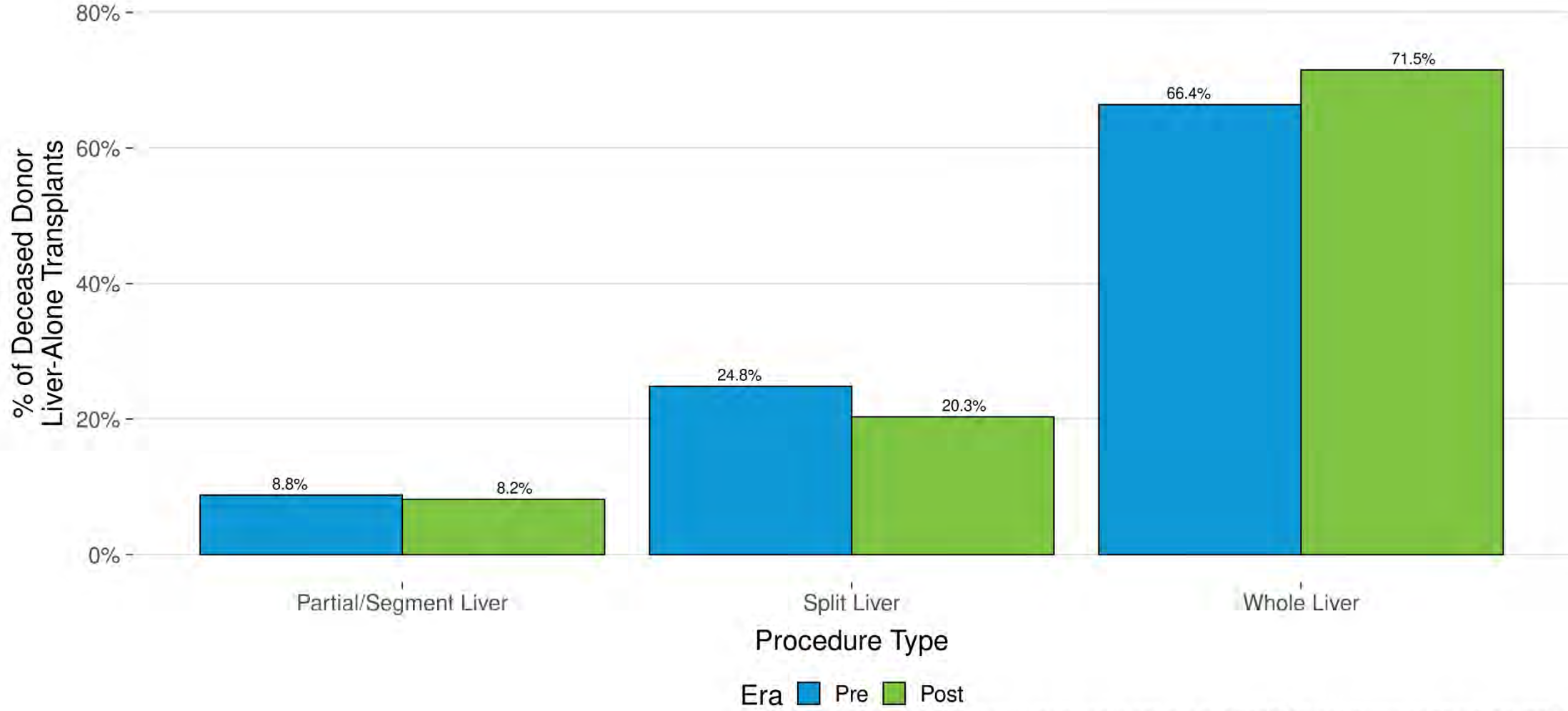
Pre-Policy: 08/06/2018 - 02/03/2020; Post-Policy: 02/04/2020 - 08/03/2021.

** Dotted lines indicate median cold ischemia time within each era.

*** There were 46 pre-policy and 138 post-policy transplant recipients with missing cold ischemia time that are not included.

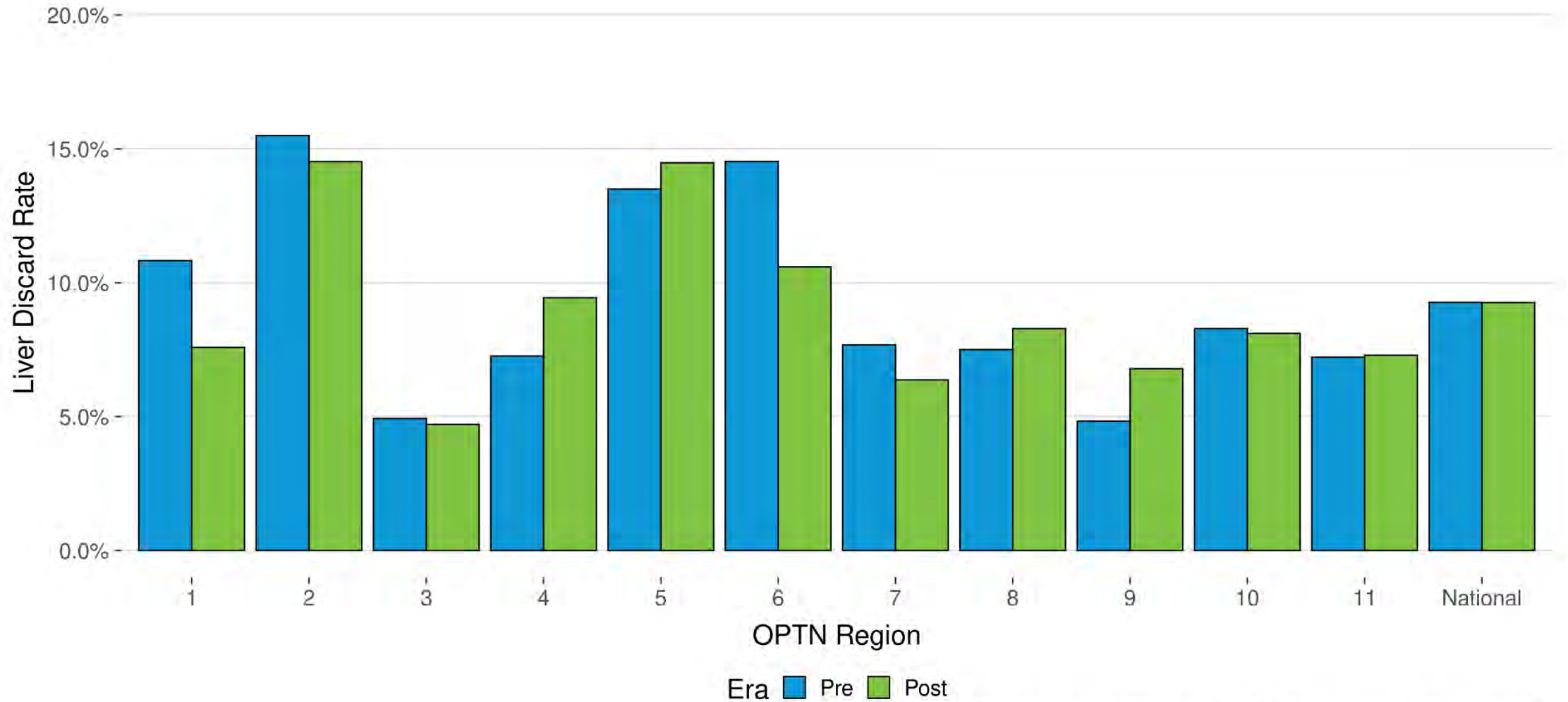
^ There were 22 pre-policy and 32 post-policy transplants with cold ischemia time >15 hours not included.

Pediatric Deceased Donor Liver-Alone Transplants by Procedure Type and Era



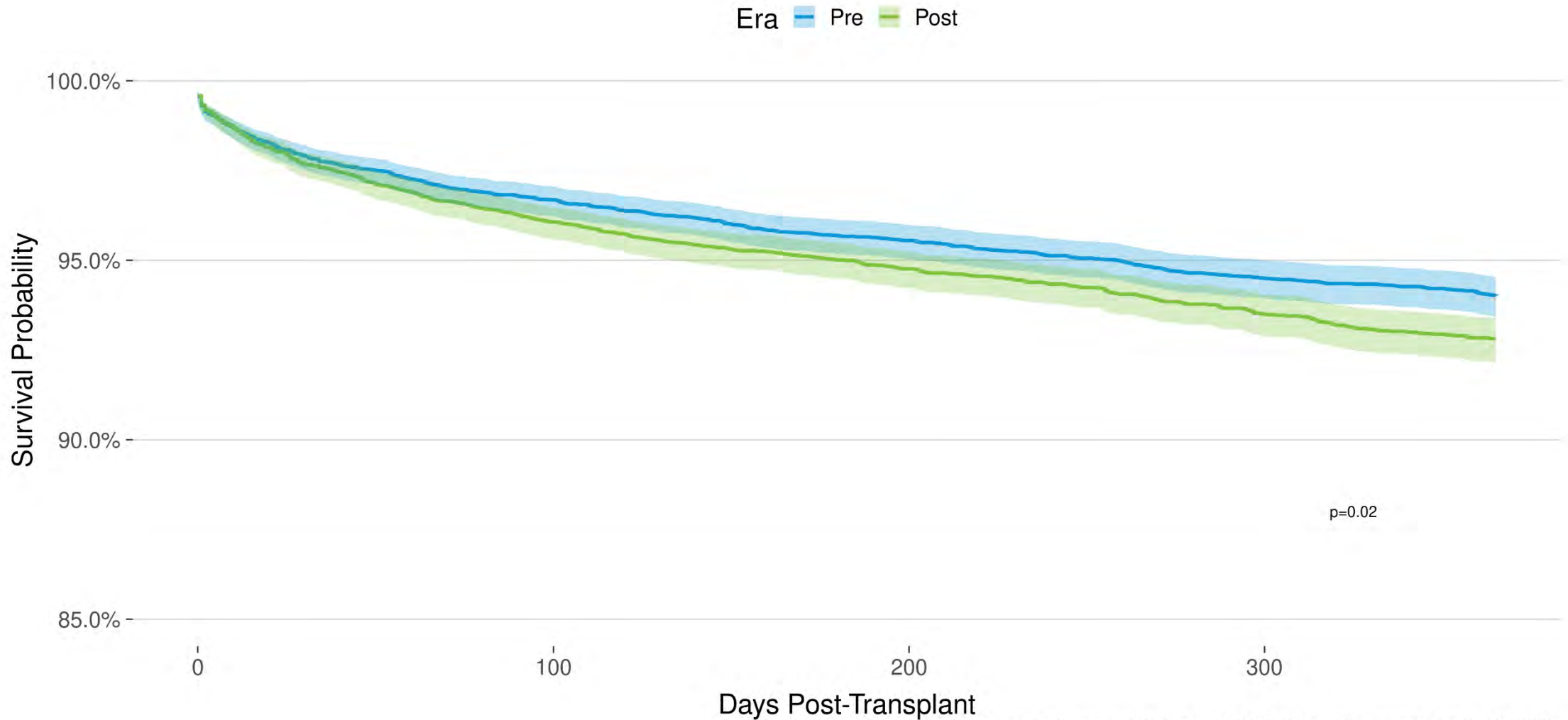
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Rate of Liver Donors Recovered and Not Transplanted (Discard Rate) by OPTN Region and Era



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One Year Post-Transplant Patient Survival Curves for Deceased Donor Liver-Alone Recipients by Era



National state of emergency declared in US due to COVID-19 pandemic on March 13, 2020.
Pre-Policy: 08/06/2018 - 07/31/2019; Post-Policy: 02/04/2020 - 01/31/2021.

BY TOPIC

- Patient safety
- Informing patients
- Living donation
- Pediatric transplant
- Organ transport
- Ethical considerations
- Histocompatibility

BY ORGAN

- Kidney & pancreas
- Liver & intestine**
- Heart & lung
- Vascular composite allograft (VCA)

PREPARING FOR SITE VISIT

- Compliance and evaluation

IMPROVEMENT

- Collaborative improvement (CI) projects

BY TOPIC ▾

BY ORGAN ▾

PREPARING FOR SITE VISIT ▾

Explore this section

- [Simultaneous liver kidney allocation education](#)
- [Expedited liver placement](#)

Related Committee

[Liver & Intestinal Organ Transplantation Committee](#)

Full report is available on the OPTN website: <https://optn.transplant.hrsa.gov/professionals/by-organ/liver-intestine/>

Ongoing Review of NLRB Diagnoses

Purpose of Proposal

- Purpose:
 - Ensure NLRB **guidance and policy remain clear and aligned** with current research so that the appropriate candidates receive MELD or PELD exceptions

Proposal: Hepatocellular Carcinoma (HCC) Policy and Guidance

- HCC Policy:
 - Update policy language to **align with Liver Imaging Reporting and Data System (LI-RADS)** terminology and classifications
 - Ensure consistent classification of HCC lesions
- HCC Guidance:
 - Simplify guidance for candidates who had HCC that was **treated and subsequently recurs**
 - Provide more consistent and equitable pathway for these candidates to receive a MELD exception

Proposal: Ischemic Cholangiopathy (IC)

Guidance

- Recommend all candidates meeting criteria in guidance be provided a score **equal to median MELD at transplant (MMaT)**
- No changes to criteria for exception
- Higher score assignment will allow candidates to access re-transplant more quickly

Proposal: Polycystic Liver Disease (PLD)

Guidance

- Add more **objective definition for moderate to severe protein calorie malnutrition**
- Add **sarcopenia** as a qualifying comorbidity
- Remove unnecessary and confusing language
- Recommend all candidates meeting criteria be considered for **MMaT**, not just liver-kidney

Project Updates

Project Updates

- Median MELD at Transplant around Donor Hospital and Update Sorting for Liver Allocation:
 - Approved by the OPTN Board of Directors in June 2021
 - Slated for implementation in June 2022
- Continuous Distribution:
 - Project kick-off: December 2021
 - Updates to come at future regional meetings

Questions?