

PREFACE

This Annual Report of the U.S. Organ Procurement and Transplantation Network (OPTN) and the Scientific Registry of Transplant Recipients (SRTR) represents the 19th such annual report and is based largely on data pertaining to the 10-year period from 1999 to 2008.

This publication was developed for the U.S. Department of Health and Human Services, Health Resources and Services Administration, Healthcare Systems Bureau, Division of Transplantation, by the OPTN contractor, the United Network for Organ Sharing (UNOS), and the SRTR contractor, the Arbor Research Collaborative for Health, under contracts 234-2005-37011C and 234-2005-37009C, respectively.

As the SRTR contractor, Arbor Research coordinated the descriptive chapters and prepared the data-related sections of this report, including the Data Tables, Glossary, and Technical Notes. As the OPTN contractor, UNOS arranged for the report's production and dissemination. The Annual Report is available on the SRTR web site at www.ustransplant.org.

This preface describes the changes from previous reports and also serves as an introduction to the sections that follow.

Overviews and Highlights

More than 60 experts from many areas of the transplant community contributed to this year's report, continuing the format established in 2002. Chapters I through X, coordinated by SRTR staff, present these expert descriptions of data highlights and trends. These chapters function as more than simple summaries; they are multi-authored and peer-reviewed analyses, complete with references, separate figures, and additional explanatory tables. Some of the chapters address topics traditional to the Annual Report, including trends in organ-specific transplantation and donation. Additionally, several of the chapters discuss current organ allocation policy or innovative areas of research within the transplant field. Included with the report this year is an in-depth look at intestine transplantation, separating it for the first time into a free-standing chapter.

This year, three of the chapters address topics that have not been examined in detail in previous annual reports. Chapter VIII examines the effect of demand for kidney transplantation, measured by the incidence of end-stage renal disease, on access to transplantation. Chapter IX studies the effect of the incorporation of DonorNet[®], the electronic deceased donor organ offer system, by looking at the match run offer number for organ placement and overall organ use, with a focus on ischemia time and graft outcomes. Finally, Chapter X is co-written by members of the OPTN Minority Affairs Committee and investigators from the SRTR and probes differences in posttransplant outcomes among patients of specific racial and ethnic groups. Slightly modified versions of all 10 chapters are also being published as stand-alone, peer-reviewed articles in "The 2009 SRTR Report on the State of Transplantation," a special issue of *The American Journal of Transplantation*.

Data Tables

Fifteen topic-specific sections of descriptive data include the summary tables referenced in the preceding chapters, as well as detailed data from the last 10 years on the following topics:

- donor, recipient, and waiting list candidate characteristics
- organ procurement and disposition
- waiting list activity, such as time to transplant and transplant and mortality rates
- posttransplant outcomes, such as graft survival, patient survival, and development of malignancies
- summarized organ procurement organization and transplant center activity
- immunosuppression use

Detailed descriptions of how the data are collected and computed are in the **Technical Notes**.

Resources

The **Technical Notes** describe all the data presented in this report, including the calculations and methods used to create the tables. The notes follow the topical order of the data tables. The **Glossary** and **Key to Selected Acronyms** introduce readers to clinical and statistical terms that may be unfamiliar. The Resources section also includes a comprehensive **List of Figures** included in the report and a full set of **Data Collection Worksheets**.

For Additional Information

- **Patient** inquiries: 888-894-6361 (toll free)
- **Research** inquiries: **OPTN/UNOS Requests**
804-782-4876 (phone)
804-782-4994 (fax)
SRTR Data Requests
800-830-9664 (toll free)
734-665-2103 (fax)
- **Media** inquiries: 301-443-3376 (HRSA/Office of Communications)
804-782-4730 (OPTN)
800-830-9664 (SRTR, toll free)
- **Federal Program** inquiries: **HHS/HRSA/HSB/DoT**
5600 Fishers Lane
Parklawn Bldg, Rm 12C-06
Rockville, MD 20857
301-443-7577

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Publications based upon data in this report or supplied upon request must include the above citation as well as the following statement:

The data and analyses reported in the 2009 Annual Report of the U.S. Organ Procurement and Transplantation Network and the Scientific Registry of Transplant Recipients have been supplied by UNOS and Arbor Research under contract with HHS/HRSA. The authors alone are responsible for reporting and interpreting these data; the views expressed herein are those of the authors and not necessarily those of the U.S. Government.