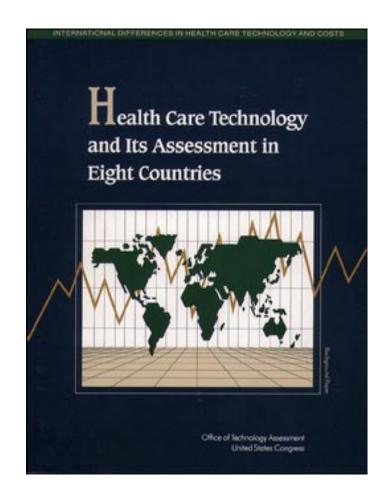
### Health Care Technology and Its Assessment in Eight Countries

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### $F_{oreword}$

n 1980, when OTA examined the management of health care technology in 10 countries, we stated that "international literature in the area of evaluating and managing medical technologies is sparse." The richness and variety of experiences in 1994, captured for eight countries in this background paper, is evidence that major changes have occurred. Technology assessment in health care was just emerging in the United States at the earlier date, and in other countries it was largely a new concept whose role had not yet been defined. Today, it would take a volume bigger than this one to fully describe technology assessment just in the United States. In each of the other countries studied—Australia, Canada, France, Germany, the Netherlands, Sweden, and the United Kingdom—technology assessment organizations also have become part of the health care landscape.

It is easy to catalog health care technology assessment organizations and their work in each country but difficult to discern how the adoption and use of technology has been affected by those efforts. In this background paper the experiences of each country with six technologies (or sets of technologies)—inincluding evaluation and management efforts and how the technologies diffused—are presented and compared. The six areas are: 1) treatments for coronary artery disease, 2) imaging technologies (CT and MRI scanning), 3) laparoscopic surgery, 4) treatments for end–stage renal disease, 5) neonatal intensive care and 6) breast cancer screening.

This background paper is part of a larger study on International Differences in Health Care Technology and Spending, which consists of a series of background papers. *International Health Statistics: What the Numbers Mean for the United States* was published in November 1993, and *International Comparisons of Administrative Costs in Health Care* appeared in September 1994. An additional background paper will report on lessons for the United States from a comparison of hospital financing and spending in seven countries.

The country chapters of this background paper were written by experts in those countries, and the entire effort was guided by David Banta of the Netherlands. It was greatly assisted by the advisory panel for the overall study, chaired by Rosemary Stevens of the University of Pennsylvania. In addition, many other individuals helped in various ways and OTA acknowledges gratefully the contribution of each one. As with all OTA documents, the final responsibility for the content rests with OTA.

ROGER C. HERDMAN

Director

# Advisory Panel

Rosemary Stevens, Chair

University of Pennsylvania Philadelphia, PA

Stuart Altman

Brandeis University Waltham, MA

Jan E. Blanpain

Leuven University, Belgium Leuven, Belgium

Harry P. Cain II

Blue Cross and Blue Shield Association Washington, DC

Thomas W. Chapman

The Greater Southeast Healthhcare System Washington, DC

Louis P. Garrison, Jr.

Syntex Development Research Palo Alto, CA

**Annetine Gelijns** 

Columbia University New York, NY

John Iglehart

Health Affairs Bethesda, MD Ellen Immergut

Massachusetts Institute of Technology Boston, MA

Lynn E. Jensen

American Medical Association Chicago, IL

Bengt Jonsson

Stockholm School of Economics Stockholm, Sweden

Kenneth G. Manton

Duke University Durham, NC

**Edward Neuschler** 

Health Insurance Association of America Washington, DC

Jean-Pierre Poullier

Organisation for Economic Co-operation and Development Paris, France

Mark Schlesinger

Yale University New Haven, CT

Note: OTA appreciates and is grateful for the valuable assistance and thoughtful critiques provided by the advisory panel members. The panel does not, however, necessarily approve, disapprove, or endorse this background paper. OTA assumes full responsibility for the background paper and the accuracy of its contents.

# Preject Staff

Hellen Gelband

Project Director

Clyde J. Behney

Assistant Director Health, Education, and Environment

Sean R. Tunis

Health Program Director

**ADMINISTRATIVE STAFF** 

Beckie Erickson'

Health Program Office Administrator

Louise Staley<sup>2</sup>

Health Program Office Administrator

**Charlotte Brown** 

Word Processing Specialist

Daniel B. Carson

PC Specialist

Carolyn Martin

Word Processing Specialist

Carolyn Swarm

PC Specialist

**CONTRACTORS** 

Martha Cooley

Washington, DC

A. Mark Fendrick

University of Michigan Ann Arbor, MI

Claudia Steiner

Johns Hopkins University Baltimore, MD

### Contributors

### H. David Banta

Netherlands Organization for Applied Scientific Research Leiden. The Netherlands

### Renaldo N. Battista

Conseil devaluation des Technologies de la Sante' du Quebec and McGill University Montreal, Canada

### Michael Bos

Health Council of the Netherlands The Hague, The Netherlands

### Hellen Gelband

Office of Technology Assessment U.S. Congress Washington, DC

### **David Hailey**

Australian Institute of Health and Welfare Canberra, Australia

### Matthew J. Hedge

Montreal General Hospital Montreal. Canada

### Robert Jacob

Quebec Ministry of Health and Social Services Quebec, Canada

### Egon Jonsson

Karolinska Institute and Swedish Council on Technology Assessment in Health Care Stockholm, Sweden

### Stefan Kirchberger

Landesversicherungsanstalt Sachsen and University of Muenster Leipzig, Germany

### **Jackie Spiby**

Bromley Health Hayes, Kent, United Kingdom

### Sean R. Tunis

Office of Technology Assessment U.S. Congress Washington, DC

### **Caroline Weill**

National School of Public Health Saint-Maurice, France

## Acknowledgments

### **Rob Carter**

National Centre for Health Program Evaluation Melbourne, Australia

### **Bernard Cohen**

Eurotransplant Foundation Leiden, The Netherlands

### **Dell Cowley**

Australian Institute of Health and Welfare Canberra, Australia

### **Bernard Crowe**

Australian Institute of Health and Welfare Canberra, Australia

### Wolodja Dankiw

Australian Institute of Health and Welfare Canberra, Australia

### Yvonne van Duivenboden

Health Council of the Netherlands The Hague, The Netherlands

### Naarilla Hirsch

Australian Institute of Health and Welfare Canberra, Australia

### Guido Persijn

Eurotransplant Foundation Leiden, The Netherlands

### Diane Telrnosse

Conseil devaluation des Technologies de la Sante du Que'bec Montreal, Canada

### Gabriel ten Velden

Health Council of the Netherlands The Hague, The Netherlands