

Table of Contents

Chapter 1 Introduction

Lynn A. Gloeckler Ries, Marie-Joséphé D. Horner, and

John L. Young, Jr.

INTRODUCTION	1
DATA SOURCES	1
SURVIVAL METHODS	3
DISCUSSION	5

Chapter 2 Cancers of the Head and Neck

Jay F. Piccirillo, Irene Costas, and

Marsha E. Reichman

INTRODUCTION	7
MATERIALS AND METHODS	7
RESULTS	8
DISCUSSION	20

Chapter 3 Cancers of the Esophagus, Stomach, and Small Intestine

Charles Key and Angela L.W. Meisner

INTRODUCTION	23
MATERIALS AND METHODS	23
RESULTS	25
DISCUSSION	32

Chapter 4 Cancers of the Colon and Rectum

Kevin C. Ward, John L. Young, Jr., and

Lynn A. Gloeckler Ries

INTRODUCTION	33
MATERIALS AND METHODS	33
RESULTS	34
DISCUSSION	41

Chapter 5 Cancer of the Anus

Margaret M. Madeleine and Laura M. Newcomer

INTRODUCTION	43
MATERIALS AND METHODS	43
RESULTS	44
DISCUSSION	47

Chapter 6 Cancers of the Liver and Biliary Tract

Charles Key and Angela L.W. Meisner

INTRODUCTION	49
MATERIALS AND METHODS	49
RESULTS	50
DISCUSSION	55

Chapter 7 Cancer of the Pancreas

Charles Key

INTRODUCTION	59
MATERIALS AND METHODS	59
RESULTS	60
DISCUSSION	62

Chapter 8 Cancer of the Larynx

Jay F. Piccirillo and Irene Costas

INTRODUCTION	67
MATERIAL AND METHODS	67
RESULTS	68
DISCUSSION	71

Chapter 9 Cancer of the Lung

Lynn A. Gloeckler Ries and Milton P. Eisner

INTRODUCTION	73
MATERIALS AND METHODS	73
RESULTS	74
DISCUSSION	77

Chapter 10 Cancers of the Bone and Joint

Denise R. Lewis and Lynn A. Gloeckler Ries

INTRODUCTION	81
MATERIALS AND METHODS	81
RESULTS	82
DISCUSSION	87

Chapter 11 Sarcomas

Lynn A. Gloeckler Ries, Kevin C. Ward, and

John L. Young, Jr.

INTRODUCTION	89
MATERIALS AND METHODS	89
RESULTS	90
DISCUSSION	91

Chapter 12 Melanoma

Myles Cockburn, David Peng, and Charles Key

INTRODUCTION	93
MATERIALS AND METHODS	94
RESULTS	95
DISCUSSION	100

Table of Contents

Chapter 13 Cancer of the Female Breast

Lynn A. Gloeckler Ries and Milton P. Eisner

INTRODUCTION	101
MATERIALS AND METHODS	101
RESULTS	102
DISCUSSION	107

Chapter 14 Cancer of the Cervix Uteri

Carol L. Kosary

INTRODUCTION	111
MATERIALS AND METHODS	111
RESULTS	112
DISCUSSION	121

Chapter 15 Cancer of the Corpus Uteri

Carol L. Kosary

INTRODUCTION	123
MATERIALS AND METHODS	123
RESULTS	124
DISCUSSION	132

Chapter 16 Cancer of the Ovary

Carol L. Kosary

INTRODUCTION	133
MATERIALS AND METHODS	133
RESULTS	134
DISCUSSION	144

Chapter 17 Cancer of the Placenta

Carol L. Kosary

INTRODUCTION	145
MATERIALS AND METHODS	145
RESULTS	145
DISCUSSION	146

Chapter 18 Cancer of the Vulva

Carol L. Kosary

INTRODUCTION	147
MATERIALS AND METHODS	147
RESULTS	147
DISCUSSION	153

Chapter 19 Cancer of the Vagina

Carol L. Kosary

INTRODUCTION	155
MATERIALS AND METHODS	155
RESULTS	156
DISCUSSION	158

Chapter 20 Cancer of the Fallopian Tube

Carol L. Kosary

INTRODUCTION	161
MATERIALS AND METHODS	161
RESULTS	161
DISCUSSION	164

Chapter 21 Cancer of the Testis

Mary L. Biggs and Stephen M. Schwartz

INTRODUCTION	165
MATERIALS AND METHODS	165
RESULTS	166
DISCUSSION	167

Chapter 22 Cancer of the Prostate

Ann Hamilton and Lynn A. Gloeckler Ries

INTRODUCTION	171
MATERIALS AND METHODS	171
RESULTS	173
DISCUSSION	179

Chapter 23 Cancer of the Urinary Bladder

Charles F. Lynch, Jessica A. Davila, and

Charles E. Platz

INTRODUCTION	181
MATERIALS AND METHODS	181
RESULTS	182
DISCUSSION	190

Chapter 24 Cancers of the Kidney and Renal Pelvis

Charles F. Lynch, Michele M. West,

Jessica A. Davila, and Charles E. Platz

INTRODUCTION	193
MATERIALS AND METHODS	194
RESULTS	194
DISCUSSION	198

Table of Contents

Chapter 25 Cancer of the Brain and Other Central Nervous System

Jill S. Barnholtz-Sloan, Andrew E. Sloan, and

Ann G. Schwartz

INTRODUCTION	203
MATERIALS AND METHODS	203
RESULTS	204
DISCUSSION	214

Chapter 26 Cancer of the Thyroid

Carol L. Kosary

INTRODUCTION	217
MATERIALS AND METHODS	217
RESULTS	217

Chapter 27 Hodgkin Lymphoma

Christina Clarke, Cynthia O'Malley, and

Sally Glaser

INTRODUCTION	227
MATERIALS AND METHODS	227
RESULTS	228
DISCUSSION	233

Chapter 28 Non-Hodgkin Lymphoma

Christina Clarke and Cynthia O'Malley

INTRODUCTION	235
MATERIALS AND METHODS	235
RESULTS	237
DISCUSSION	241

Chapter 29 Leukemia

Marie-Josophe D. Horner and Lynn A. Gloeckler Ries

INTRODUCTION	243
MATERIALS AND METHODS	243
RESULTS	244
DISCUSSION	249

Chapter 30 Cancers of Rare Sites

John L. Young, Jr., Kevin C. Ward, and

Lynn A. Gloeckler Ries

INTRODUCTION	251
MATERIALS AND METHODS	251
RESULTS	251
DISCUSSION	261

Chapter 31 Race and Ethnicity

Limin X. Clegg and Lynn A. Gloeckler Ries

INTRODUCTION	263
MATERIALS AND METHODS	263
RESULTS	264
DISCUSSION	265

Table of Contents

Chapter Contributors and Editors

Jill S. Barnholtz-Sloan, PhD, MS

Case Comprehensive Cancer Center, Case Western Reserve University School of Medicine; Cleveland, OH

Mary L. Biggs, PhD, MPH

Department of Biostatistics, School of Public Health and Community Medicine, University of Washington, Seattle, WA

Christina Clarke, PhD

Northern California Cancer Center; Fremont, CA; Stanford University; Stanford, CA

Myles Cockburn, PhD

Department of Preventive Medicine, University of Southern California, Keck School of Medicine; Los Angeles, CA

Irene Costas, MPH

Clinical Outcomes Research Office, Department of Otolaryngology Head and Neck Surgery, Washington University School of Medicine; St. Louis, MO.

Jessica A. Davila, PhD

Section of Health Services Research, Department of Medicine, Baylor College of Medicine; Houston, TX

Milton P. Eisner, PhD

Cancer Statistics Branch, Surveillance Research Program, National Cancer Institute, NIH, DHSS; Bethesda, MD

Sally Glaser, PhD

Northern California Cancer Center; Fremont, CA; Stanford University; Stanford, CA

Ann S. Hamilton, PhD

Preventive Medicine, Division of Epidemiology, University of Southern California, Keck School of Medicine; Los Angeles, CA

Marie-Josophe D. Horner, MSPH

Cancer Statistics Branch, Surveillance Research Program, National Cancer Institute, NIH, DHSS; Bethesda, MD

Gretchen E. Keel, BS, BA

Information Management Services, Inc; Silver Spring, MD

Charles R. Key, MD, PhD

Department of Pathology and New Mexico Tumor Registry, Cancer Research & Treatment Center The University of New Mexico School of Medicine; Albuquerque, NM

Carol L. Kosary, MA

Cancer Statistics Branch, Surveillance Research Program, National Cancer Institute, NIH, DHSS; Bethesda, MD

Denise R. Lewis, PhD

Cancer Statistics Branch, Surveillance Research Program, National Cancer Institute, NIH, DHSS; Bethesda, MD

Yi Dan Lin

School of Medicine, Monash University; Melbourne, Australia

Charles F. Lynch, MD, PhD

Department of Epidemiology, The University of Iowa; Iowa City, IA

Margaret M. Madeleine, PhD, MPH

Program in Epidemiology, Public Health Sciences Division, Fred Hutchinson Cancer Research Center; Seattle, WA

Angela L.W. Meisner, MPH

Department of Pathology, and Division of Cancer Epidemiology, Cancer Center, University of New Mexico School of Medicine; Albuquerque, NM

Laura M. Newcomer, PhD

Program in Epidemiology, Public Health Sciences Division, Fred Hutchinson Cancer Research Center; Seattle, WA

Cynthia O'Malley, PhD

Formerly with Northern California Cancer Center; Fremont, CA; Dr. O'Malley is currently with Global Biostatistics and Epidemiology, Amgen, Inc.; Thousand Oaks, CA

Chapter Contributors and Editors

David Peng, MD, MPH

Department of Dermatology, University of Southern California, Keck School of Medicine, and Norris Cancer Center; Los Angeles, CA

Jay F. Piccirillo, MD

Clinical Outcomes Research Office
Department of Otolaryngology-Head and Neck Surgery, Washington University School of Medicine; St. Louis, MO

Charles E. Platz, MD

University of Iowa College of Medicine;
Department of Epidemiology, College of Public Health, University of Iowa; Iowa City, IA

Marsha E. Reichman, PhD, MS

Cancer Statistics Branch, Surveillance Research Program, National Cancer Institute, NIH, DHSS; Bethesda, MD

Lynn A. Gloeckler Ries, MS

Cancer Statistics Branch, Surveillance Research Program, National Cancer Institute, NIH, DHSS; Bethesda, MD

Ann G. Schwartz, PhD, MPH

Department of Internal Medicine, Karmanos Cancer Institute, Wayne State University School of Medicine; Detroit, MI

Stephen M. Schwartz, PhD

Program in Epidemiology, Division of Public Health Sciences, Fred Hutchinson Cancer Research Center; Seattle, WA

Andrew E. Sloan, MD, FACS

Department of Neurosurgery, University Hospital of Cleveland-Case Western University Medical School; Cleveland, OH

Kevin C. Ward, MPH

Georgia Center for Cancer Statistics, Rollins School of Public Health, Emory University; Atlanta, GA

Michele M. West, PhD

Department of Epidemiology, The University of Iowa; Iowa City, IA

John L. Young, Jr., DrPH, CTR

Georgia Center for Cancer Statistics, Rollins School of Public Health, Emory University; Atlanta, GA