



European Commission
Directorate General Health and Consumer Protection

European Commission
Europe Against Cancer Programme
Brussels-Luxembourg, 2000

Evaluation and Monitoring of Screening Programmes



International Agency for
Research on Cancer
World Health Organization



European Network of
Cancer Registries



Europe Against Cancer
European Commission

Contents

Foreword	<i>D. Byrne</i>	v
List of contributors		vi
Chapter 1.	Introduction: study design and the potential of cancer registration <i>D.M Parkin</i>	1
Chapter 2.	Planning and designing of screening programmes <i>M. Hakama</i>	13
Chapter 3.	Evaluation and monitoring of cancer screening: theoretical issues <i>S. Moss</i>	29
Chapter 4.	Use of cancer registry data: prerequisites, limitations and solutions <i>J.A.A.M. van Dijck and L.J. Schouten</i>	43
Chapter 5.	Evaluation and monitoring of screening for cervix cancer: time trends <i>J. Smith and D.M. Parkin</i>	59
Chapter 6.	Cervix cancer: geographical correlations <i>A. Anttila and E. Läärä</i>	77
Chapter 7.	Cervix cancer: case-control studies <i>M. Zappa and S. Ciatto</i>	99
Chapter 8.	Cohort studies evaluating screening for cervix cancer <i>E. Lynge</i>	119
Chapter 9.	Cancer registries in evaluation of breast cancer screening programmes <i>S. Wait</i>	133
Chapter 10.	Breast cancer: modelling of mortality trends <i>T. Hakulinen</i>	151
Chapter 11.	Screening for breast cancer: cohort studies <i>R. Sankila and E. Lynge</i>	163
Chapter 12.	Cancer registries in monitoring, evaluating and planning breast cancer screening programmes <i>D. Stockton and J. McCann</i>	181
Chapter 13.	Population-based trends of prostate cancer in the United States before and after widespread use of PSA <i>R.A. Stephenson</i>	195
Chapter 14.	Evaluation of screening for prostate cancer <i>F.E. Alexander</i>	207
Chapter 15.	Cancer registries in evaluation of screening for colorectal cancer <i>J. Faivre, AM. Benhamiche and M.A. Tazi</i>	213
Chapter 16.	Cancer registries in early detection of cutaneous malignant melanoma <i>J. W W Coebergh and H.J. van der Rhee</i>	223

Chapter 17.	Lessons learned from neuroblastoma screening <i>R. Sankila</i>	233
Chapter 18.	Cancer registries and genetic screening <i>L Tryggvadóttir</i>	243
Chapter 19.	Conclusions and recommendations <i>R. Sankila, L.J. Schouten and D.M. Parkin</i>	263