

INVENTAIRE DES MANUELS DE BASE EN EPIDEMIOLOGIE, SALUBRITE DE L'ENVIRONNEMENT ET MEDECINE DU TRAVAIL

Le présent inventaire des titres, descriptions, et tables des matières des manuels de base en épidémiologie pour l'enseignement universitaire est la deuxième édition, révisée et mise à jour, publiée par le Réseau mondial d'Eco-épidémiologie (GEENET). Il doit servir de référence à ceux qui enseignent l'épidémiologie, la salubrité de l'environnement et la médecine du travail. Il sera mis à jour régulièrement pour apporter de nouvelles ou plus complètes informations. Les observations relatives à la présente édition ainsi que les suggestions concernant des titres supplémentaires seront les bienvenues. Merci de nous envoyer la référence complète, la table des matières et, si possible, le compte rendu du livre.

D'autres exemplaires peuvent être obtenus sur demande à:

Eco-Epidémiologie
Division de l'Hygiène du Milieu
Organisation mondiale de la Santé
1211 Genève, Suisse

PRESENTATION

Le présent inventaire fait partie d'une série de documents établis par l'OMS pour le Réseau mondial d'Eco-Epidémiologie (GEENET). Il s'agit de la révision de de la mise à jour du document WHO/PEP/88.1. Il ne prétend pas couvrir tous les manuels parus dans ce domaine, et cette démarche à des limites évidentes, la plupart des titres contenus dans l'inventaire étant en anglais. Nous nous proposons de procéder à une mise à jour annuelle de ce document et espérons que les lecteurs nous aideront à en élargir la portée actuelle en nous indiquant les textes valables dont ils connaissent l'existence ou qu'ils utilisent, en particuliers si ceux-ci sont en français ou en espagnol. A cette occasion, nous remercions les lecteurs de la première édition ainsi que les éditeurs qui ont suggéré des titres supplémentaires et ont ainsi enrichi l'inventaire.

Cet inventaire a été préparé avec l'appui financier de l'Agence suédoise d'Aide au Développement international (SIDA) et de l'Agence suédoise de coopération scientifique avec les pays en développement (SAREC). Il a été élaboré avec l'appui du Programme international sur la sécurité des substances chimiques. Les principaux collaborateurs à cette édition sont Anthony Thomas, Laurence Pollier, Tord Kjellström, et Jillian Dunne, OMS, Genève. La liste est stockée sur un fichier de micro-ordinateur IBM/PC utilisant le logiciel CARDBOX.

ORGANISATION DE LA LISTE

Les titres contenus dans la base de données ont été préalablement classés par auteur, dans l'ordre alphabétique. Un numéro d'identification a été attribué à chaque titre et ce numéro, dit "Numéro de Liste", est utilisé pour l'indexation des titres.

PREMIERE PARTIE

La première partie est un index classé par auteur qui indique où trouver leurs titres respectifs dans la Liste principale au moyen du Numéro de Liste.

DEUXIEME PARTIE

La deuxième partie donne un aperçu de la Liste principale en présentant uniquement les titres, classés par ordre alphabétique, et leurs Numéros de Liste correspondants.

TROISIEME PARTIE

La troisième partie est la Liste principale, et elle comprend deux parties: (A) manuels pour lesquels une description complète et/ou la table des matières ont été fournies; (B) manuels pour lesquels seuls des renseignements de base ont pu être obtenus. Nous serions reconnaissants aux lecteurs qui connaissent ces références de bien vouloir nous envoyer les informations manquantes, comme la table des matières et les comptes rendus existants.

L'illustration ci-après montre un exemple d'enregistrement tel qu'il apparaît à l'écran sur CARDBOX:

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.....
Author: Leat J.M.                               . Entry Date:
.                                                . Street:
Transl. Title:                                  .
.                                                . P.O. Box:
.                                                . Town:
Title: Public Health and Human Ecology          .
.                                                . Postcode:
.                                                . Country:
.
Publisher: Appleton & Lange                      . Pays:
Doc.No:                                          .
Series:                                          .
Edition:
.....
Year: 1987 Pages: 391 p.                        Price: 7
Type: TB                                         Target Group: UG Med HS
Lang: English                                   List No:54
Focus:
Subj. Headings:
.....
Description: This book is intended for medical and other health professional
students. The author has briefly described the principal public health
problems of our time, with enough historical background and ecological
perspective to explain the present situation, and to suggest how the future
might unfold. This book is not a study guide to help pass examinations,
although there are enough facts to satisfy anyone who uses it for that
purpose.
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```

TABLE OF CONTENTS

Preface

Acknowledgments

1. The Scope, Goals, and Methods of Public Health
2. Health Information and Epidemiology
3. Communicable Diseases
4. Environmental Health
5. Food and Nutrition
6. Social and Behavioral Determinants of Health
7. Control of Noncommunicable Conditions
8. Organization of Public Health Services
9. Hazards of Health Care
10. World Health
11. Ethical Issues in Public Health
12. The Future of Health and Health Services

Epilogue

Index

Pour l'impression de la Liste, seuls certains champs ont été inclus. On trouvera ci-dessous l'explication de ces champs ainsi qu'un exemple d'enregistrement imprimé avec la position des différents champs.

IT: Numéro de Liste
 AU: Auteurs
 TI: Titre
 PU: Editeur
 LA: Langues disponibles
 LE: Nombre de pages
 CT: Prix (si disponible)
 YR: Année de publication
 DE: Description
 **: Table des matières

Configuration d'un enregistrement sur l'écran:

54

Authors: Last J.M.

Title: Public Health and Human Ecology

Publisher: Appleton & Lange

Language: English *Length:* 391 p. *Cost:* 7 *Year:* 1987

Description: This book is intended for medical and other health professional students. The author has briefly described the principal public health problems of our time, with enough historical background and ecological perspective to explain the present situation, and to suggest how the future might unfold. This book is not a study guide to help pass examinations, although there are enough facts to satisfy anyone who uses it for that purpose.

TABLE OF CONTENTS

Preface

Acknowledgments

1. The Scope, Goals, and Methods of Public Health
2. Health Information and Epidemiology
3. Communicable Diseases
4. Environmental Health
5. Food and Nutrition
6. Social and Behavioral Determinants of Health
7. Control of Noncommunicable Conditions
8. Organization of Public Health Services
9. Hazards of Health Care
10. World Health
11. Ethical Issues in Public Health
12. The Future of Health and Health Services

Epilogue

Index

PARTIE I - Index par auteur

ACKERMANN LIEBRICH U, 1
AHLBOM A, 2
ALDERSON A, D1
AND, 35
ARANDA PASTOR J, 3
BAILAR B.A, 4
BAILEY N.T.J, 5
BARKER D.J.P, 6-7, 101
BENENSON A.S, 8
BOWER B, 113
BREART G, 104
BUCK C, 9-10
BURING J.E, 37
CASSENS B, 11
CENTRO PANAMERICANO DE ECOLOGIA HUMANA Y SALUD, 12-18
CHALMERS J, 19
CHEN P.C.Y, 95
CHRISTENSEN B.L, 100
CLEROUX R, 46
COLIMON K.M, 20
COREY GERMAN, 21
COURTEJOIE J, D8
CULLEN M, 102
DEVER G.E ALAN, 22
DONALDSON L.J, 23
DONALDSON R.J, 23
ELVEBACK L.R, 28
EVANS A.S, 51
EZENWA A.O, 24
FARMER R.D.T, 84
FEINSTEIN A.R, 25
FELTON J.S, 26
FLETCHER R.H, 27
FLETCHER S.W, 27
FORD JONES E.L, 32
FOX J.P, 28
FRIEDMAN G.D, 29
GILDERDALE S, 41
GLANTZ S.A, 30
GLANVILLE DE H, 31
GOLD R, 32
GOLDBERG MARCEL, 33
GOLDSMITH JR, 34
GONZALEZ C.L, 35
GORDIS L, D2
GUERRERO R.V, 35
GUILBERT J.J, 36
GUTZWILLER F, 1
HALL C.E, 28
HALL T.L, 43
HARPER B.L, 61
HAYNES R.B, 105
HEBEL JR, 86-87
HELLER R.F, 92

HENNEKENS C.H, 37
HIRSCH R.F, 38
HIRSCH R.F, 98
HOEY J, D3
HOLGUIN A.H, 100
HOLLAND W.W, 39-42
HORNBY P, 43
IBRAHIM M.A, 44
INSTITUTE FOR MEDICAL RESEARCH, 45
IPSEN J, 40
JENICEK M, 46-47
KAHN H.A, 48-49
KARHAUSEN L, 42
KARVONEN M, 50
KEIL U, 1
KELSEY J.L, 51
KLEINBAUM D.G, 52-53
KNOX E.G, 54
KOSTRZEWSKI J, 40, 68, 71-72
KRAMER S, 80
KUNZE M, 1
KUPPER L.L, 52-53
KUZMA J.W, 55
LADOU J, 56
LAMBERT R, D3
LANPHIER C.M, 4
LAST J.M, 57-58
LEAVERTON P.E, 59
LEE J.A, 60
LEGATOR M.S, 61
LEMESHOW S, 77
LEVINE S, 62
LEVY B.S, 63
LILIENFELD A.M, 62, 64-65
LILIENFELD D.E, 64-65
LIPKIN M.JR, 66
LLOPIS A, 9-10
LOCHHEAD J, 114
LOCKERBIE L, 67
LOWE C.R, 68-72
LUTZ W, 19, 67, 73-D4
LWANGA S.K, 69, 76-77
LYBRAND W.A, 66
MACMAHON B, 78-79
MAUSNER J.S, 80
MAYRENT S.M, 37
MCCUNNEY R.J, 81
MCCUSKER J, 82
MEDINA E.L, 35
MIETTINEN O.S, 83
MIKHEEV M.I, 50
MILLER D.L, 84
MORGENSTERN H, 52-53
MORRIS J.N, 85
MORROW R.H, 111
MORTON R.F, 86-87
NAJERA E, 9-10
NORELL S, 2

NORMAN G.R., 88
ORGANIZACION PANAMERICANA DE LA SALUD, 12-18
PADIEU R., 104
PAMPIGLIONE S., 89
PARMEGGIANI L., 90
PAUL J.R., 91
PEACH H., 92
PETERSON D.R., 93
PHILIPPE P., D5
PHILLIPS D.S., D6
PHOON W.O., 94-95
PICKLES WILLIAM, 96
PLANZ V.M., 97
PUGH T.F., 78-79
RAYDK, 43
RIEGELMAN R.K., 98
ROBERTS C.J., D7
ROBINSON DEREK, 99
ROHT L.H., 100
ROSE G., 6, 101
ROSENSTOCK L., 102
ROTHMAN K.J., 103
RUMEAU ROUQUETTE C., 104
SACKETT D.L., 105
SCHILLING R.S.F., 31
SCOTT M.J., 61
SELWYN B.J., 100
SEMPOS C.T., 49
SHIPP P.J., 43
SMITH W.C.S., 110
SOMMER A., 106
SPILKER B., 107
STREINER D.L., 88, 108
SUSSER M., 109
TERRIS M., 9-10
THOMAS D.B., 93
THOMPSON W.D., 51
TUGWELL P., 105
TUNSTALL PEDOE H., 110
TYE C.Y., 76
VAN DER HEYDEN A., D8
VAUDHAN J.P., 111
WAGNER E.H., 27
WAINWRIGHT A.H., 42
WEGMAN D.H., 63
WELCOME TROPICAL INSTITUTE, D9
WERNER D., 112-113
WHIMBEY A., 114
WOOD C.H., 31
WORLD HEALTH ORGANIZATION, 115-119

Textes francais -- Index par auteur

ACKERMANN LIEBRICH U, 2
BERNARD P.M, 10
BREART G, 108
CLEROUX R, 48, 50
COURTEJOIE J, D8
GOLDBERG MARCEL, 35
GUTZWILLER F, 2
HEBEL J.R, 91
HOEY J, D3
JENICEK M, 48-51
KEIL U, 2
KOSTRZEWSKI J, 75
KUNZE M, 2
LAMBERT R, D3
LAPOINTE C, 10
LOWE C.R, 75
MORTON R.F, 91
PADIEU R, 108
PHILIPPE P, D5
RUMEAU ROUQUETTE C, 108
VAN DER HEYDEN A, D8
WORLD HEALTH ORGANIZATION, 122

Textes espagnols -- Index par auteur

ARANDA PASTOR J, 4
BUCK C, 12
CENTRO PANAMERICANO DE ECOLOGIA HUMANA Y SALUD, 14-20
COLIMON K.M, 22
COREY GERMAN, 23
GONZALEZ C.L, 37
GUERRERO R.V, 37
KOSTRZEWSKI J, 76
LEVINE S, 66
LILIENFELD A.M, 69-66
LILIENFELD D.E, 69
LLOPIS A, 12
LOWE C.R, 76
MACMAHON B, 83
MEDINA E.L, 37
NAJERA E, 12
ORGANIZACION PANAMERICANA DE LA SALUD, 14-20
PUGH T.F, 83
TERRIS M, 12

PARTIE II - Index par titre

- 101 *Allgemeine Epidemiologie (General Epidemiology).*
- 47 *Basic Manual in Biostatistics for IMR Research Workers.*
- D6 *Basic Statistics for Health Science Students.*
- 59 *Basic Statistics for the Health Sciences.*
- 116 *Biostatistics and Epidemiology - A Primer for Health Professionals*
- 113 *Causal Thinking in the Health Sciences. Concepts and Strategies of Epidemiology.*
- 11 *The Challenge of Epidemiology: Issues and Selected Readings.*
- 29 *Clinical Epidemiology - The Essentials. (2nd Edition)*
- 27 *Clinical Epidemiology: The Architecture of Clinical Research.*
- 106 *Clinical Occupational Medicine.*
- 109 *Clinical Epidemiology: A Basic Science for Clinical Medicine.*
- 95 *Clinical Epidemiology.*
- 26 *Comprehensive Text on Community Health and Safety in the Tropics.*
- 9 *Control of Communicable Diseases in Man. (15th edition)*
- 122 *Créters d'hygiène de l'environnement 27 - Eléments d'éco-épidémiologie.*
- 41 *Data Handling in Epidemiology.*
- 12 *El desafío de la Epidemiología: Problemas y Lecturas seleccionadas.*
- 5 *Development of Survey Methods to Assess Survey Practices.*
- 61 *A Dictionary of Epidemiology.*
- 18 *Diseños de Investigación para la Comprobación de Hipótesis Epidemiológicas: Estudios Transversales y Retrospectivos.*
- 19 *Diseños de Investigación para la Comprobación de Hipótesis Epidemiológicas: Estudios Prospectivos y Tabla de Vida.*
- 38 *Educational Handbook for Health Personnel. (WHO Offset Publication No. 35).*
- D3 *Éléments d'épidémiologie pour le clinicien*
- 64 *The Environment, Public Health, and Human Ecology -- Considerations for Economic Development.*
- 121 *Environmental Health Criteria 27 - Guidelines on Studies in Environmental Epidemiology.*
- 36 *Environmental Epidemiology: Epidemiological Investigation of Community Environmental Health Problems.*
- 63 *Environmental Epidemiology*
- 4 *Epidemiología General (Texto-Guía para Estudiantes de Medicina), Tomo Primero.*
- 76 *Epidemiología: Guía de Métodos de Enseñanza.*
- 15 *La Epidemiología y su Aplicación a los Problemas de Salud Derivados de la Contaminación Ambiental.*
- 37 *Epidemiología*
- 56 *Epidemiologic Research - Principles and Quantitative Methods.*
- 57 *Epidemiologic Research: Principles & Quantitative Methods.*
- 91 *Epidémiologie et Biostatistique - Une introduction programmée.*
- 48 *Epidémiologie: Principes, Techniques, Applications.*
- 75 *Epidémiologie: Un Guide de Méthodes d'Enseignement.*
- 2 *Epidémiologie.*
- 35 *L' épidémiologie sans peine*
- D5 *Epidémiologie pratique*
- 50 *Epidémiologie Clinique - Clinimétrie*
- 7 *Epidemiology in Medical Practice.*
- 105 *Epidemiology for the Uninitiated.*
- 82 *Epidemiology - Principles and Methods.*
- 72 *Epidemiology - A Guide to Teaching Methods.*
- 54 *Epidemiology of occupational health.*
- 34 *Epidemiology and Public Health: PreTest Self-Assessment and Review.*

- 58 *Epidemiology in Health Care Planning.*
- 86 *Epidemiology in Community Health - A self-teaching manual for rural health workers.*
- 88 *Epidemiology of Diseases.*
- 110 *Epidemiology and Statistics for the Ophthalmologist.*
- 46 *Epidemiology and Health Policy.*
- 24 *Epidemiology in Health Services Management.*
- D7 *Epidemiology for Clinicians.*
- 98 *Epidemiology for the Health Officer: a Field Manual for the Tropics.*
- 39 *Epidemiology in Medicine.*
- 103 *Epidemiology and the Community Control of Disease in Warm Climate Countries*
- 66 *Epidemiology and Health Policy*
- D2 *Epidemiology and Health Risk Assessment*
- 100 *Epidemiology in Country practice*
- 96 *Epidemiology of common diseases*
- 43 *Epidemiology and Health.*
- 30 *Epidemiology: Man and Disease.*
- 25 *Essential Community Medicine (including relevant social services).*
- 78 *Finding and Using Information. (Nr 3 in the series: Community Health Surveys: A Practical Guide for Health Workers.)*
- 68 *Foundations of Epidemiology. (2nd edition)*
- 97 *Fundamentals of Epidemiology: An Instruction Manual.*
- 22 *Fundamentos de Epidemiologia.*
- 69 *Fundamentos de Epidemiologia*
- 20 *Generalidades. (No. 1 en series: Evaluacion Epidemiologica de Riesgos Quimicos)*
- 14 *Guia para el coordinador y los instructores del curso (de: Evaluacion Epidemiologica de Riesgos Quimicos).*
- 111 *Guide to Clinical Studies and Developing Protocols.*
- 45 *Guidelines for Health Manpower Planning - A Course Book.*
- 93 *Handbook for Health Workers in Africa.*
- 85 *Handbook of Occupational Medicine.*
- 73 *Health Statistics - A manual for teachers of medical students.*
- 65 *The Health Detective's Handbook. A Guide to the Investigation of Environmental Health Hazards by Nonprofessionals.*
- 74 *Health Statistics and Medical Students - A Guide for Teachers.*
- 124 *Health Hazards of the Human Environment.*
- 44 *Health Care and Epidemiology.*
- 118 *Helping Health Workers Learn.*
- 119 *Instructor's Guide for Problem Solving and Comprehension. A Short Course in Analytical Reasoning. (3rd Edition)*
- 94 *International Directory of Databases and Data Banks in Occupational Health.*
- D4 *Interviewing and Recording. (Nr 5 in the series: Community Health Surveys: A Practical Guide for Health Workers.)*
- 3 *Introduction to Modern Epidemiology.*
- 52 *An Introduction to Epidemiologic Methods.*
- 49 *Introduction à l'Epidemiologie.*
- D1 *An Introduction to Epidemiology.*
- D9 *A 9-part Manual for Distance Learning in Tropical Countries.*
- 115 *Manual of Epidemiology for District Health Management.*
- 6 *The Mathematical Theory of Infectious Diseases and its Applications.*
- 84 *Mausner & Bahn - Epidemiology - An Introductory Text.*
- 114 *MCQs in Epidemiology and Community Medicine. (MCQs : Multiple Choice Questions).*
- 42 *Measurement of Levels of Health.*
- 1 *Measurement in Health Promotion and Protection*

- 17 *La Medicina en el Trabajo Epidemiológico. (No. 7 en series: Evaluación Epidemiológica de Riesgos Químicos)*
- 10 *Mesures Statistiques en Epidémiologie*
- 51 *Méta-Analyse en Médecine. Evaluation et synthèse de l'information clinique et épidémiologique.*
- 108 *Méthodes en Epidémiologie*
- 55 *Methods in Observational Epidemiology.*
- 107 *Modern Epidemiology.*
- 60 *Occupational Medicine.*
- 67 *Occupational Health - Recognizing and Preventing Work-Related Disease (2nd edition).*
- 28 *Occupational Medical Management - A Guide to the Organization and Operation of In-plant Occupational Health Services.*
- 33 *Occupational Health - A Manual for Health Workers in Developing Countries.*
- 92 *PDQ Statistics.*
- 112 *PDQ Epidemiology*
- 123 *The Place of Epidemiology in Local Health Work - The Experience of a Group of Developing Countries.*
- 77 *Planning and Organizing.*
- 70 *Population-based Medicine.*
- 8 *Practical Epidemiology (Medicine in the Tropics Series). (2nd edition)*
- 21 *Presenting Survey Information. (Nr 6 in the series: Community Health Surveys: A Practical Guide for Health Workers.)*
- 13 *Preventive Medicine and Public Health.*
- 31 *Primer of Epidemiology.*
- 32 *Primer of Biostatistics. (2nd Edition)*
- 83 *Principios y métodos de Epidemiología*
- 104 *Principles of Epidemiology - A Self-Teaching Guide.*
- 62 *Public Health and Human Ecology*
- 71 *Questionnaire Design. (Nr 4 in the series: Community Health Surveys: A Practical Guide for Health Workers.)*
- 81 *Sample Size Determination in Health Studies - A Practical Manual.*
- 79 *Sampling: How to Select People, Households, Places to Study Community Health.*
- 16 *Secuencia del Quehacer Epidemiológico. (No. 5 en series: Evaluación Epidemiológica de Riesgos Químicos)*
- 53 *Statistical Methods in Epidemiology.*
- 40 *Statistics.*
- D8 *Statistique Sanitaire.*
- 90 *A Study Guide to Epidemiology and Biostatistics - including 100 multiple-choice questions. (2nd Edition)*
- 102 *Studying a Study and Testing a Test - How to Read the Medical Literature (2nd edition).*
- 80 *Teaching Health Statistics - Twenty lessons and seminar outlines.*
- 120 *Teaching Epidemiology in Occupational Health.*
- 99 *Textbook of Community Medicine in South-East Asia.*
- 87 *Theoretical Epidemiology. Principles of Occurrence Research in Medicine.*
- 89 *Uses of Epidemiology. (3rd Edition)*
- 23 *Vigilancia en Epidemiología Ambiental. (No. 1 serie vigilancia)*
- 117 *Where There Is No Doctor - a village health care handbook.*

Index par titre en français

- 122 *Critères d'hygiène de l'environnement 27 - Eléments d'éco-épidémiologie.*
D3 *Eléments d'épidémiologie pour le clinicien*
91 *Epidémiologie et Biostatistique - Une introduction programmée.*
48 *Epidémiologie: Principes, Techniques, Applications.*
75 *Epidémiologie: Un Guide de Méthodes d'Enseignement.*
2 *Epidémiologie.*
35 *L' épidémiologie sans peine*
D5 *Epidémiologie pratique*
50 *Epidémiologie Clinique - Clinimétrie*
49 *Introduction à l'Epidémiologie.*
10 *Mesures Statistiques en Epidémiologie*
51 *Méta-Analyse en Médecine. Evaluation et synthèse de l'information clinique et épidémiologique.*
108 *Méthodes en Epidémiologie*
D8 *Statistique Sanitaire.*

Index par titre en espagnol

- 12 *El desafío de la Epidemiología: Problemas y Lecturas seleccionadas.*
18 *Diseños de Investigación para la Comprobación de Hipótesis Epidemiológicas: Estudios Transversales y Retrospectivos.*
19 *Diseños de Investigación para la Comprobación de Hipótesis Epidemiológicas: Estudios Prospectivos y Tabla de Vida.*
4 *Epidemiología General (Texto-Guía para Estudiantes de Medicina), Tomo Primero.*
76 *Epidemiología: Guía de Métodos de Enseñanza.*
15 *La Epidemiología y su Aplicación a los Problemas de Salud Derivados de la Contaminación Ambiental.*
37 *Epidemiología*
66 *Epidemiology and Health Policy*
22 *Fundamentos de Epidemiología.*
69 *Fundamentos de Epidemiología*
20 *Generalidades. (No. 1 en series: Evaluación Epidemiológica de Riesgos Químicos)*
14 *Guía para el coordinador y los instructores del curso (de: Evaluación Epidemiológica de Riesgos Químicos).*
17 *La Medición en el Trabajo Epidemiológico. (No. 7 en series: Evaluación Epidemiológica de Riesgos Químicos)*
83 *Principios y métodos de Epidemiología*
16 *Secuencia del Quehacer Epidemiológico. (No. 5 en series: Evaluación Epidemiológica de Riesgos Químicos)*
23 *Vigilancia en Epidemiología Ambiental. (No. 1 serie vigilancia)*

PARTIE III - LISTE PRINCIPALE

- A -

1

Authors: Abelin T., Brzenzinski Z.J. and Carstairs V.D.L. (editors)
Title: Measurement in Health Promotion and Protection
Year: 1987
Publisher: World Health Organization
Language: English Length: 682 p. Cost: Sw.fr 80.00

Description: A rich sourcebook of concepts, epidemiological tools, and practical examples illustrating ways to measure changes in health status and then relate these changes to specific policies and interventions. Emphasis is placed on concepts and approaches that are in line with the shift towards preventive medicine and the corresponding appreciation for the importance of such factors as behaviour, life-style, and environmental conditions. The book presents a large number and range of quantitative methods that can serve as reliable tools for identifying problems, setting targets, and assessing progress. Contributions from more than 70 experts in the fields of epidemiology, statistics, behavioural research, and social and preventive medicine are included.

3

Authors: Ahlbom A. and Norell S.
Title: Introduction to Modern Epidemiology.
Year: 1984
Publisher: Epidemiology Resources, Inc.
Language: English Length: 95 p. Cost: ?

Description: This textbook (with exercises), provides a concise description of the core ideas underlying epidemiological research, and will be a valuable springboard (and also a useful reference) for those who desire to acquaint themselves with modern epidemiology. It includes clear descriptions of some modern concepts that were not previously presented at the introductory level. (edited excerpts from the introduction).

TABLE OF CONTENTS

1. What is Epidemiology?
 2. Measures of Disease Occurrence
 - Absolute numbers and numbers related to size of population
 - Incidence and prevalence
 - Three measures of disease occurrence
 - The interrelation between the three measures
 - Crude and specific measures
 3. Disease and Diagnosis
 - Symptoms, signs, and tests
 - Diagnostic criteria
 - Classification of diseases
 - Accuracy of diagnoses
 4. Sensitivity and Specificity
 - Definitions
 - Implications for estimation of prevalence
 - Implications for screening
 5. Measures for Comparisons of Disease Occurrence
 - Absolute and relative comparisons
 - Standardization
 - Attributable proportion
 - Comparisons based on different measures of disease occurrence
 6. Risk Indicators and Causes of Disease
 - Risk indicators
 - Causes of disease
 - Causal model I
 - Causal model II
 7. Accuracy of Epidemiologic Studies
 - Validity and reliability
 - Validity in comparisons of disease occurrence
 8. Study Design
 - Cohort studies
 - Case control studies
 - Advantages and disadvantages of the two kinds of studies
 - Retrospective cohort studies
 - Matched case control studies
 - Choice of comparison group
 - Study size
 9. Data Analysis
 - Confidence intervals and significance tests
 - Measures of disease occurrence
 - Measures for comparisons of disease occurrence
 - Stratification
 - Cohort study
 - Case-control study
- Solutions to Exercises
Index

2

Authors: Ackermann Liebrich U., Gutzwiller F., Keil U. and Kunze M.
Title: Epidémiologie.
Year: 1986
Publisher: Meducation Foundation
Language: French, German Length: 137 p. Cost: ?

Description: Le présent ouvrage s'adresse à tous ceux qui s'occupent en pratique de médecine préventive, c'est-à-dire non exclusivement à des médecins. Ce livre a également pour objet de contribuer à faire mieux connaître la nature et les tâches de l'épidémiologie.

4

Authors: Aranda Pastor J.
Title: Epidemiología General (Texto-Guia para Estudiantes de Medicina), Tomo Primero.
Year: 1971
Publisher: Universidad de Los Andes
Language: Spanish Length: 500+ p. Cost: ?

Description:

CONTENIDO DEL TOMO PRIMERO

- Prologo
- Prefacia del Autor
- Contenido del Tomo Segundo
- Objetivos de la enseñanza de Epidemiología
 1. Definiciones y significacion de terminos tecnicos de uso frecuente en epidemiologia

UNIDAD I. CONCEPTO Y PRINCIPIOS DE LA EPIDEMIOLOGIA

2. El concepto de la epidemiologia. Su evolucion. Sus relaciones con las otras disciplinas de la medicina y de la salud publica. Usos de la epidemiologia
3. Concepto ecologico de la salud y la enfermedad. La epidemiologia como ecologia medica
4. La asociacion causal en epidemiologia

UNIDAD II. HISTORIA NATURAL DE LA ENFERMEDAD

5. Factores responsables del desarrollo de una enfermedad
6. Cadena epidemiologica
7. La historia natural de la enfermedad. Niveles de prevencion
8. Historia natural de una enfermedad transmisible: ejemplarizada en la sifilis
9. Control de las enfermedades transmisibles. Clasificacion epidemiologica de las enfermedades transmisibles

UNIDAD III. METODOS DE EPIDEMIOLOGIA

10. Categorias epidemiologicas: Estudio de las variables en relacion al espacio, tiempo, caracteristicas personales y exposicion al riesgo
11. Concepto de endemia y epidemia. Incidencia y prevalencia y sus medidas
12. El metodo epidemiologico
13. Aplicacion del metodo epidemiologico en el caso de una epidemia
14. Investigacion epidemiologica del caso. Ficha epidemiologica
15. Epidemiologia de la enfermedad. Epidemiologia de una enfermedad transmisible
16. Epidemiologia de una enfermedad no transmisible

UNIDAD IV. BASES EPIDEMIOLOGICAS DE LA INMUNOLOGIA APLICADA

17. Bases epidemiologicas de los programas de inmunizacion. Evaluacion de los programas de inmunizacion.
18. Inmunologia aplicada. Tecnicas generales de inmunizacion. Complicaciones, accidentes y contraindicaciones en general. Bases para establecer un calendario de inmunizaciones
19. Tipos de inmunizacion activa artificial
20. Tipos de inmunizacion pasiva artificial

INDICE ALFABETICO (de los Tomos 1 y 2)

CONTENIDO DEL TOMO SEGUNDO

UNIDAD V. FACTORES EPIDEMIOLOGICOS DEL MEDIO AMBIENTE FISICO

21. La epidemiologia del medio ambiente fisico
22. Suelo. Importancia epidemiologica de la disposicion de excretas y aguas negras. Metodos de control.
23. Agua. Importancia epidemiologica. Metodos de control.
24. Basuras. Importancia epidemiologica. Metodos de control.
25. Vectores. Importancia epidemiologica de las moscas, mosquitos y ratas. Metodos de control.
26. Alimentos. Importancia epidemiologica. Metodos de control.
27. Leche. Importancia epidemiologica. Metodos de control.
28. Insecticidas. Medidas preventivas y primeros auxilios a los intoxicados. Descripcion y medidas terapeuticas.
29. Vivienda. Importancia epidemiologica. Bases para un programa de vivienda y terapeutica social.

- 30. Contaminacion del aire. Importancia epidemiologica. Metodos de control.
 - 31. Radiaciones ionizantes. Importancia epidemiologica. Metodos de control.
 - UNIDAD VI. ENFOQUE EPIDEMIOLOGICO DE LOS PROBLEMAS NUTRICIONALES
 - 32. Alimentacion, nutricion y salud. Patrones alimentarios. Clasificacion de alimentos.
 - 33. Requerimientos nutricionales.
 - 34. Elementos basicos de la dieta.
 - 35. Historia natural de la demutricion. Niveles de prevencion.
- APENDICE

INDICE ALFABETICO (de los Tomos 1 y 2)

5
 Authors: Bailar B.A. and Lanphier C.M.
 Title: Development of Survey Methods to Assess Survey Practices.
 Year: 1978
 Publisher: American Statistical Association
 Language: English Length: 117 p. Cost: ?

Description: This is a report on a developmental and feasibility study, the purposes of which were to devise criteria to assess the quality of survey data, to construct a sampling frame from which to select representative surveys from different sectors of the survey-taking population, to develop an interview schedule which would help to obtain information needed to apply the various criteria, and to pretest the interview schedule on a sample of surveys. This report describes the feasibility study and assesses the degree to which it met these objectives. (excerpts from the preface).

TABLE OF CONTENTS

- 1. Background
- 2. Purposes of the developmental and feasibility study
- 3. Design of the developmental and feasibility study
- 4. Summary of results
- 5. Major findings on methodology and recommendations for nationwide study
- 6. Design of the nationwide study
- Appendix A. Proposal from the ASA, subsection on survey research methods, on a study of practices and survey research
- Appendix B. Background paper on defining survey research, its objectives, and uses
- Appendix C. Interview schedule for survey of surveys
- References

7
 Authors: Barker D.J.P. and Rose G.
 Title: Epidemiology in Medical Practice.
 Year: 1984
 Publisher: Churchill Livingstone, Inc.
 Language: English Length: 158 p. Cost: £ 5.95

Description: This book is intended for doctors and undergraduate medical students. It is divided into three sections. ** The first introduces the methods used to describe the distribution of disease in populations. ** The second shows how epidemiological methods may be used to discover causes of disease so as to enable prevention. ** The third describes four aspects of patient care which require an understanding of epidemiology - screening, prognosis, epidemics and evaluation of medical services. (copied from the back cover).

TABLE OF CONTENTS

- Section 1. Description of disease in the community
- 1. Community diagnosis: national problems; regional problems; time trends; high-risk groups; defining priorities.
- 2. Sources of information-routine statistics: Population statistics; mortality statistics (general and occupational); morbidity statistics (hospital, general practice, notifications, registers, social security and other sources); record linkage. References to available sources.
- 3. Sources of information-Surveys: case definitions; quality control (repeatability, validity); types of survey (simple descriptive surveys, cross-sectional and longitudinal population surveys).
- 4. Methods of description: numbers and rates; prevalence and incidence; geographical distributions (including age/sex standardisation of rates); distributions in time (secular and cyclic trends); the characteristics of individuals (age, sex, socio-economic status, occupation); indicators.
- Section 2. Prevention of disease
- 5. Aetiology: descriptive studies (geographical, temporal and age distributions; analytic studies (case-control and cohort studies, execution of studies, selection of controls, interpretation of data, correlation, significance tests, interactions of causes); causes of disease in populations and individuals

6
 Authors: Bailey N.T.J.
 Title: The Mathematical Theory of Infectious Diseases and its Applications.
 Year: 1975
 Publisher: Charles Griffin & Company, Ltd.
 Language: English Length: 375 p. Cost: ?

Description:

TABLE OF CONTENTS

- PART 1. ORIENTATION
- 1. General Introduction
- 2. Historical Outline
- 3. Epidemiological Principles
- 4. Methodological Aspects
- PART 2. GENERAL THEORY
- 5. Simple Epidemics
- 6. General Epidemics
- 7. Recurrent Epidemics and Endemicity
- 8. Discrete-time Models
- 9. Spatial Models
- 10. Carrier Models
- 11. Host-vector and Venereal Disease Models
- 12. The Purpose of General Theory
- PART 3. SPECIFIC APPLICATIONS
- 13. The Detection of Infectiousness
- 14. Chain-binomial Models
- 15. Latent, Infectious and Incubation Periods
- 16. Simple Multistate Models
- 17. Parasitic Diseases
- 18. Interference Models
- 19. Geographical Spread
- 20. Immunization Programs
- 21. Public Health Control

8
 Authors: Barker D.J.P.
 Title: Practical Epidemiology (Medicine in the Tropics Series). (2nd edition)
 Year: 1976
 Publisher: Churchill Livingstone, Inc.
 Language: English Length: 180 p. Cost: \$NZ 5.60

Description: This book meets the need for a short, practical manual of epidemiology for the use of doctors and medical students in developing countries. In this edition, the author has updated the text throughout, with revision of many details. The final chapter, on the application of epidemiological techniques, has been considerably re-written and expanded. (excerpts from the back cover).

TABLE OF CONTENTS

- Preface
- 1. The purpose and methods of epidemiology
- 2. Making observations and counting diseases
- 3. Populations and samples
- 4. Controls
- 5. Some important epidemiological variables and attributes
- 6. Records
- 7. Fieldwork techniques
- 8. Analysis and presentation of findings
- 9. Investigation of epidemics
- 10. Trials of preventive measures
- 11. The application of epidemiological techniques
- Suggested further reading
- Index

6. Evaluation of preventive measures: need for objective evidence of effectiveness (examples of unsubstantiated measures); observational studies, with and without control groups; experimental studies; trials to test aetiological hypotheses

Section 3. Epidemiology and patient care

7. Natural history and prognosis: limitations of clinical experience (case selection and incomplete follow-up); the clinical follow-up study (case definition and ascertainment, pilot study, record design, follow-up); methods of describing prognosis (case fatality rate, survival rates, life-table analysis); record linkage; the precursor and preclinical phases of diseases.
8. Screening: screening in clinical practice; mass screening surveys; assessment of screening test (repeatability, validity); evaluation of screening service (costs, yield).
9. Epidemics: infectious disease epidemics; modern epidemics; new diseases; investigation (verification of diagnosis, confirmation of epidemic, characterisation of cases, investigation of population at risk, formulation of hypothesis); management of epidemics (treatment of cases, control measures, surveillance).
10. Epidemiology in the evaluation of medical services: measurement of outcome; cost; efficiency, observational studies; experimental studies.

Index

9

Authors: Benenson A.S. (editor)
Title: Control of Communicable Diseases in Man. (15th edition)
Year: 1990
Publisher: The American Public Health Association
Language: English *Length:* 532 p. *Cost:* US\$ 15.00

Description: CCDM was first published in 1917 to present the essential facts needed to control communicable diseases of man. Quinquennial revisions assure that the information and recommended practices remain up to date. The book provides health workers with a ready source of information on how to recognize a specific disease, prevent the spread of the infection, and treat the patient. The main aim is to provide an accurate, informative text for public health workers. A second function is to furnish public health administrators with a guide and a source of materials for preparing regulations and legal requirements for the control of communicable disease and for developing health education for the public. (excerpts from preface).

10

Authors: Bernard P.M., Lapointe C.
Title: Mesures Statistiques en Epidémiologie
Year: 1987
Publisher: Presses de l'Université du Québec
Language: French *Length:* 314 p. *Cost:* 221 FF

Description: Cet ouvrage tient plutôt du manuel que du traité. Chaque mesure est définie au plan conceptuel et au plan opérationnel. Le lecteur devrait pouvoir comprendre ce qu'est une mesure particulière, mais aussi être capable de la calculer sur un ensemble de données. Pour donner au texte un caractère universel et lui conserver une orientation méthodologique, les exemples sont fictifs mais vraisemblables. La lecture de ce manuel n'exige aucune formation particulière en statistique ou en médecine. Accessible aux étudiants du 1er et 2ème cycle universitaire, il s'adresse à la clientèle des diverses composantes des sciences de la santé, notamment en santé communautaire, épidémiologie, milieu du travail et en recherche clinique.

TABLE DES MATIERES

Avant-propos

PARTIE I. NOTIONS PREALABLES

- Chapitre 1. Variables et échelles de classification
- Chapitre 2. Types d'études en épidémiologie

PARTIE II. MESURES DE BASE

- Chapitre 3. Mesures descriptives générales d'un ensemble de données
- Chapitre 4. Mesures de fréquence
- Chapitre 5. Espérance de vie

PARTIE III. MESURES COMPOSEES

- Chapitre 6. Mesures d'association
- Chapitre 7. Mesures d'impact
- Chapitre 8. Mesures d'interaction
- Chapitre 9. Mesures d'accord

PARTIE IV. MESURES DE PROBABILITE

- Chapitre 10. Mesure de probabilité
- Chapitre 11. Mesure de la probabilité de survie
- Chapitre 12. Mesures de validité des tests diagnostiques (ou de dépistage)
- Chapitre 13. Valeur-p ou degré de signification

PARTIE V. VALIDITE ET PRECISION

- Chapitre 14. Notion de justesse
- Chapitre 15. Biais dans les mesures d'association RR et RC
- Chapitre 16. Ajustement des mesures
- Chapitre 17. Intervalle de confiance

Lexique Anglais-Français

Index

11
Authors: Buck C., Llopis A., Najera E. and Terris M. (Editors)
Title: The Challenge of Epidemiology: Issues and Selected Readings.
Year: 1988
Publisher: Pan American Health Organization and WHO
Language: English *Length:* 989 p. *Cost:* US\$ 30.00

Description:

Published also in Spanish (1988) as: El desafio de la epidemiologia: problemas y lecturas seleccionadas.

CONTENTS

Preface
Introduction

PART I. HISTORICAL DEVELOPMENT

Discussion

PART II. FROM THE OLD TO THE NEW EPIDEMIOLOGY

PART III. ETIOLOGIC INVESTIGATIONS

Discussions

- A. Measurement of Health Status
- B. Time, Place, and Person
- C. Studies in Epidemics
- D. Case Control Studies
- E. Cohort Studies
- F. Experimental Studies

PART IV. HEALTH SERVICES AND HEALTH POLICY

- A. Preventive Services
- B. Medical Care

PART V. PERSPECTIVES AND PROSPECTS

Discussions
Appendix

12
Authors: Buck C., Llopis A., Najera E. and Terris M. (Editors)
Title: El desafio de la Epidemiologia: Problemas y Lecturas seleccionadas.
Year: 1988
Publisher: Organizacion Panamericana de la Salud en colaboracion con OMS
Language: Spanish *Length:* 1077 p. *Cost:* ?

Description:

Publicada tambien en ingles (1988) con el titulo: The Challenge of Epidemiology: Issues and Selected Readings.

CONTENIDO

Prefacio

Introducción

PARTE I. DESARROLLO HISTORICO

Discusión

PARTE II. DE LA ANTIGUA A LA NUEVA EPIDEMIOLOGIA

Discusión

PARTE III. INVESTIGACION ETIOLOGICA

Discusión

- A. Determinación des Estado de Salud
- B. Momento, Lugar y Persona
- C. Estudios de Epidemias
- D. Estudios de Control de Casos
- E. Estudios de Cohortes
- F. Estudios Experimentales

PARTE IV. SERVICIOS DE SALUD Y POLITICA DE SALUD

Discusión

- A. Servicio Preventivos
- B. Atención Médica

PARTE V. PERSPECTIVAS Y ORIENTACIONES

Discusión

Anexo

13
Authors: Cassens B. (Editor)
Title: Preventive Medicine and Public Health.
Year: 1987
Publisher: John Wiley & Sons, Inc.
Language: English *Length:* 358 p. *Cost:* US\$ 21.00

Description: This book can be used for: course study, review and exam preparation. The National Medical Series for Independent Study presents a new system for effective learning and review. It includes outlines of the basic and clinical sciences, board-type questions, and annotated answers. The books in the Clinical Science Group have been designed specifically for the medical student who wants to: * Master large amounts of information in a limited amount of time * Prepare for FLEX and Parts II and III of the National Boards. (excerpts from the back cover).

CONTENTS:

Contributors
Preface

Acknowledgements

Publisher's Note

Introduction

Pretest

- 1 General Principles of Epidemiology
 - 2 Experimental Designs and Research Approaches
 - 3 Statistics
 - 4 Epidemiology and Prevention of Selected Acute Illnesses
 - 5 Epidemiology and Prevention of Selected Chronic Illnesses
 - 6 Maternal Health Issues
 - 7 Health Care of the Young
 - 8 Injuries
 - 9 Mental Health
 - 10 Mental Retardation
 - 11 Substance Abuse
 - 12 Occupational Medicine
 - 13 Environmental Health Issues
 - 14 Legal Aspects of Medical Practice and Community Medicine
 - 15 Medical Ethics
 - 16 Health Care Manpower
 - 17 Health Care Services
 - 18 Health Care Financing
- Post-test
Index

14
Authors: Centro Panamericano de Ecologia Humana y Salud; Organizacion Panamericana de la Salud; OMS
Title: Guia para el coordinador y los instructores del curso (de Evaluacion Epidemiologica de Riesgos Quimicos).
Year: 1985
Publisher: ECO
Language: Spanish *Length:* *Cost:* ?

Description:

CONTENIDO

Guia para el coordinador y los instructores del curso

Introducción

Información y sugerencias para el coordinador del curso

Características generales del desarrollo del curso

Ejercicio final

Calendario y secuencia de actividades

El instructor

Información y sugerencias para los instructores

responsables de los grupos

Condiciones y utiles necesarios

Desarrollo de las unidades de trabajo

Modelo de ejercicio final

Formulario de evaluación del curso

Respuestas de los ejercicios

15
 Authors: Centro Panamericano de Ecología Humana y Salud;
 Organización Panamericana de la Salud; OMS
 Title: La Epidemiología y su Aplicación a los Problemas de Salud
 Derivados de la Contaminación Ambiental.
 Year: 1985
 Publisher: ECO
 Language: Spanish Length: Cost: ?

Description:

CONTENIDO

Concepto de epidemiología y sus implicaciones prácticas
 El quehacer epidemiológico
 El enfoque epidemiológico
 La epidemiología en el campo de la contaminación ambiental
 El método epidemiológico (artículo)
 Algunas consideraciones sobre la evolución del concepto de
 epidemiología (artículo)

17
 Authors: Centro Panamericano de Ecología Humana y Salud;
 Organización Panamericana de la Salud; OMS
 Title: La Medición en el Trabajo Epidemiológico. (No. 7 en
 series: Evaluación Epidemiológica de Riesgos Químicos)
 Year: 1985
 Publisher: ECO
 Language: Spanish Length: Cost: ?

Description:

CONTENIDO

Ajuste de tasas
 Evaluación de procedimientos de detección

19
 Authors: Centro Panamericano de Ecología Humana y Salud;
 Organización Panamericana de la Salud; OMS
 Title: Diseños de Investigación para la Comprobación de Hipótesis
 Epidemiológicas: Estudios Prospectivos y Tabla de Vida.
 Year: 1985
 Publisher: ECO
 Language: Spanish Length: Cost: ?

Description:

CONTENIDO

Diseño prospectivo
 Análisis de datos
 Tabla de vida
 Algunos aspectos comparativos, ventajas y
 desventajas de los estudios retrospectivos,
 prospectivos y transversales
 Apéndice estadístico: series cronológicas
 Tendencia secular
 Variación estacional

21
 Authors: Chalmers J. and Lutz W.
 Title: Presenting Survey Information. (Nr 6 in the series:
 Community Health Surveys: A Practical Guide for Health
 Workers.)
 Year: 1989
 Publisher: International Epidemiological Association and WHO
 Language: English Length: 128 p. Cost: Free ?

Description: *The results of health and community surveys become
 useful and meaningful only after the survey questionnaires and forms
 have been properly coded, the information extracted and analysed and
 the results reported. Straightforward statistical and graphical
 procedures are explained and demonstrated step by step, thereby
 enabling health personnel to code, extract, analyse and interpret
 survey information. The importance of a clear, logical and
 interesting report is stressed and simple guidelines are given on how
 this may be achieved. (copied from the back cover).*

LIST OF CONTENTS

SECTION A: CODING

1. Introduction
2. Coding Methods
3. Sorting the Questionnaires
4. Extracting the Information
5. Checking for Errors

16
 Authors: Centro Panamericano de Ecología Humana y Salud;
 Organización Panamericana de la Salud; OMS
 Title: Secuencia del Quehacer Epidemiológico. (No. 5 en series:
 Evaluación Epidemiológica de Riesgos Químicos)
 Year: 1985
 Publisher: ECO
 Language: Spanish Length: Cost: ?

Description:

CONTENIDO

Identificación de un problema
 Recolección de datos
 Procesamiento de datos
 Identificación e interpretación de patrones de ocurrencia
 Formulación de hipótesis
 Comprobación e hipótesis
 Elaboración de conclusiones
 Aplicación de medidas de control
 Apéndice estadístico: razones, proporciones y tasas

18
 Authors: Centro Panamericano de Ecología Humana y Salud;
 Organización Panamericana de la Salud; OMS
 Title: Diseños de Investigación para la Comprobación de Hipótesis
 Epidemiológicas: Estudios Transversales y Retrospectivos.
 Year: 1985
 Publisher: ECO
 Language: Spanish Length: Cost: ?

Description:

CONTENIDO

Concepto de diseño
 Diseño transversal
 Diseño retrospectivo (casos y controles)
 Análisis de datos en el diseño retrospectivo
 Apéndice estadístico
 Tablas de contingencia
 Un procedimiento de análisis de las tablas de
 contingencia: el cálculo del χ^2

20
 Authors: Centro Panamericano de Ecología Humana y Salud;
 Organización Panamericana de la Salud; OMS
 Title: Generalidades. (No. 1 en series: Evaluación Epidemiológica
 de Riesgos Químicos)
 Year: 1985
 Publisher: ECO
 Language: Spanish Length: Cost: ?

Description:

CONTENIDO

1. Contenido
2. Preambulo
3. Prologo
4. Introduccion
5. Objetivos
6. Caracteristicas del Curso
7. Calendario y secuencia de actividades
8. Instructivo para la elaboracion de un protocolo de investigacion

22
 Authors: Colimon K.M.
 Title: Fundamentos de Epidemiología.
 Year: 1978
 Publisher: Universidad de Antioquia
 Language: Spanish Length: 536 p. Cost: ?

Description: *El desarrollo de los métodos epidemiológicos en los
 últimos veinte años ha incluido refinamientos metodológicos derivados
 de las ciencias sociales y técnicas estadísticas de gran complejidad;
 estos hechos perfilan a la Epidemiología actual como la ciencia que
 estudia la enfermedad en dos aspectos fundamentales: su dinámica en un
 medio sociocultural definido y su etiología; entendiéndose por éstas el
 estudio de los factores de riesgo que producen una determinada
 enfermedad o bien pueden ser los mismos, para los distintos lugares y
 medios sociales, pero desde luego combinados en diferente proporción,
 o aún más pueden ser distintos, de donde la investigación etiológica:
 de la pastología de un lugar debe ser propia, estando justificada...*

SECTION B: TABULATION

1. Planning the Statistical Analysis:
 - (i) Choice of statistical methods
 - (ii) Organizing the process of analysis
2. Tabulation:
 - (i) Frequency tables
 - (ii) Single variable frequency tables
 - (iii) Comparison of frequency tables
 - (iv) Percentage frequency tables
 - (v) Two-dimensional frequency tables (contingency tables)
 - (vi) Interpreting contingency tables: what to look for

SECTION C: STATISTICAL AND GRAPHICAL METHODS

1. Basic Statistical Estimates:
 - (i) Sample average
 - (ii) Sample median
 - (iii) Sample proportions and percentages
 - (iv) Sample ratios
 - (v) Estimated community totals
2. Estimation of Variability:
 - (i) Sample range
 - (ii) Quartiles
 - (iii) Standard deviation
3. Verification and Checks
4. Simple Graphical Presentation
 - (i) Pie chart
 - (ii) Histogram
 - (iii) Scatter diagram
 - (iv) Trend diagrams

SECTION D: REPORT WRITING

1. Types of Report and their Dissemination
2. Structure and Content of the Report
 - (i) Title page
 - (ii) Acknowledgements
 - (iii) Correspondence address
 - (iv) List of contents
3. Writing the Report
 - (i) Readability
 - (ii) Logical arrangement
 - (iii) Balanced presentation
 - (iv) Cross-referencing
 - (v) Appendices

SECTION E: SOME CONCLUDING REMARKS

Appendices

1. Description of Five Sampling Designs
 - (i) List sampling
 - (ii) Numbered tag sampling
 - (iii) Stratified sampling
 - (iv) Cluster sampling
 - (v) Two-Stage sampling
2. Estimates Totals for Stratified, Cluster and Two-Stage Sampling Designs
3. Estimating the Median and Quartiles from Frequency Tables
4. When is the Median preferred to the Average?
5. The Variance, Standard Deviation, Standard Error and Confidence Intervals

23

Authors: Corey German

Title: *Vigilancia en Epidemiología Ambiental. (No. 1 serie vigilancia)*

Year: 1988

Publisher: *Centro Panamericano de Ecología Humana Y Salud and WHO* Language: English Length: 387 p. Cost: ?

Language: Spanish Length: 193 p. Cost: US\$ 10.00

Description: *Este documento está concebido como apoyo a los elementos de vigilancia que se presentan en otros manuales de vigilancia específicos para algunas sustancias seleccionadas, igualmente elaborados por ECO. El material expuesto en esta ocasión está dirigido fundamentalmente a las autoridades de salud y a los servicios de salud interesados en diseñar y establecer sistemas de vigilancia epidemiológica relativos a tales sustancias. (excerpts from the prologo).*

CONTENIDO

GENERALIDADES

La vigilancia epidemiológica - Variables relacionadas con los problemas de salud causados por la contaminación ambiental

- 1 Ambitos
- 2 Agentes ambientales nocivos
- 3 Las sustancias en el ambiente
- 4 Las sustancias en el organismo humano
- 5 Fuentes contaminantes
- 6 Poblaciones
- 7 Efectos en la salud

SISTEMAS: CONCEPTO Y CARACTERÍSTICAS

Consideraciones previas al desarrollo del sistema de vigilancia

- 1 Diagnóstico
- 2 Estructura
- 3 Funciones y actividades
- 4 Objetivos
- 5 Estrategias

24

Authors: Dever G E Alan

Title: *Epidemiology in Health Services Management.*

Year: 1984

Publisher: *Aspen Systems Corporation*

Language: English Length: 387 p. Cost: ?

Description:

TABLE OF CONTENTS

Preface

Acknowledgments

1. Epidemiology: Focus on Prevention
2. Epidemiology and Health Policy
3. Epidemiology in Health Services Management
4. Epidemiological Measurement
5. Identifying Problems, Determining Priorities
6. Descriptive Epidemiology: Person
7. Descriptive Epidemiology: Place and Time
8. The Epidemiology of Health Services Utilization
9. Demographics: Epidemiological Tools
10. Marketing, Epidemiology, and Management
11. Marketing and Epidemiology: A Case Study
12. Epidemiology and Environmental Health
13. Epidemiology's Future in Health Management

Index

ELEMENTOS PARA EL DESARROLLO DE ACTIVIDADES

- 1 Actividades relacionadas con la información
- 2 Actividades de vigilancia ambiental
- 3 Actividades de vigilancia de los efectos adversos en la salud
- 4 Actividades según estructura
- 5 Actividades de evaluación

LA INVESTIGACION EN UN SISTEMA DE VIGILANCIA

ANEXOS

REFERENCIAS BIBLIOGRAFICAS
PROFESIONALES CONSULTADOS

25

Authors: Donaldson R.J. and Donaldson L.J.
Title: *Essential Community Medicine (including relevant social services)*.

Year: 1987

Publisher: MTP Press Limited

Language: English Length: 604 Cost: ?

Description: *This comprehensive textbook is a definitive guide to the complete spectrum of community medicine. The basic concepts are set out in a clear, readable and concise way. The main types of health data are described, as are the principles of disease prevention and its main strategies. The elderly, the mentally disordered, the physically handicapped, mothers and their children, have special problems. Their needs and the health and social services available to them are discussed. An up-to-date account is given of the structure, organization and function of the National Health Service and social services (UK). Communicable disease control and Environmental Health are covered. (excerpts from the back cover).*

27

Authors: Feinstein A.R.
Title: *Clinical Epidemiology: The Architecture of Clinical Research*.

Year: 1985

Publisher: Harcourt Brace Jovanovich Limited

Language: English Length: 811 p. Cost: ?

Description:

TABLE OF CONTENTS

Prologue

1. Introduction

PART I. AN OVERVIEW OF RESEARCH ARCHITECTURE

- 2. A classification of medical research
- 3. Principles of comparative research
- 4. An outline of cause-effect evaluations
- 5. An outline of process evaluations
- 6. An outline of descriptive studies

PART II. AN OUTLINE OF STATISTICAL STRATEGIES

- 7. Statistical indexes for a spectrum of data
- 8. Statistical indexes of contrast
- 9. Stochastic contrasts
- 10. Statistical indexes of association

PART III. ADDITIONAL PRINCIPLES OF CAUSE-EFFECT RESEARCH

- 11. The role of the maneuver in cause-effect research
- 12. Strategy of comparison in cause-effect research
- 13. Suitability of variables
- 14. Preliminary appraisal of the outline
- 15. Implementation of the outline: baseline state
- 16. Implementation of the outline: maneuvers
- 17. Implementation of the outline: outcome events

PART IV. STRUCTURE, SCIENCE, AND STATISTICS IN CROSS-SECTIONAL RESEARCH

- 18. An outline of cross-sectional research studies
- 19. The symbiosis of science and statistics in the interpretation of evidence
- 20. Statistical communication of cross-sectional evidence
- 21. Scientific decisions in choosing groups
- 22. Scientific decisions for data and hypotheses

PART V. NON-COHORT STRUCTURES IN CAUSE-EFFECT RESEARCH

- 23. Retrospective case-control (Trohoc studies)
- 24. Heterodemic studies

26

Authors: Ezenwa A.O.
Title: *Comprehensive Text on Community Health and Safety in the Tropics*.

Year: 1985

Publisher: Safety Sciences

Language: English Length: 396 p. Cost: ?

Description: *This book attempts to provide knowledge that will be both interesting and useful to medical students. Paramedicals and practising specialists in health and safety will also find it useful. The book supplements original literature (which is often not available), while focusing on the situation in the tropics. It will help bridge the gap between the fundamental courses and applied aspects of community health. It should assist lecturers by providing a holistic approach to the teaching of community health. Examples of successful community health practice have been highlighted. Training in community health should also provide practical community experience. (excerpts from the preface).*

28

Authors: Felton J.S.
Title: *Occupational Medical Management - A Guide to the Organization and Operation of In-plant Occupational Health Services*.

Year: 1990

Publisher: Little, Brown and Co.

Language: English Length: 571 p. Cost: ?

Description: *The objective of this book is the definition and clarification of an occupational health service (OHS), and of its many activities, programs, functional relationships, and working philosophes. Staff attitudes and behavioral insights are stressed, as is the theme of a sound worker-oriented service. In these days of readily generated litigious action and sharply codified legal constraints and mandates, managers must have the best, the most current of discerning advice. The text offers helpful milestones in the structuring of policy that is honest, unbiased, and supportive of the health of both the employees and the organization. (extracts from the preface). [American orientation].*

PART VI. EVALUATION OF PROCESSES

- 25. Diagnostic and spectral markers
- 26. Observer variability
- 27. Quality-of-care evaluations

PART VII. ADDITIONAL TOPICS

- 28. The range of normal
- 29. Randomized clinical trials
- 30. Other epidemiological topics

References
 Answers to exercises
 Subject index
 Author index

29
Authors: Fletcher R.H., Fletcher S.W. and Wagner E.H.
Title: Clinical Epidemiology - The Essentials. (2nd Edition)
Year: 1987
Publisher: Williams & Wilkins
Language: English *Length:* 223 p. *Cost:* pb\$ 14.00

Description: Although a rich array of writings about clinical epidemiology were available, they had not been drawn together, summarized, and simplified in a single book. The material is presented as simply as possible and pays particular attention to major landmarks in a rather cluttered landscape. Clinicians need to understand the basic principles of research in order to interpret what is found. The authors believe that clinical epidemiology is a basic science for clinicians. It is relied on when patient care begins, the evidence is reviewed, and decisions must be made. (excerpts from the preface).

TABLE OF CONTENTS

Preface to second edition
 Preface to first edition
 Acknowledgments

- 1. Introduction
- 2. Abnormality
- 3. Diagnosis
- 4. Frequency
- 5. Risk
- 6. Prognosis
- 7. Treatment
- 8. Prevention
- 9. Chance
- 10. Rare Disease
- 11. Cause
- 12. Summing up

Index

31
Authors: Friedman G.D.
Title: Primer of Epidemiology.
Year: 1987
Publisher: McGraw Hill Book Company
Language: English *Length:* 319 p. *Cost:* ?

Description: When the first edition was published in 1974, there were only a handful of epidemiology textbooks available. While this new edition has been expanded, and is somewhat more complicated than the previous editions, the author has tried to maintain this little book as one of the simplest and friendliest introductions to epidemiology. There is an increased emphasis on multivariate analysis, and some changes in terminology. (excerpts from the author's preface).

30
Authors: Fox J.P., Hall C.E. and Elveback L.R.
Title: Epidemiology: Man and Disease.
Year: 1970
Publisher: The MacMillan Company
Language: English *Length:* 329 p. *Cost:* ?

Description: This book is intended to introduce the reader in a systematic way to the entire scope of epidemiology (of both infectious and noninfectious disease). It relies heavily on the liberal use of specific disease problems to illustrate both principles and methods. The predominance of examples based on infectious diseases is in no way intended to diminish the importance of noninfectious disease epidemiology. The book is designed for a broad class of readers. For new students, there is a summary of important concepts and a glossary at the end of each chapter. The systematic coverage and relative abundance of examples, documented by key references, will be helpful to readers whose interest has already developed. (excerpts from the preface).

32
Authors: Glantz S.A.
Title: Primer of Biostatistics. (2nd Edition)
Year: 1981
Publisher: McGraw Hill Book Company
Language: English *Length:* 379 p. *Cost:* US\$ 44.95

Description: This book is a practical discussion of the major statistical concepts and methods used in clinical practice and in the reading of medical literature. No calculus is required, and very little algebra. It is suitable for fireside reading by medical students, physicians, or physiologists who feel the need for a better understanding of commonly encountered statistical procedures. (excerpts from reviews on the back cover).

TABLE OF CONTENTS

- Preface
- 1 Biostatistics and Clinical Practice
 - The Changing Medical Environment
 - What Do Statistical Procedures Tell You?
 - Why Not Depend on the Journals?
 - Why Has the Problem Persisted?
 - 2 How to Summarize Data
 - The Mean
 - Measures of Variability
 - The Normal Distribution
 - Percentiles
 - How to Make Estimates from a Limited Sample
 - How Good Are These Estimates?
 - Summary

33

Authors: Gianville de H, Schilling R.S.F. and Wood C.H.
Title: Occupational Health - A Manual for Health Workers in Developing Countries.
Year: 1983
Publisher: African Medical and Research Foundation
Language: English *Length:* 249 p. *Cost:* ?

Description: Much of the work of an occupational health service is the same as that done in hospitals, health centres, dispensaries, or in the community environment, but some of it is different. This manual concentrates on the differences. It makes no attempt to cover the basic knowledge and skills of medicine which all health workers need wherever they work. (excerpt from the preface).

TABLE OF CONTENTS

Preface

Acknowledgments

Principal contributors

1. Occupational health in developing countries
2. Treatment services
3. Routine medical examinations
4. Fitness for work after illness and injury
5. Employment of women and other vulnerable groups
6. Counselling and health education
7. The working environment
8. Personal protection
9. Sanitary, welfare and catering amenities, day nurseries and fire prevention
10. Organization, design, and equipment of an occupational health department
11. Health records
12. Occupational health risks
13. Accident prevention
14. Industrial law
15. Organization of a company
16. The cost of an occupational health service
17. Examples of different types of occupational health service

Appendix 1. The Factories (First-Aid) Order

Appendix 2. Examples of occupational diseases

Index

35

Authors: Goldberg Marcel
Title: L' épidémiologie sans peine
Year: 1985
Publisher: Editions Médicales Roland Bettex
Language: French *Length:* 150 p. *Cost:* ?

Description:

TABLE OF CONTENTS:

Préface

Avertissement

Epidé...quoi?

Les aventures du Dr E. Pidémio et de son amie Anna-Lise
 Le Dr E. Pidémio s'en va-t-en guerre...
 Fluctuat... nec mergitur
 Cause... vous avez dit cause? Vous ne prenez pas de risque!
 E. Pidémio n'a pas de méthode, mais il a des idées
 A la recherche des données perdues
 En quête d'enquêtes
 E. Pidémio retourne à l'école
 Les résultats d'une enquête (ou: si ce n'était que du vil bidon?)
 Rire relatif
 Des différentes significations d'une différence significative
 Attention! Un biais peut en cacher un autre
 A bout de souffle
 Bréviaire du lecteur exigeant

(Presque) toute l'épidémiologie en bref
 Chapitre I: Qu'est-ce que l'épidémiologie?
 Chapitre II: Epidémiologie descriptive
 Chapitre III: Epidémiologie à visée explicative (ou analytique, ou étiologique)
 Chapitre IV: La réalisation d'une enquête épidémiologique: principales étapes
 Chapitre V: En guise de conclusion: les biais en épidémiologie
 Chapitre VI: Quelques éléments de bibliographie
 Index

34

Authors: Gold R. and Ford Jones E.L.
Title: Epidemiology and Public Health: PreTest Self-Assessment and Review.
Year: 1985
Publisher: McGraw Hill Book Company
Language: English *Length:* 181 p. *Cost:* US\$ 13.95

Description: Fully revised for course work and for preparation for National Boards Part II, FLEX, and FMGEMS examinations, this self-assessment and review book features: * 500 questions carefully designed to parallel the format and level of difficulty of board exam questions, * concise, fully explained answers referenced to current texts and articles, * a thorough bibliography for further study. (copied from the back cover).

36

Authors: Goldsmith J.R. (Editor)
Title: Environmental Epidemiology: Epidemiological Investigation of Community Environmental Health Problems.
Year: 1986
Publisher: CRC Press, Inc.
Language: English *Length:* 257 p. *Cost:* ?

Description:

TABLE OF CONTENTS

Section I: Background

1. Communities: Their Study and Their Environmental Problems

Section II: Exemplary Studies

Part A

2. The Broad Street Pump

3. Cholera Outbreak in Jerusalem 1970 Revisited: The Evidence for Transmission by Wastewater Irrigated Vegetables

4. Cholera Today

Part B

5. The 20-Minute Disaster: Hydrogen Sulfide Spill at Poza Rica

6. Three Los Angeles Heat Waves

7. Planning, Analysis, and Preparation Can Save Lives

Part C

8. Respiratory Problems Among Kawasaki School Children

9. Critical Assessment of Epidemiologic Studies of Environmental Factors in Asthma

10. Asthma and Air Pollution in Los Angeles

11. Odor Pollution in Eureka, California

12. Impact of Air Pollution in the Community

Part D

13. Nitrate Levels in Drinking Water and Methemoglobin in Infants

14. Carbon Monoxide Exposures and Survival from Heart Attacks

15. Lead Exposures of Urban Children: A Handicap in School and Life?

16. Long Term Effects of Photochemical Air Pollutants: Community Studies in the Los Angeles Basin

17. Motor Vehicle Accidents: Michigan Cuts from Youthful Drunk Drivers

18. The Long View: Lessons from Experience

Part E

19. Reproductive Effects of DBCP: It Takes Two to Make a Baby

- 20. Reproductive Outcomes Associated with Occupational Exposures to Anesthetic Gases
- 21. Occupational Health as a Community Problem

Section III: Environmental epidemiological studies as a basis for health protection

- 22. Environmental Health Decisions: The Impact of Evidence
- 23. The Ecological Imperative: Science as a Protective System Against Unintended Effects of Technological Change
- 24. Historical Postscript

37

Authors: Guerrero R V, Gonzalez C L, and Medina E L
Title: Epidemiología
Year: 1981
Publisher: Fondo Educativo Interamericano
Language: Spanish *Length:* 220 p. *Cost:* ?

Description:

INDICE GENERAL

- 1. Antecedentes Historicos
- 2. Definicion y Usos de la Epidemiologia
- 3. Medicion de Epidemiologia
- 4. Indicadores Epidemiologicos
- 5. Causalidad en Medicina
- 6. Metodos y Estrategias de la Epidemiologia
- 7. La Descripcion Epidemiologica
- 8. Estudios de Casos y Controles o Retrospectivos
- 9. Estudios de Cohortes o Prospectivos
- 10. Ensayos Clinicos Controlados
- 11. Curva Normal. Importancia Clinica y Significacion Estadistica
- 12. Uso de Muestras en Epidemiologia
- 13. Usos de la Tabla de Vida en Medicina
- 14. Evaluacion de Pruebas. Diagnostico con Base en Probabilidades
- 15. Usos de la Epidemiologia en la Organizacion de la Atencion Medica

38

Authors: Guilbert J.J.
Title: Educational Handbook for Health Personnel. (WHO Offset Publication No. 35).
Year: 1987
Publisher: World Health Organization
Language: English *Length:* 360 p. *Cost:* Sw.Fr. 34.00

Description:

TABLE OF CONTENTS

- Chapter 1. Educational objectives
 - What is meant by educational objectives
 - Selection of goals
 - Types of educational objectives
 - Institutional objectives
 - Intermediate objectives
 - Specific objectives
 - Taxonomy of intellectual processes
- Chapter 2. Planning of teaching/learning activities
 - The purpose of teaching
 - A few words about learning
 - Teaching techniques and media
 - Curriculum planning
 - The concept of integration
 - A learner oriented curriculum with built-in relevance
 - Curriculum specification tables
 - What it is all about: a synthesis
- Chapter 3. Evaluation
 - What is evaluation
 - Role of taxonomies in evaluation
 - Formative and summative evaluation
 - Aims of evaluation
 - Methodology of evaluation
 - Attitude measurement
 - Evaluation by the students
 - Validity, reliability, objectivity and relevance
- Chapter 4. Tests and measurement techniques
 - Qualities of a test
 - Stages of assessment
 - Common defects of examinations
 - Types of written examinations
 - The programmed examination
 - Test construction specification tables
 - Relative and absolute criteria tests
 - How to calculate the minimum pass level
 - How to do an item analysis
- Chapter 5. How to organize a short educational workshop.

**INDEX/GLOSSARY
BIBLIOGRAPHY**

39

Authors: Hennekens C.H. and Buring J.E.; edited by Mayrent S.M.
Title: Epidemiology in Medicine.
Year: 1987
Publisher: Little, Brown and Company
Language: English *Length:* 383 p. *Cost:* US\$ 19.50

Description: This textbook discusses the methods of epidemiologic study design and analysis and has many timely clinical and public health examples. There are four sections covering: 1) a comprehensive overview of all the basic principals and methods, 2) the various types of study design including their particular strengths and limitations, 3) the analysis of epidemiologic data including the control of chance, bias and confounding, and 4) an example in the context of screening programmes. It bridges the gap between introductory and advanced texts by emphasizing the careful application of principals and methods. It stands on its own as a multipurpose text for students and professionals in medicine and public health. (excerpts from the back cover).

CONTENTS

- Foreword
- Preface
- Aknowledgements

40

Authors: Hirsch R.F. (Editor)
Title: Statistics.
Year: 1978
Publisher: The Franklin Institute Press
Language: English *Length:* 308 p. *Cost:* ?

Description: This book is based on papers presented at the 1977 Eastern Analytical Symposium in New York City (for chemists). It offers guidance in the application of modern techniques of experimental design and statistical analysis. It is not a cookbook of methods, but is intended to assist in selecting the right method for solving a problem, and to lead the reader to references containing more details pertinent to his particular application. (excerpts from the introduction).

I. BASIC CONCEPTS

- 1. Definition and Background
- 2. Design Strategies in Epidemiologic Research
- 3. Statistical Association and Cause-Effect Relationship
- 4. Measures of Disease Frequency and Association

II. TYPES OF EPIDEMIOLOGICAL STUDIES

- 5. Descriptive Studies
- 6. Case-Control Studies
- 7. Cohort Studies
- 8. Intervention Studies

III. DESCRIPTION AND ANALYSIS OF EPIDEMIOLOGIC DATA

- 9. Presentation and Summarization of Data
- 10. Analysis of Epidemiologic Studies:
Evaluating the Role of Chance
- 11. Analysis of Epidemiological Studies:
Evaluating the Role of Bias
- 12. Analysis of Epidemiological Studies:
Evaluating the Role of Confounding

IV. EPIDEMIOLOGY IN DISEASE CONTROL

- 13. Screening

APPENDIXES

- A. Standard Statistical Tables
- B. Selection of an Appropriate Test of Statistical Significance
- C. Answers to Study Questions

Index

41

Authors: Holland W.W. (Editor)
Title: Data Handling in Epidemiology.
Year: 1970
Publisher: Oxford University Press
Language: English *Length:* 207 p. *Cost:* ?

Description:

TABLE OF CONTENTS

Introduction
P. Armitage

PART I. ASKING THE QUESTION

- 1. Communicable Disease
D.L. Miller
- 2. Non-communicable Disease
Neil Kessel
- 3. Medical Care
John Pemberton

PART II. STUDY DESIGN

- 4. Principles of Study Design
W.W. Holland

PART III. COLLECTION OF DATA

- 5. Collection of Data from Established Sources
K. Uemura
- 6. Survey Techniques
W.E. Waters and P.C. Elwood

PART IV. RECORD LINKAGE

- 7. Uses of record linkage in epidemiology
M.A. Heasman
- 8. French Identifying and Linking Systems
Louis M.F. Massé

PART V. DATA PROCESSING

- 9. Data Processing for a Private Census
A.E. Bennett and H.S. Kasap
- 10. Computers in Epidemiology
F.J. Massey

PART VI. ANALYSIS

- 11. Models for Infectious Disease
H.V. Muhsam
- 12. Multivariate Analysis
A.E. Maxwell
- 13. Models of Survivorship
D. Kodlin
- 14. Models in Health Services Planning
Vicente Navarro and Roger D. Parker

PART VII. IMPLICATIONS

- 15. Implications of Findings for Health Policy
Lester Breslow

INDEX

42

Authors: Holland W.W., Ipsen J. and Kostrzewski J. (Editors)
Title: Measurement of Levels of Health.
Year: 1979
Publisher: WHO Regional Office for Europe &
Int'l Epidemiological Association
Language: English *Length:* 456 p. *Cost:* Sw.Fr. 50.00

Description: This book is intended to provide guidelines for health professionals wishing to measure health status in specified populations, for purposes of allocating resources, monitoring and planning health and health-related services, and initiating innovations in the development of such services, as well as reviewing existing services and programmes. The methods outlined will be operationally feasible in most countries although emphasis is slanted towards the European Region and the developed countries. (excerpts from the forward).

TABLE OF CONTENTS

Contributors
Foreword
Preface
Acknowledgements
Chapter 1 Synopsis

PART I. PURPOSES AND CONCEPTS

- Chapter 2 Strategies for development of health indices
Annex. Modelling and decision simulation applied to planning an information system for national oral health services
- Chapter 3 The interface of health and social services
- Chapter 4 Planning, allocation, and monitoring

PART II. MEASURES

- Chapter 5 The strategic approach
 - I. Introduction
 - II. Equitable allocation of resources
 - III. Health Service needs
 - VI. Distribution of resources and services
 - V. Priorities
- Chapter 6 The organizational of hierarchical approach
- Chapter 7 The service approach
 - I. Introduction
 - II. Maternity and infant services
 - III. Accidents
 - IV. Alcoholism
- Chapter 8 The natural history of disease approach
 - I. Introduction
 - II. Care and cure
 - III. Prevention of communicable disease
 - IV. Prevention of noncommunicable disease

PART III. APPLICATIONS

Introduction to applications
Examples
Conclusion
Index

43

Authors: Holland W.W. and Gilderdale S. (Editors)
Title: Epidemiology and Health.
Year: 1977
Publisher: Kimpton Medical Publications
Language: English *Length:* 221 p. *Cost:*

Description: There is a growing recognition of the important contribution that epidemiology and its methods can make to the planning and management of health services and to the improvement of health care in general, and various very different aspects of this subject are covered in this book. (from the Editorial Note). The nine-page introduction stresses the need to vastly expand the concept of health beyond that of curative and preventive medicine.

TABLE OF CONTENTS

List of Contributors
Editorial Note

Introduction
Kenneth W. Newell

1 A General View
Walter W. Holland

2 The Improvement of Health
Basil S. Hetzel and Tom S. Selwood

3 Health Care in Eastern Europe
Jan Kostrzewski

4 Cost and Quality
Andrew L. Creese

5 Community Medicine and the Health Team -
Experience in India
Rameshwar Sharma

6 Community Medicine and the Health Team -
Experience in Iran
M.A. Faghiih and F. Amini

7 Education and Training
W.O. Phoon

8 Planning and Research
John Wyn Owen

9 The Management Process
Derek Mowbray

10 Priorities and Planning
Donald O. Anderson

11 The Contribution of Epidemiology
Lester Breslow

Index

44

Authors: Holland W.W., Karhausen L. and Wainwright A.H.
Title: Health Care and Epidemiology.
Year: 1978
Publisher: Henry Kimpton Publishers
Language: English *Length:* 264 p. *Cost:*

Description: This book tries to define the methods which could and should be used at the interface between medical care policy makers and managers, and medical scientists. Many texts present epidemiology as a medical discipline, external to the natural history of diseases, which is concerned with rates, high risk groups and explanatory factors which could lead to preventive measures. It is just as concerned with studying and modifying the course of disease itself and this is why it plays a central role in development and evaluation of health care. This book concentrates on the evaluation of health care: concepts for evaluation of preventive, diagnostic, therapeutic, and rehabilitative care are presented. (excerpts from the introduction).

TABLE OF CONTENTS

Contributors
Introduction
Lucien Karhausen

Section 1 MEASUREMENT

1 Measurement in health care studies
Donald Reid and Walter W. Holland

2 Implications of measurement
Zbigniew Brezezinski

Section 2 HEALTH STATISTICS

3 Use of vital statistics
Johannes Ipsen

4 Health information systems
Maarten Hartgerink

Section 3 CASE-CONTROL STUDIES

5 Case-control studies
Claude Rumeau-Rouquette

6 The application of retrospective studies to
health care research
John Ashley

Section 4 PREVALENCE STUDIES

7 Prevalence studies
André Meheus

8 Prevalence studies of long-term illness
Robert J. van Zonneveld

Section 5 INCIDENCE STUDIES AND REGISTERS

9 Incidence studies
Alessandro Menotti

Introduction to Registers

10 Epidemiological parameters for the public health
evaluation of a chronic disease
Ole Horwitz

11 Registration in the study of human cancer
Johannes Clemmesen

12 Community registers of myocardial infarction as
an example of epidemiological register studies
Ulrich Keil
Conclusion to Registers

Section 6 EXPERIMENTAL STUDIES

13 Controlled studies
Rodolfo Saracci

14 Experimental studies
Jean Weddeil

Section 7 CAUSATION AND CONTROL OF DISEASE

15 Causation and control with special reference to
rubella
Michel F. Lechat

16 Causation and control with special reference to
cigarette smoking
Louis Massé and Geneviève Massé

Postscript
Leo A. Kaprio

Index

45

Authors: Hornby P., Ray, D.K., Shipp P.J. and Hall T.L.
Title: Guidelines for Health Manpower Planning - A Course Book.
Year: 1980
Publisher: World Health Organization
Language: English Length: 368 p. Cost: Sw.fr. 26.00

Description: In many countries, too little attention has been paid to health manpower planning, and sometimes, when plans have been developed, they have proved inadequate. The purpose of this book is to help countries to acquire a cadre of manpower planners by presenting a basic course for the training in this field of health service administrators and educators, whether they occupy positions at the national, provincial, or local level. It is expected that some of them will become teachers of manpower planning in their turn. These guidelines are expected also to contribute to the formulation of actual health manpower plans, as they provide a set of procedural steps that planners may wish to follow. Includes a 28 page annotated bibliography.

46

Authors: Ibrahim M.A.
Title: Epidemiology and Health Policy.
Year: 1985
Publisher: Aspen Systems Corporation
Language: English Length: 186 p. Cost: ?

Description:

TABLE OF CONTENTS

PART I. EPIDEMIOLOGIC FOUNDATION OF HEALTH SERVICES

1. EPIDEMIOLOGIC PERSPECTIVES

- The Epidemiologic Approach
- Limitations of Epidemiology
- Epidemiology Versus Other Disciplines
- Health Research Terms

2. CLASSIFICATIONS AND INDICES

- Classifications
- Health Indices

3. DATA AND COMMUNITY HEALTH NEEDS

- Selected Surveys
- Common Conditions
- The Magnitude of a Problem
- Census Tract Data
- Demands and Needs
- Surveillance and Monitoring

4. RULES OF EVIDENCE

- The Range of Epidemiologic Studies
- Biases
- Characteristics of the Association
- An Example

PART II. RESEARCH DESIGN AND ANALYSIS

5. TIME TRENDS, ECOLOGIC CORRELATION, AND MODELING

- Time Trends and Ecologic Analysis
- Time Trends and Modeling
- Clinical Course and Modeling

6. CASE-CONTROL, BEFORE-AFTER, AND COHORT STUDIES

- Case-Control Studies
- Before-After Studies
- Cohort Studies

7. RANDOMIZED CONTROLLED TRIALS

- Some Basic Principles of RCTs
- A New Design for Randomized Controlled Trials
- Some Issues in Health Service Research
- Description of Randomized Clinical Trials
- Case Examples

PART III. PREVENTIVE SERVICES

8. HEALTH PROMOTION AND DISEASE PREVENTION

- Changes in Leading Causes of Death
- Causes of Death by Age Groups
- Health Practices Among Americans
- Policy on Health Promotion and Disease Prevention
- The Lifetime Health-Monitoring Program
- Health Risk Appraisal
- Policy Despite Uncertainties About Cause and Effect
- Some Paradoxes

9. HEALTH SCREENING AND PERIODIC EXAMINATIONS

- Some Basic Principles
- Scientific Evidence for Efficacy and Effectiveness
- Case Examples

PART IV. PROCEDURES AND PERSONNEL

10. TECHNOLOGIES: CORONARY ARTERY BYPASS AND COMPUTED TOMOGRAPHY

- Coronary Artery Bypass (CAB)
- The Computed Tomography (CT) Scanner

11. THE HEALTH CARE PROFESSIONAL

- Process of Medical Care Studies
- Outcome of Care Studies
- The Future

PART V. HEALTH CARE FOR SPECIFIC CONDITIONS

12. CORONARY HEART DISEASE

- Primary Preventive Measures
- Emergency Medical Services
- Coronary Care Units
- Early Hospital Mobilization and Discharge
- Posthospital Care

13. HIGH BLOOD PRESSURE AND BLOOD CHOLESTEROL

- High Blood Pressure
- High Blood Cholesterol

PART VI. HEALTH CARE FOR SELECTED POPULATIONS

14. MOTHERS AND CHILDREN

- Epidemiologic Analysis of Existing Data
- Impact of Maternal Mortality Study Committees
- Home Care
- Specific Health Problems and Behaviors
- Regionalization of Perinatal Care

15. THE AGED

- Long-Term Care
- Measurement of Health State

47
 Authors: Institute for Medical Research (IMR)
 Title: Basic Manual in Biostatistics for IMR Research Workers.
 Year: 1981
 Publisher: Institute for Medical Research
 Language: English Length: 81 p. Cost: ?

Description:

TABLE OF CONTENTS

1. Basis of biostatistics for research workers in IMR
2. Preview
3. Definitions and description of statistics
4. Measurement of statistics
 - 4.1 Central tendency
 - 4.2 Dispersion or variation
5. Discrete distribution
 - 5.1 Binomial probability distribution
 - 5.2 Poisson distribution
6. Continuous distribution
 - 6.1 Normal distribution
 - 6.2 "t" distribution
 - 6.3 χ^2 distribution
7. Sampling
 - 7.1 Sampling distribution
 - 7.2 Confidence limit
 - 7.3 Sample size estimation
 - 7.4 Sample size for significance test
8. Estimation and hypothesis testing
 - 8.1 Hypothesis testing
 - 8.2 z and "t" test
9. Experimental design for clinical trials
 - 9.1 Randomized trial
 - 9.2 Factorial trial
 - 9.3 Sequential trial
10. Epidemiological inference
 - 10.1 Types of epidemiological study design and methods for inferences
 - 10.2 Diagnostic test
 - 10.3 Epidemiological models
11. Regression and correlation
 - 11.1 Linear relationship
 - 11.2 Regression coefficient
 - 11.3 Correlation coefficient
12. Use of computer in IMR research
 - 12.1 Computer
 - 12.2 Programming
 - 12.3 IMR computer configuration

49
 Authors: Jenicek M.
 Title: Introduction à l'Epidémiologie.
 Year: 1976
 Publisher: Maloine, S.A.
 Language: French Length: 388 p. Cost: ?

Description:

TABLE DES MATIERES

- Préface
- Chapitre 1. L'Homme et l'Environnement
 L'homme et l'environnement
 Relations entre l'homme et son environnement
 Individu et population en tant que sujet d'une étude
 Problèmes majeurs dans l'évolution de la situation sanitaire
 Définition et buts pratiques de l'épidémiologie moderne
- Chapitre 2. Mesure de l'état de santé de la population
 Définition de la santé et de la maladie
 Mesure de l'importance de la maladie dans la population
 Indices de santé de la population
 Mesure de la santé dentaire
 Mesures indirectes de l'état de santé de la population
 Tests d'adaptabilité
 Sources des informations les plus courantes sur la santé de la population
- Chapitre 3. Epidémiologie descriptive.
 Buts de l'épidémiologie descriptive
 Classification de variables et échelles de mesure
 Classification des phénomènes de masse selon leur concentration dans le temps et dans l'espace; épidémie-pandémie-endémie
 Notions de temps en épidémiologie
 Notions de lieu en épidémiologie
 Caractères de la population
- Chapitre 4. Epidémiologie analytique et expérimentale
 Analyse des données
 Objectifs de l'expérimentation en épidémiologie

48
 Authors: Jenicek M. and Cleroux R.
 Title: Epidémiologie: Principes, Techniques, Applications.
 Year: 1982
 Publisher: Maloine, S.A.
 Language: French Length: 451 p. Cost: ?

Description: *Le principe même de l'épidémiologie est le raisonnement objectif qui s'appuie sur des techniques médicales et paramédicales et dont les applications recouvrent le domaine classique des maladies infectieuses aussi bien que celui des "maladies de civilisation": maladies cardiovasculaires, cancer, traumatismes accidentels, maladies mentales. Pour répondre aux besoins de tous les lecteurs, les auteurs proposent trois niveaux de text indiqués en marge: fondamental (pour tous), intermédiaire (pour travailleurs en santé) et avancé (pour les chercheurs). Une attention toute spéciale est accordée à l'épidémiologie clinique, à la programmation sanitaire et aux aspects pratiques de la réalisation des études épidémiologiques.*

TABLE OF CONTENTS

- Ch. 1 Définition et buts de l'épidémiologie.
 - Ch. 2 Normalité et diagnostic chez l'individu.
Diagnostic clinique et enquêtes de dépistage.
 - Ch. 3 Mesure de la santé de la collectivité.
Indicateurs de santé.
 - Ch. 4 Profil sanitaire et enquêtes épidémiologiques.
Généralités.
 - Ch. 5 Réalisation et interprétation des études descriptives.
Portrait de la maladie dans la collectivité
 - Ch. 6 Comparabilité et représentativité des études descriptives.
 - Ch. 7 Raisonnement causal et méthodes analytiques par observation.
 - Ch. 8 Méthodes quantitatives en épidémiologie.
 - Ch. 9 Essais en clinique et en santé communautaire.
 - Ch. 10 Réalisation d'une étude épidémiologique.
 - Ch. 11 Epidémiologie générale des maladies infectieuses.
 - Ch. 12 Epidémiologie générale des maladies non infectieuses.
 - Ch. 13 Méthodes épidémiologiques générales de contrôle et d'éradication des maladies infectieuses et non infectieuses.
 - Ch. 14 Epidémiologie clinique. Applications à la pratique générale quotidienne et à la recherche clinique; diagnostic, thérapeutique, pronostic.
 - Ch. 15 Epidémiologie générale des maladies cardiovasculaires.
 - Ch. 16 Aspects épidémiologiques du cancer.
 - Ch. 17 Epidémiologie des lésions accidentelles.
 - Ch. 18 Aspects épidémiologiques des maladies mentales.
 - Ch. 19 Rôle de l'épidémiologie dans l'administration et la planification des services et des programmes de santé.
- Glossaire.
 Lexique anglais-français des termes utilisés en épidémiologie.
 Index.

50
 Authors: Jenicek M., Cléroux R.
 Title: Epidémiologie Clinique - Clinimétrie
 Year: 1985
 Publisher: Maloine, S.A.
 Language: French Length: 254 p. Cost: 200 FF

Description:

TABLE DES MATIERES

- Avant-propos
- Livres utiles en épidémiologie clinique
- Préface
- Chapitre 1 : Révolution du raisonnement clinique. Epidémiologie clinique
- Chapitre 2 : Evaluation du risque chez un individu et dans un groupe
- Chapitre 3 : De l'observation clinique au diagnostic
- Chapitre 4 : Traitement ou intervention clinique
- Chapitre 5 : Pronostic
- Chapitre 6 : Prise de décision en médecine clinique
- Conclusion
- Glossaire
- Index alphabétique

Types d'expériences épidémiologiques sur le terrain
 Modèles en épidémiologie expérimentale
 Chapitre 5. La collecte des données en épidémiologie
 Méthode de base et recherche active de cas
 Dépistage de maladies
 Zones d'observation épidémiologique
 Raccordement de données en épidémiologie; symnèse épidémiologique
 Chapitre 6. Epidémiologie générale des maladies contagieuses
 Définition et déterminantes des maladies contagieuses
 Infections exogènes
 Infections endogènes
 Situation actuelle et tendance séculaire des maladies contagieuses
 Chapitre 7. Epidémiologie générale des maladies non contagieuses et/ou chroniques
 Définition et importance actuelle
 Caractéristiques particulières des maladies non contagieuses et/ou chroniques
 Méthodes d'étude épidémiologique
 Tendance séculaire et perspectives
 Chapitre 8. Méthodes épidémiologiques de contrôle et d'éradication des maladies.
 Contrôle, éradication et surveillance
 Comment procéder dans le cas d'une urgence épidémiologique
 Remarques particulières sur l'éradication
 Période interépidémique et surveillance épidémiologique
 Contrôle des maladies nosocomiales
 Contrôle et éradication des maladies non infectieuses
 Contrôle épidémiologique des désastres
 Chapitre 9. Influence des facteurs génétiques et l'environnement sur la santé
 Facteurs de l'environnement
 Facteurs génétiques et le problème de leur séparation des facteurs de l'environnement dans les études épidémiologiques
 Chapitre 10. Orientation et avenir de l'épidémiologie
 Micro-épidémiologie en clinique de tous les jours
 Epidémiologie clinique proprement dite
 Rôle de l'épidémiologie dans l'administration et la planification des services et programmes de santé
 Avenir de l'épidémiologie; application extensive et épidémiologie de la santé optimale
 Conclusions

51

Authors: Jenicek M.
 Title: Méta-Analyse en Médecine. Evaluation et synthèse de l'information clinique et épidémiologique.
 Year: 1987
 Publisher: Maloine, S.A.
 Language: French Length: 152 p. Cost: 115 FF

Description: L'information médicale provient de trois sources principales: * L'expérience personnelle et les apprentissages, * La recherche effectuée sur des groupes de malades, dans un but déterminé, * La synthèse des recherches ponctuelles: c'est le domaine de la méta-analyse médicale. Comment savoir si un article médical est bon ou mauvais? Comment déterminer si une communication à un congrès vaut d'être retenue? Comment choisir l'information clinique, thérapeutique ou préventive nécessaire à la prise de décision médicale et comment l'utiliser? Comment évaluer les données, en vue de les appliquer au niveau des politiques sanitaires? Comment faire la part des choses lorsque des études différentes portant sur un même sujet rapportent des résultats contradictoires?

TABLE DES MATIERES

Avant-propos. Pourquoi et pour qui cet ouvrage?

Chapitre 1. Acquisition de l'information et des faits en médecine
 * Source de données en médecine
 * Diversité des motifs de recherche en santé et hétérogénéité des informations
 * Classification de l'analyse des données de recherche
 * Situation présente de l'information en médecine et ses implications pratiques

Chapitre 2. Evaluation d'une étude originale ponctuelle, d'un article médical, d'un mémoire original
 * Objectifs et structure du chapitre
 * Eléments de base d'une étude originale
 * Critères de qualité d'une étude d'une méthode de diagnostic
 * Critères de qualité d'une étude descriptive
 * Critères de qualité d'une étude de relation causale
 * Critères généraux d'acceptabilité d'une information médicale sous forme d'article, ou de mémoire original

Chapitre 3. Synthèse et intégration de l'information médicale
 * Historique, définitions, classification
 * Revues narratives
 * Analyse par vote et par consensus
 * Analyse secondaire par réplique ou analyse réitérative
 * Méta-analyse qualitative

52

Authors: Kahn H.A.
 Title: An Introduction to Epidemiologic Methods.
 Year: 1983
 Publisher: Oxford University Press
 Language: English Length: 166 p. (PB also) Cost: US\$ 20.45

Description: This concise and versatile text is distinctive among available "methods" books because it is designed for the non-statistician. Readily accessible to those with only limited biostatistical training, it presents both the details necessary for analyzing epidemiologic data and the insights essential for avoiding a "black box" approach. Kahn has emphasized the equivalence of alternative methods, particularly when substantial data sets are being analyzed. The volume can serve as a bridge between elementary and more advanced courses or as a convenient handbook for professionals. It is an ideal companion to the 2nd edition of Lilienfeld's *Foundation of Epidemiology*, 1980. (copied from the back cover).

TABLE OF CONTENTS

1. Review of selected elementary statistics
2. Random sampling
3. Relative risk and odds ratio
4. Attributable risk
5. Adjustment of data without use of multivariate models
6. Adjustment using multiple linear regression and multiple logistic functions
7. Longitudinal studies: life tables
8. Longitudinal studies: person-years

- * Méta-analyse quantitative
- * Problèmes particuliers de la méta-analyse dans le domaine des sciences de la santé
- * Mosaïque de l'information médicale
- * Conclusions. Portée, limitations et perspectives de la méta-analyse en médecine

Annexes

53
 Authors: Kahn H.A. and Sempos C.T.
 Title: Statistical Methods in Epidemiology.
 Year: 1989
 Publisher: Oxford University Press
 Language: English Length: 292 p. Cost: US\$ 26.95

Description: This book is an expanded version of H. Kahn's widely used text, "An Introduction to Epidemiologic Methods" (Oxford, 1983). It provides clear insight into the basic statistical tools used in epidemiology and is written so that those without advanced statistical training can comprehend the ideas underlying the analytical techniques. The extent to which different methods yield similar results is emphasized. This edition has a new chapter on "Comparison of Numerical Results for Various Methods of Adjustment", and also one on "The Primacy of Data Collection". New topics include the Kaplan-Meier product-limit method, and the Cox proportional hazards model for the analysis of time-related outcomes. The text is updated throughout. (from back cover).

54
 Authors: Karvonen M. and Mikheev M.I. (Editors)
 Title: Epidemiology of occupational health.
 Year: 1986
 Publisher: World Health Organization
 Language: English Length: 392 p. Cost: Sw.Fr. 48.00

Description: A collection of articles focused on the ways that epidemiological methods can be used to improve knowledge of the health hazards associated with different occupations or risks at the workplace. The objective is to point out any special problems that must be considered when applying established epidemiological methods to the field of occupational health. Specific applications covered in the book include the identification of occupational health risks, the evaluation of long-term effects, the selection of reliable sources of data, and the use of screening in the assessment of risks. Other chapters discuss methods and procedures in descriptive epidemiology, cross-sectional studies, cohort studies, case-control studies, and studies of combined effects.

TABLE OF CONTENTS

1. Epidemiology in the context of occupational health.
M. Karvonen
2. Nature and health effects of occupational factors.
N.F. Izmerov, J.I. Kundiev
3. Work, health and disease.
G. Kazantzis, J.C. McDonald
4. Evaluation of the long-term effects of harmful occupational factors.
M.I. Mikheev
5. Sources of data
R.S.F. Schilling
6. Screening in the assessment of health risks.
T. Popov
7. Descriptive epidemiology
J. Indulski
8. Cross-sectional studies.
H. Thiele, G. Enderlein
9. The cohort study.
W. Halperin et al.
10. Case-control studies, with a note on proportional mortality evaluation
O. Alexson
11. Study of combined effects.
J.I. Kundiev, A.O. Navakatiyan
12. Assessment of occupational stress
R. Kalimo
13. Statistical analysis of epidemiological data: an overview of some basic considerations
M. Nurminen
14. Validity aspects of epidemiological studies.
S. Hernberg
15. Experimental epidemiology.
P. Lazar
16. Accident epidemiology.
I. Saari
17. Uses of epidemiology in occupational health.
S. Hernberg
18. Reappraisal of an epidemiological study.
M. Nurminen

55
 Authors: Kelsey J.L., Thompson W.D. and Evans A.S.
 Title: Methods in Observational Epidemiology.
 Year: 1986
 Publisher: Oxford University Press
 Language: English Length: 366 p. Cost: US\$ 32.20

Description: This book provides a comprehensive description of the design, conduct, analysis and interpretation of epidemiologic studies of both noninfectious and infectious disease. It focuses on the use of epidemiologic methods to learn about disease causation, and stresses the techniques useful to those actually carrying out epidemiologic studies. The introductory chapters cover the scope of epidemiology, epidemiologic concepts, and sources of data. Then the commonly used types of study design are described, with particular emphasis on prospective cohort studies, retrospective cohort studies, case-control studies, and epidemic investigation. (excerpts from the front fly leaf).

56
 Authors: Kleinbaum D.G., Kupper L.L. and Morgenstern H.
 Title: Epidemiologic Research - Principles and Quantitative Methods.
 Year: 1982
 Publisher: Van Nostrand Reinhold Company, Inc.
 Language: English Length: 529 p. Cost: US\$ 50.00

Description: This book covers the principles and methods of planning, analysis and interpretation of epidemiologic research studies. It supplies the applied researcher with the most up-to-date methodological thought and practice. Specifically, the book focuses on quantitative (including statistical) issues, and on the questions of study design, measurement and validity. It emphasizes practical techniques, procedures and strategies. Theory, including mathematical modeling, is supplemented by numerous examples, exercises and applications. Full solutions to all exercises are given in a separate solutions manual. (excerpts from the front fly leaf).

TABLE OF CONTENTS

1. Introduction
2. Biologic and statistical concepts
3. Sources of routinely collected data on disease occurrence
4. Prospective cohort studies I: planning and execution
5. Prospective cohort studies II: further design considerations and analysis
6. Retrospective cohort studies
7. Case-control studies
8. Cross-sectional and other types of studies
9. Epidemic investigation
10. Methods of sampling and estimation of sample size
11. Measurement error
12. Measurement I: questionnaires
13. Measurement II: other types of measurement

57

Authors: Kleinbaum D.G., Kupper L.L. and Morgenstern H.
Title: Epidemiologic Research: Principles & Quantitative Methods.
Year: 1982
Publisher: Lifetime Learning Publications
Language: English *Length:* ? *Cost:* ?

Description:

This book is identical to that published by Van Nostrand Reinhold Co.

TABLE OF CONTENTS

1. Key issues in epidemiologic research: an overview
- PART I. OBJECTIVES AND METHODS OF EPIDEMIOLOGIC RESEARCH**
2. Fundamentals of epidemiologic research
 3. Types of epidemiologic research
 4. Design options in observational studies
 5. Typology of observational study designs
 6. Measures of disease frequency: incidence
 7. Other measures of disease frequency
 8. Measures of association
 9. Measures of potential impact and summary of the measures
- PART II. VALIDITY OF EPIDEMIOLOGIC RESEARCH**
10. Validity: general considerations
 11. Selection bias
 12. Confounding
 14. Confounding involving several risk factors
- PART III. PRINCIPLES AND PROCEDURES OF EPIDEMIOLOGIC ANALYSIS**
15. Statistical inferences about effect measures: simple analysis
 16. Overview of options for control of extraneous factors
 17. Stratified analysis
 18. Matching in epidemiologic studies
 19. Interaction, effect modification, and synergism
 20. Modeling: theoretical considerations
 21. Modeling: analysis strategy
 22. Applications of modeling with no interaction
 23. Applications of logistic regression with interaction, using unconditional ML estimation
 24. Applications of modeling: conditional likelihood estimation

Appendix A: Answers to selected exercises

Appendix B: Statistical tables

58

Authors: Knox E.G. (Editor)
Title: Epidemiology in Health Care Planning.
Year: 1979
Publisher: Oxford University Press
Language: English *Length:* 198 p. *Cost:* £ 4.00

Description: The material for this text was contributed by a team of 27 authors from 15 countries. The main objectives were to show administrators the potential of the scientific method of epidemiology in health care planning; and to show epidemiologists which modifications of approach, technique and working conditions are necessary if they are to contribute effectively. This book should be useful to students, clinicians, politicians and community physicians. Throughout the book, general principals are balanced by concrete examples taken from a range of internationally chosen social, political and economic circumstances. (excerpts from the back cover).

TABLE OF CONTENTS

- PART I. HEALTH CARE PLANNING**
1. Social choice
 2. Planning systems
 3. The planning process
 4. Administrative contexts, structures, and processes
 5. Applications to health and to health care services
 6. Knowledge, skills, and style
- PART II. HEALTH CARE INFORMATION**
7. Information and information systems
 8. The uses of information in health care planning
 9. Sources of information
 10. Managing information systems
- PART III. THE SCOPE AND APPLICATIONS OF EPIDEMIOLOGY**
11. The methods of epidemiology
 12. Epidemiological approaches to planning
 13. Misuses, mistakes, and misunderstandings
- PART IV. WORKING AND TRAINING RELATIONSHIPS OF EPIDEMIOLOGISTS**
14. Role and environment
 15. Professional interactions
 16. Differentiation of functions
 17. Training relationships
 18. Implementations
 19. Conclusions

References
Index

59
Authors: Kuzma J W
Title: Basic Statistics for the Health Sciences.
Year: 1984
Publisher: Mayfield Publishing Company
Language: English Length: 269 p. Cost: ?

Description:

TABLE OF CONTENTS

- Preface
- Chapter 1. Statistics and How they are Used
- Chapter 2. Populations and Samples
- Chapter 3. Organizing and Displaying Data
- Chapter 4. Summarizing Data
- Chapter 5. Probability
- Chapter 6. The Normal Distribution
- Chapter 7. Sampling Distribution of Means
- Chapter 8. Estimation of Population Means
- Chapter 9. Test of Significance
- Chapter 10. Analysis of Variance
- Chapter 11. Inferences Regarding Proportions
- Chapter 12. The Chi-Square Test
- Chapter 13. Correlation and Linear Regression
- Chapter 14. Nonparametric Methods
- Chapter 15. Vital Statistics and Demographic Methods
- Chapter 16. Life Tables
- Chapter 17. The Health Survey and the Research Report
- Chapter 18. Computers: an Introduction

- Appendix A: Binomial Probability Table
- Appendix B: Percentiles of the F Distribution

Bibliography
Answers to Selected Exercises
Index

61
Authors: Last J.M. (editor)
Title: A Dictionary of Epidemiology.
Year: 1988
Publisher: Oxford University Press
Language: English Length: 114 p. Cost: ?

Description: All the indications are that this book is very widely used, particularly by people beginning the study of epidemiology.

NO TABLE OF CONTENTS

63
Authors: Leaverton P E (editor)
Title: Environmental Epidemiology
Year: 1982
Publisher: Praeger
Language: English Length: 165 p. Cost: ?

Description:

TABLE OF CONTENTS:

- Foreword
- Preface
- List of Participants, Yves Biraud Seminars on Environmental Epidemiology, 1979, 1980, 1981

PART I. ENVIRONMENTAL EPIDEMIOLOGY: GENERAL TOPICS

- 1. Cancer Mortality and Agricultural Activities: An Association with Cotton Production and Large Farms

60
Authors: LaDou J. (Editor)
Title: Occupational Medicine.
Year: 1990
Publisher: Appleton & Lange
Language: English Length: 594 p. Cost: ?

Description: This book provides a complete guide to common occupational injuries and illnesses, their diagnosis and treatment, and prevention and remedial measures in the workplace. Its broad coverage and emphasis on fundamental concepts makes it an ideal text for students and residents, while health care professionals will find its clinical information useful in understanding and dealing with the complexities of occupational medicine. (excerpts from the back cover)

62
Authors: Last J.M.
Title: Public Health and Human Ecology
Year: 1987
Publisher: Appleton & Lange
Language: English Length: 391 p. Cost: ?

Description: This book is intended for medical and other health professional students. The author has briefly described the principal public health problems of our time, with enough historical background and ecological perspective to explain the present situation, and to suggest how the future might unfold. This book is not a study guide to help pass examinations, although there are enough facts to satisfy anyone who uses it for that purpose.

TABLE OF CONTENTS

Preface
Acknowledgments

- 1. The Scope, Goals, and Methods of Public Health
- 2. Health Information and Epidemiology
- 3. Communicable Diseases
- 4. Environmental Health
- 5. Food and Nutrition
- 6. Social and Behavioral Determinants of Health
- 7. Control of Noncommunicable Conditions
- 8. Organization of Public Health Services
- 9. Hazards of Health Care
- 10. World Health
- 11. Ethical Issues in Public Health
- 12. The Future of Health and Health Services

Epilogue
Index

64
Authors: Lee J.A.
Title: The Environment, Public Health, and Human Ecology -- Considerations for Economic Development.
Year: 1985
Publisher: The John Hopkins University Press for The World Bank
Language: Length: 288 p. Cost: US\$ 14.95

Description: Development projects too often bring with them unintended consequences - air and water pollution, destruction of fish and wildlife habitats, soil erosion, and the spread of diseases to previously unexposed populations. Yet many of these threats to the environment and public health can be averted if steps are taken early in the planning and design stages of projects. Since 1971, the World Bank has used environmental criteria and guidelines in project planning and implementation. The objective is to maintain natural and human resources, both for their own sake and because they are essential for long-term economic growth. This book systematically reviews the ecological and health problems that can arise in various sectors.

2. Comparison of Health and Environmental Statistics between Industrialized Regions of the World
3. Epidemiological Surveillance of the Health Effects of Environmental Hazards
4. Selected International Trends in Mortality: 1950-54 to 1970-74
5. Using Cancer Registries for Environmental Research

PART II. ENVIRONMENTAL HEALTH SENTINELS

6. Children as a Sentinel for Respiratory Disease in the U.K.
7. Diseases Among Animals as Sentinels of Environmental Exposure
8. Environmental Health Sentinels - Approaches to Detection of Long Term Health Effects
9. Environmental Health Sentinels Related to Cardiovascular Diseases
10. Environmental and Occupational Sentinels for Cardiovascular Diseases
11. Health Sentinels, Early Warning Systems, and Related Activities in the EEC
12. The Use of National and State Data Systems for Occupational Health Surveillance

PART III. SENTINEL PRACTICES: POTENTIAL FOR ENVIRONMENTAL HEALTH MONITORING

13. A Morbidity Recording System for Primary Health Care
14. A North American Sentinel Practice System: Progress, Problems, and Potential
15. The Sentinel Practices System in the Netherlands
16. Training in Epidemiology for Occupational Health Physicians

Index

65

Authors: Legator M.S., Harper B.L. and Scott M.J.
Title: **The Health Detective's Handbook. A Guide to the Investigation of Environmental Health Hazards by Nonprofessionals.**
Year: 1985
Publisher: Johns Hopkins University Press
Language: English *Length:* 256 p. *Cost:* US\$ 11.40

Description: This handbook is designed to assist citizens in forming a community group and investigating their potential environmental health problems. The key to solving pollution problems in communities is strong neighborhood organization. The first job is to conduct a detailed community survey to determine how many people are affected and how (a detailed sample questionnaire is included in the book). The next step is to tabulate and present the information, and the third is to push (and push and push) until the problem is solved. It won't be easy; can it be done? At Love Canal, the so called amateurs, the homeowners, did a far better job of evaluating the problem than did the professionals of the NY Health Dept. (from back cover).

TABLE OF CONTENTS

Introduction, Marvin S. Legator, Barbara L. Harper

PART 1. Background Information

1. You Can Do It Too: Identification of Health Hazards by Nonprofessionals
Marvin S. Legator
2. Do You Suspect a Problem? Known Exposures, Known Effects
Barbara L. Harper
3. You Can't Do It Alone: Community Organization
Kathleen Tiernan, Barbara L. Harper, Alice Shabecoff
4. What You Need to Know before You Start: Introduction to Experimental Design
Michael J. Scott
5. What Information Do You Need? Questionnaire Design, Administration, and Limitations
Barbara L. Harper, Mary C. Lowery

PART 2. The First Phase: Practical Guidelines for a General Health Survey

6. How to Get the Information: The Questionnaire, Question Discussion, and Tabulation
Barbara L. Harper, Mary C. Lowery, Michael J. Scott, Paul Mills
7. Lots of Information--What to Do with It: Statistics for Nonstatisticians
Michael J. Scott, Barbara L. Harper

PART 3. The Second Phase: Assistance, Causality, and Legal Implications

8. Where Do You Go from Here? Assistance from State and Federal Agencies, Confirmation of the Problem, and Analytical Epidemiology
Ellen K. Silbergeld
9. What Kind of Evidence Do You Need? Legal Implications of Acute and Chronic Effects
William E. Townsley

66

Authors: Levine S and Lilienfeld A.M. (editors)
Title: **Epidemiology and Health Policy**
Year: 1987
Publisher: Taviskock Publications
Language: Spanish *Length:* 296 p. *Cost:* ?

Description:

TABLE OF CONTENTS

- List of Contributors
- Acknowledgments
- Preface

Introduction

1. Child Health
2. Nutrition and Health Policy
3. Epidemiology and Health Policy: Coronary Heart Disease
4. Cancer epidemiology and Health Policy
5. Epidemiology in Occupational Health Policy
6. Injuries
7. Infectious Diseases
8. Psychiatric Epidemiology and Mental Health Policy
9. Epidemiology and Alcohol Policy

- Name index
- Subject index

10. Resource Guide

Earon S. Davis, Valerie A. Wilk

Appendix: Rates of Cancer and Birth Defects
References Cited in Text and Additional Suggested Reading
List of Contributors
Index

67

Authors: Levy B.S. and Wegman D.H. (Editors)
Title: Occupational Health - Recognizing and Preventing Work-Related Disease (2nd edition).
Year: 1988
Publisher: Little, Brown and Co.
Language: English *Length:* 640 p. *Cost:* ?

Description: Decisions in occupational health are ruled by complex medical, political, social and economic issues. By taking a multidisciplinary approach to a complex speciality, this introductory textbook clarifies often conflicting interests, perspectives, assumptions and approaches. Comprehensive, authoritative, and practical it is a trusted guide to information on recognizing and preventing work-related disease and injury. Drawings, photographs, chapter bibliographies, tables, and appendices enhance the text.

68

Authors: Lilienfeld A.M. and Lilienfeld D.E.
Title: Foundations of Epidemiology. (2nd edition)
Year: 1980
Publisher: Oxford University Press
Language: English *Length:* 375 p. *Cost:* US\$ 18.20

Description: "Among the strengths of this book are an excellent approach to the history of epidemiology, a wealth of clear examples from classical and recent studies, and a unified approach to the epidemiology both of infectious and of noninfectious diseases....readable, interesting, and suitable for beginning students." (comment by *The New England Journal of Medicine*).

"An excellent text for the understanding, utilization and interpretation of epidemiological efforts." (comment by the *Journal of Occupational Medicine*).

TABLE OF CONTENTS

1. Laying the foundations: the epidemiologic approach to disease
 - A. General purposes of epidemiologic studies
 - B. Content of epidemiologic activities
 - C. The sequence of epidemiologic reasoning
 - D. An example of the epidemiologic approach
 2. Threads of epidemiologic history
 - A. The environment
 - B. The epidemiologic study
 - C. The epidemiologic fabric
 3. Selected epidemiologic concepts of disease
 - A. Agent, host, and environment
 - B. Classification of human infections by mode of transmission
 - C. The incubation period
 - D. Spectrum of disease
 - E. Herd immunity
 4. Mortality statistics
 - A. Introduction
 - B. Classification of cause of death
 - C. Measures of mortality
 5. Epidemiologic studies of mortality
 - A. Distribution of mortality in populations
 - B. Limitations of official mortality statistics
 - C. Studies of autopsy series
 6. Morbidity statistics
 - A. Sources
 - B. Morbidity surveys
 - C. Measurement of morbidity
 - D. Morbidity surveys-some issues and problems
 - E. Record linkage
 7. Epidemiologic studies of morbidity
 - A. Time
 - B. Place
 - C. Time and space clusters
 - D. Persons
 8. Observational studies:
 - I. Retrospective and cross-sectional studies
 - A. The epidemiologic study
 - B. Retrospective and cross-sectional studies
 9. Observational studies: Prospective studies
 - A. The prospective approach
 - B. Prospective vs. retrospective studies
 10. Experimental epidemiology: I. Clinical trials
 - A. The experimental method
 - B. The clinical trial
 - C. Ethical considerations
 11. Experimental epidemiology: II. Community trials
 - A. Experimental epidemics
 - B. Human community trials
 12. The derivation of biological inferences from epidemiologic studies
 - A. Hypotheses based on statistical relationships
 - B. Methods of distinguishing between hypotheses
 - C. General comment
- Appendix 1. Selected statistical procedures
 - A. Sampling of areas and groups
 - B. Sampling variability
 - C. Tests of hypotheses for proportions
 - D. Relative and attributable risks: derivation, tests of significance, variance, and confidence limits
 - E. Controlling extraneous factors
 - F. Age-adjusted mortality rates: variance and standard errors
- Appendix 2. Theoretical epidemiology
 - A. Epidemic theory
 - B. Age-specific prevalence of certain serological and skin tests
 - C. Age-specific incidence curve of cancer in man
- Author index
Subject index

69

Authors: Lilienfeld A.M. and Lilienfeld D.E.
Title: Fundamentos de Epidemiologia
Year: 1983
Publisher: Fondo Educativo Interamericano
Language: Spanish *Length:* *Cost:* ?

Description: See description in English version.

TABLE OF CONTENTS

See English version

70

Authors: Lipkin M. Jr and Lybrand W.A.
Title: Population-based Medicine.
Year: 1982
Publisher: Praeger Publishers
Language: English *Length:* *Cost:* ?

Description:

TABLE OF CONTENTS

Foreword, Richard W. Lyman, Frederick C. Robbins
Introduction, Mack Lipkin, Jr., William A. Lybrand

I. HEALTH OF POPULATIONS

1. Measurement and Management in Medicine and Health Services: Training Needs and Opportunities.
John R. Evans
2. Population-Based Medicine: The Need for Specialists.
John Brotherston
3. Population-Based Medicine: Integration of Health Services in Yugoslavia.
Zelimir Jaksic

II. EPIDEMIOLOGY AND EVALUATION OF HEALTH SERVICES

4. Epidemiology and Evaluation of Health Services: An International Perspective
Peter Tugwell
5. Collaboration between Epidemiologists and Clinicians
Paul D. Stolley
6. Adapting Health Solutions to Developing Countries
Oswaldo Luiz Ramos

III. NUMERACY IN MEDICINE

7. Numeracy in Medicine
Roy M. Acheson
8. How Important is Numeracy?
Carol Buck
9. Evaluation as a Cornerstone of Improved Health
Ben O. Osuntokun

IV. HEALTH CARE INSTITUTIONS: EDUCATION, TRAINING, AND ORGANIZATION

10. Managerial Training for Private and Public Health Care Enterprises in Latin America
Humberto de Moraes Novaes
11. Education for Management of Health Services at U.S. Universities
J. Thomas Grayston
12. Education for Hierarchies of Needs and Skills
A.K. Nagpal
13. Medical Schools, Hospitals, and Health Departments in Colombia
Rodrigo Guerrero
14. Regionalization and a Hierarchy of Services in Thailand
Charas Suwanwela
15. A Modest Educational Proposal
Su De-Long
16. Health Science Centers, Business Schools, and Hospital Complexes
Thomas W. Langfitt
17. The Benign Neglect of Health Services Management in Western Europe
Jan E. Blanpain
18. Regional Health Organization in Great Britain
E. Rosemary Rue

V. POPULATION-BASED MEDICINE: PERSPECTIVES AND PROBLEMS

19. Population-Based Medicine: Perspectives and Problems
Mack Lipkin, Jr.
20. A Perspective on Population-Based Medicine with Special Reference to Priorities in Developing Countries
David A. Hamburg
21. Recommendations for the Future
John R. Evans

71

Authors: Lockerbie L. and Lutz W.
Title: Questionnaire Design. (Nr 4 in the series: Community Health Surveys: A Practical Guide for Health Workers.)
Year: 1986
Publisher: International Epidemiological Association and WHO
Language: English *Length:* 121 p. *Cost:* ?

Description: The objectives of all surveys is to collect information and the instruments of collection is the questionnaire; the value and usefulness of the survey results depend on its successful design. A simple, step-wise analysis of the design stages, in conjunction with practical examples, makes clear how a well designed questionnaire can be developed. (copied from the back cover).

TABLE OF CONTENTS

Summary of the basic principles of questionnaire design
Nearly all interview survey questionnaires consist of four basic components (parts):

72

Authors: Lowe C.R. and Kostrzewski J. (Editors)
Title: Epidemiology - A Guide to Teaching Methods.
Year: 1973
Publisher: Churchill Livingstone, Inc.
Language: English, Fre, Spa *Length:* 266 p. *Cost:* £ 3.00

Description: This guide is designed to help teachers of epidemiology; it is not a textbook. It has been written primarily for those who teach medical undergraduates and graduates, but it may also be of interest to those who help to train non-medical personnel, such as statisticians, sociologists, nutritionists, public health nurses and sanitary engineers. It provides a reasonably comprehensive description, with practical examples, of the teaching methods used by teachers from many countries, with very different health problems. The emphasis is on practical methods, and the many examples of teaching programmes, exercises, project work and examination questions, which are given in the annexes are all in use. (excerpts from the preface).

1. Guidelines on the introduction to, and the ending of, the survey interview.
2. A section on the identification of the study unit and its location.
3. The main body of the questionnaire, which may subdivide into separate sections for each topic studied.
4. Interviewer guidelines, usually dispersed (spread) throughout the questionnaire.

The following points need to be stressed for the questionnaire as a whole, as well as for the separate sub-sections.

1. Check on the use of open and closed questions.
2. Check on any ambiguity of questions and words, on clarity and simplicity.
3. Check on the logical order of sections and of the questions within sections.
4. Check whether or not, for the type of respondent the survey will canvass (meet), the questions are reasonable in terms of:
 - (i) the knowledge required.
 - (ii) the reliance on memory and recall.
5. Check on lay-out and coding.
6. Ensure that all questions essential to meet the aims of the study are being asked, and that none are being omitted, especially all the necessary identification data.

73

Authors: Lowe C.R. and Lwanga S.K.
Title: Health Statistics - A manual for teachers of medical students.

Year: 1978
Publisher: Oxford University Press
Language: English *Length:* 140 p. *Cost:* £ 3.50

Description: The aim of this book is to make the concepts, principles, methods, and application of epidemiological and statistical thinking more readily understandable and useful to those who organize, administer, and provide health services. This manual represents the views of experienced teachers from many different countries and indicates how to change students attitudes and help them to realize how relevant statistics will be in many aspects of their medical career. (excerpts from the back cover).

TABLE OF CONTENTS

List of contributors
 Introduction
 Statistics in the biological and medical sciences
 PART I. EDUCATIONAL PRINCIPLES
 1. Designing an educational programme
 2. Determining students' learning needs
 3. Developing learning objectives
 4. Evaluation of the learning process
 PART II. STATISTICS IN THE MEDICAL UNDERGRADUATE CURRICULUM
 5. Statistics in medical practice
 6. The statistical needs of medical students
 7. Learning objectives for medical students
 8. An educational programme in statistics
 9. Choice of educational methods
 PART III. APPENDICES
 A. Examples of educational programmes in statistics from various medical schools
 B. Examples of educational methods
 C. Examples of the presentation of specific topics
 D. Examples of methods of measuring students' learning
 E. Suggestions for further reading
 Index

75

Authors: Lowe C.R. et Kostrzewski J.
Title: *Epidémiologie: Un Guide de Méthodes d'Enseignement.*
Year: 1973

Publisher: International Epidemiological Association and WHO
Language: French, Eng, Spa *Length:* 238 p. *Cost:* ?

Description: (see the English version).

TABLE DES MATIERES (Aussi disponible en anglais et espagnol)

1. Introduction
2. Planification d'un programme de formation
3. Formation au cours des études universitaires
4. Formation post-universitaire
5. L'enseignement en salle de classe
6. L'enseignement par exercices comportant des problèmes à résoudre
7. L'enseignement à l'hôpital
8. L'enseignement dans un centre de santé dans un centre de santé dans la collective
9. L'enseignement sur le terrain
10. Les moyens auxiliaires
11. Evaluation des progrès et des résultats
12. L'avenir

Annexe I.
 Bibliographie pour enseignants d'épidémiologie

TABLE OF CONTENTS

1. Introduction
2. Planning and educational programme
3. Undergraduate training
4. Graduate training
5. Teaching in the classroom
6. Teaching with problem solving exercises
7. Teaching in the hospital
8. Teaching from the community health centre
9. Teaching in the field
10. Aids to teaching
11. Evaluation of performance
12. The future

Annex I. Books for teachers of epidemiology
 Annex II. Further reading on planning an educational programme
 Annex III. Undergraduate teaching programmes
 Annex IV. Graduate teaching programmes
 Annex V. Problem solving exercises
 Annex VI. Hospital teaching programmes
 Annex VII. Field projects
 Annex VIII. Examination questions

74

Authors: Lowe C.R.
Title: Health Statistics and Medical Students - A Guide for Teachers.

Year: 1979
Publisher: World Health Organization / Government of Pakistan
Language: English *Length:* 120 p. *Cost:* ?

Description: This book is designed to provide all the material necessary for organizing and implementing a Workshop on Teaching Statistics to Medical Students, for teachers of this subject. It is the result of a series of WHO arranged seminars, consultations, conferences and workshops beginning with the symposium on the teaching of statistics to undergraduate medical students in Europe, held as long ago as 1962. The material is directly related to "Health Statistics: A Manual for Teachers of Medical Students" and to "The Successful Teaching of Statistics to Every Medical Student." (excerpts from the forward).

TABLE OF CONTENTS

Part I. What a teacher may need to learn
 1. Introduction to the systematic approach to teaching medical statistics
 2. The determination and specification of educational objectives
 3. Exercise on writing objectives
 4. Why medical students need to learn statistics
 5. How much statistics medical students need to learn
 6. How to design a statistics programme for medical students
 7. Methods of teaching and teaching aids
 8. Communication, questions and questioning in the classroom
 9. The lecture and the lesson
 10. Class exercises and project work
 11. Demonstration lecture: statistical association
 12. Class exercise on statistical association with tutors' guide
 13. The seminar
 14. Demonstration seminar: the taking and uses of censuses
 15. Preparation and uses of programmed self-instructional material
 16. Evaluation of teaching programmes and methods of teaching
 17. Evaluation of students learning
 PART II. HOW TO ORGANIZE A WORKSHOP FOR TEACHERS
 18. Objectives of the workshop, practical arrangements, time-table

76

Authors: Lowe C.R. y Kostrzewski J.
Title: *Epidemiología: Guía de Métodos de Enseñanza.*
Year: 1973

Publisher: Asociación Internacional de Epidemiología en colaboración con OMS
Language: Spanish, Fre, Eng *Length:* 245 p. *Cost:* ?

Description: (see the English version).

CONTENIDO (Disponible tambien en frances e ingles)

1. Introduccion
2. Planificacion de un programa docente
3. La preparacion de los estudiantes universitarios
4. La preparacion de los graduados
5. La ensenanza teorica
6. La ensenanza mediante ejercicios de solucion de problemas
7. La ensenanza en el hospital
8. La ensenanza en el centro de salud de la comunidad
9. Ensenanzas sobre el terreno
10. Medios auxiliares de ensenanza
11. Evaluacion del aprovechamiento de los alumnos
12. El futuro

ANEXOS
 I. Bibliografia para profesores de epidemiologia

Annexe II.
Programmes d'enseignement au niveau universitaire
Annexe III.
Programmes d'enseignement au niveau universitaire
Annexe IV.
Programmes de formation au niveau post-universitaire
Annexe V.
Exercices comportant des problèmes à résoudre
Annexe VI.
Programmes d'enseignement à l'hôpital
Annexe VII.
Etudes sur le terrain
Annexe VIII.
Questions d'examen
Annexe IX.
Collaborateurs

77

Authors: Lutz W.
Title: Planning and Organizing.
Year: 1981
Publisher: International Epidemiological Association and WHO
Language: English *Length:* 112 p. *Cost:* ?

Description: This booklet initiates a series of six handbooks for health workers, particularly at the PHC level, on how to gather information, how to handle and present it, and how to use information in the daily management of health care. The booklet is a guide for planning and conducting a survey, in order to gather information about a community and its health problems, when statistical information is not available. It has been written to encourage health service workers of all kinds to undertake surveys when they are needed. (excerpts from page 4).

TABLE OF CONTENTS (Also available in French)

PART I. Planning the survey

1. Recognise and define community needs and problems.
2. Decide what information is required to deal with these needs and problems.
3. Enquire whether this information is already available; study and use any available information.
4. Decide whether a survey can succeed in getting the information required.
5. The first planning decisions.
 - (i) List the main questions the survey is to answer.
 - (ii) Outline the methods (sampling plan) by which the information can be obtained.
 - (iii) Decide on the time required for the field work.
6. Decide on the sampling plan.
 - (i) How are the people to be selected for inclusion in the survey?
 - (ii) How many are to be included?
 - (iii) What arrangements are needed to get the Page interviewers to the respondents?
7. Estimate the survey costs.
 - (i) What will the survey cost in terms of staff, time, transport and others?
 - (ii) Is the survey as outlined in (5) and (6) too big or too complicated or too costly?
 - (iii) Does the survey plan need changing?
8. Make the final decisions on the survey including:
 - (i) The essential information to be collected.
 - (ii) The scale of the survey.
9. Design and write out:
 - (i) Questions and questionnaire
 - (ii) Sampling plan
10. Prepare the interviewer instructions.

PART II. Organising the survey

11. Prepare the community for the survey.
 - (i) Let people in authority know what is planned and get their agreement and co-operation. Explain the purpose of the study to them.
 - (ii) Prepare the community or institution for the coming survey.
12. Test the survey methods.
 - (i) Test the questions and questionnaire.
 - (ii) If possible do a small pilot study.
13. Train the interviewers.
14. Start the field work.
 - (i) Arrange to meet interviewers regularly and often for discussion.
 - (ii) Check completed questionnaire with the interviewers.
15. Abstract the information.

- II. Otras publicaciones sobre planificación de programas
- III. Programa de enseñanza para alumnos no graduados
- IV. Programas de capacitación para graduados
- V. Programas de capacitación para alumnos no graduados
- VI. Programas de enseñanza en hospitales
- VII. Proyectos sobre el terreno
- VIII. Preguntas para los exámenes
- IX. Colaboradores

78

Authors: Lutz W.
Title: Finding and Using Information. (No 3 in the series: Community Health Surveys: A Practical Guide for Health Workers.)
Year: 1983
Publisher: International Epidemiological Association and WHO
Language: English *Length:* 79 p. *Cost:* ?

Description: Everyone interested in health problems and community welfare requires information. Yet much of this information is not readily available and requires active and determined searching. Even when found and collated, such information is not always assessed or used to best advantage. This booklet sets out simple methods and guidelines for finding and using health information. (copied from the back cover).

TABLE OF CONTENTS

1. Introduction
2. Finding and assessing available information
3. Assessing information
4. Using existing information sources to obtain additional data
5. Simple arithmetic aids to understanding information
6. Searching for the available information
7. Using the information we already have

Arrange for abstracting information from the questionnaires. Is local help available for this work?

16. Write and distribute the survey report.

79

Authors: Lutz W.
Title: Sampling: How to Select People, Households, Places to Study Community Health.

Year: 1982
Publisher: International Epidemiological Association and WHO
Language: English *Length:* 122 p. *Cost:* ?

Description: There are right and wrong ways of taking a sample. This book is about how to do it correctly. Correct sampling ensures that a selected group of people, families and households accurately reflect the situation of a whole community. We call this a representative sample. Obtaining a representative sample is a MUST in every survey. (copied from the back cover).

TABLE OF CONTENTS (Also available in French)

Workshop: What it is all about
Survey Workshop
Sampling: General Principles
List Sampling
Sampling by "Numbered Tag"
Stratified Sampling
Cluster Sampling
Two-Stage Sampling
Study Unit Replacement Rules

The Sample Size:
List Sampling
Numbered Tag Sampling
Stratified Sampling
Cluster Sampling
Two-Stage Sampling
Summary and Review
Information Boards
Drawing a Sample of Random Numbers

80

Authors: Lwanga S.K. and Tye C.Y.
Title: Teaching Health Statistics - Twenty lessons and seminar outlines.

Year: 1986
Publisher: World Health Organization
Language: English *Length:* 230 p. *Cost:* Sw.Fr. 39.00

Description: A set of 20 lesson and seminar outlines designed to assist teachers of statistics when preparing courses for medical students. The outlines are divided into 3 groups covering statistical principles and methods, health statistics, including demography and vital statistics, and the use of statistics in medicine, including the design and interpretation of clinical trials. Topics have been selected as representing an internationally acceptable standard basic curriculum. Each outline also gives suggestions for the sequence and perspective of material to be presented. The objective is to help teachers select topics and prepare lesson plans that will enable health professionals to acquire competence in the application of statistical principles and methods.

TABLE OF CONTENTS

- PART I. Statistical Principles and Methods
 1. Introduction to the role of statistics in human biology and health care delivery.
 2. Collection and organization of data and scales of measurement.
 3. Presentation of data.
 4. Measures of central tendency and location.
 5. Measures of variability.
 6. Introduction to probability and inductive statistics.
 7. Estimating population values.
 8. The statistical significance of a difference.
 9. Association, correlation and regression.
 10. Critique of a scientific paper.
 - PART II. Health Statistics, including Demography and Vital Statistics
 11. Census of population and registration of births and deaths as sources of health data.
 12. Evaluation of health: measurement of morbidity.
 13. Evaluation of health: measurement of mortality.
 14. International Classification of Diseases (ICD) and certification of causes of death.
 15. Planning a health survey.
 16. Population dynamics.
 - PART III. Statistics in Medicine
 17. Medical records.
 18. Diagnosis, prognosis and treatment in clinical medicine.
 19. Treatment in clinical medicine: the design and interpretation of clinical trials.
 20. Ethics of statistical investigations in medicine.
- LESSON EXERCISES

81

Authors: Lwanga S.K. and Lemeshow S.
Title: Sample Size Determination in Health Studies - A Practical Manual.

Year: 1991
Publisher: World Health Organization
Language: English *Length:* 80 p. *Cost:* Sw.Fr. 16.00

Description: In any well designed study, the decision on how large a sample to select from the population in question must take into account the need both to obtain statistically valid results and to avoid unnecessary expense. The manual is aimed at those without a detailed knowledge. It presents a variety of situations in which the minimum sample size must be determined, including studies to estimate population proportion, odds ratio, relative risk and disease incidence. Clear examples and over 50 tables enable the reader to determine the sample size without any complicated calculations. It can be used in "cookbook" fashion as a practical guide, once a proposed study and its objectives have been clearly defined. (excerpts from the back cover).

CONTENTS

One-sample situations
Two-sample situations
Case-control studies
Cohort studies
Lot quality assurance sampling
Incidence-rate studies
Definitions of commonly used terms

Tables of minimum sample size
* Estimating a population proportion with specified absolute precision
* Estimating a population proportion with specified relative precision
* Hypothesis tests for a population proportion
* Estimating the difference between two population proportions with specific absolute precision

82

Authors: MacMahon B. and Pugh T.F.
Title: Epidemiology - Principles and Methods.

Year: 1970
Publisher: Little, Brown and Company
Language: English *Length:* 376 p. *Cost:* US\$ 25.00

Description: This unique book sets down principals and methods by which the distribution and determinants of disease prevalence in man can be most profitably studied, particularly as they apply to chronic diseases, for which preventive methods are unknown or inadequate. EPIDEMIOLOGY deals with specific methods for measuring disease frequency - infectious and noninfectious alike, classifying ill or disabled persons, developing morbidity and mortality data, tabulating the characteristics of persons. In addition, methodological approaches that have had important developments, such as studies of migrant populations and the detection of low-intensity disease clustering, have been included. (excerpts from the fly leaf).

TABLE OF CONTENTS

- 1. Epidemiology
 - 2. Concepts of cause
 - 3. Strategies of epidemiology
 - 4. Classification of disease
 - 5. Measures of disease frequency
 - 6. Sources of data
 - 7. Characteristics of persons
 - 8. Place
 - 9. Time
 - 10. Some combinations of person, place, and time
 - 11. Cohort studies
 - 12. Case-control studies
 - 13. Intervention studies
 - 14. Genetics and epidemiology
- References

- * Hypothesis tests for two population proportions
- * Estimating an odds ratio with specified relative precision
- * Hypothesis tests for an odds ratio
- * Estimating a relative risk with specified relative precision
- * Hypothesis tests for a relative risk
- * Accepting a population prevalence as not exceeding a specified value
- * Decision rule for rejecting a lot
- * Estimating an incidence rate with specified relative precision
- * Hypothesis tests for an incidence rate
- * Hypothesis tests for two incidence rates in follow-up (cohort) studies (study duration not fixed)

83

Authors: MacMahon B. and Pugh T.F.
Title: Principios y métodos de Epidemiología
Year: 1975
Publisher: La Prensa Medica Mexicana
Language: Spanish *Length:* *Cost:* ?

Description: See English version.

TABLE OF CONTENTS
See English version

84

Authors: Mausner J.S. and Kramer S.
Title: Mausner & Bahn - Epidemiology - An Introductory Text.
Year: 1985
Publisher: W.B. Saunders Company
Language: English *Length:* 361 p. *Cost:* US\$ 33.00

Description:

TABLE OF CONTENTS

1. EPIDEMIOLOGIC ORIENTATION TO HEALTH AND DISEASE
 - Epidemiology defined
 - Population medicine and epidemiology
 - Health and disease
 - The natural history of disease
 - Levels of prevention
 - Application of prevention and natural history: stroke
2. EPIDEMIOLOGIC CONCEPTS
 - The scope of epidemiology
 - Epidemic versus endemic disease
 - Classification of disease
 - Multiple causation of disease
3. MEASUREMENT OF MORBIDITY AND MORTALITY
 - Rates, ratios, and proportions
 - Incidence and prevalence rates
 - Crude, specific and adjusted rates
 - Major sources of error in measurement of disease
4. SOURCES OF DATA ON COMMUNITY HEALTH
 - The census
 - Vital statistics
 - Morbidity data
 - Linked health records
5. SELECTED INDICES OF HEALTH
 - Cause-specific indices
 - Infant and neonatal mortality
 - Fetal and perinatal mortality
 - Maternal mortality
 - Life expectancy
 - Measurement of disability
 - Other health-related information
6. DESCRIPTIVE EPIDEMIOLOGY: PERSON, PLACE, AND TIME
7. ANALYTIC STUDIES
 - Epidemiologic study cycles
 - Observational versus experimental studies
 - Analytic studies
 - Retrospective studies
 - Prospective studies
 - Historical prospective studies
 - Choice of study methods
 - Cross-sectional studies
 - Problems in etiologic investigation of disease
 - The concept of causality and steps in the establishment of causal relationships
8. PROPHYLACTIC AND THERAPEUTIC TRIALS: EXPERIMENTAL STUDIES
 - Principles of conducting experimental trials
 - Examples of experimental trials
 - The need for experimentally derived information: ethical issues
9. SCREENING IN THE DETECTION OF DISEASE
 - Definition of screening
 - Principles underlying screening programs
 - Evaluation of screening programs
10. POPULATION DYNAMICS AND HEALTH
 - Factors in population dynamics
 - United States population projections
 - World population
 - The stages in demographic development
 - Trends in United States population
11. Epidemiologic aspects of infectious disease
 - Variations in severity of illness
 - Components of the infectious disease process
 - Mechanisms of transmission of infection
 - Some aspects of person-to-person spread of disease
 - Types of epidemics: common source versus propagated
 - Outline of the investigation of an epidemic
12. OCCUPATIONAL EPIDEMIOLOGY
 - Ecological studies
 - Cross-sectional studies

Case-control studies
Cohort studies
Epidemiologic surveillance for occupational disease
Environmental epidemiology
Social policy considerations

13. SELECTED STATISTICAL TOPICS

Survival analysis
Adjustment of rates
Cohort analysis of mortality
Sample size determination

INDEX

85

Authors: McCunney R.J. (Editor)
Title: Handbook of Occupational Medicine.
Year: 1988
Publisher: Little, Brown and Company
Language: English Length: 510 p. Cost: ?

Description: *The basic principals of Occupational Medicine are introduced. It quickly provides important information on the diagnosis and prevention of occupational illnesses. It combines ease of use with comprehensive coverage and it is compact, portable and affordable. It includes substantial references for further reading. (excerpts from the back cover).*

86

Authors: McCusker J.
Title: Epidemiology in Community Health - A self-teaching manual for rural health workers.
Year: 1978
Publisher: African Medical and Research Foundation
Language: English Length: 150+ p. Cost: ?

Description: *This book outlines the ways in which community health problems can be approached and managed. The techniques of investigating and defining community health problems are described, using typical East African community situations to illustrate points. The 'self-instructional' method is intended to help the reader thoroughly understand and remember the contents. (excerpts from the forward).*

TABLE OF CONTENTS

Acknowledgements
Foreword
How to use this book

Unit 1. What is community health?

1.1 Introduction 1.2 Objectives 1.3 Clinical medicine and community health 1.4 Health, disease and risk factors 1.5 The stages of disease 1.6 Community diagnosis 1.7 Users and non-users of health services 1.8 Answers to questions

Unit 2. Preventing and treating disease

2.1 Introduction 2.2 Objectives 2.3 The stages of prevention 2.4 Primary prevention 2.5 Secondary prevention 2.6 Tertiary prevention 2.7 Prevention of poliomyelitis 2.8 Answers to practice questions

Unit 3. Using numbers and graphs

3.1 Introduction 3.2 Objectives 3.3 Numbers and percentages 3.4 The range 3.5 Frequency distribution 3.6 Graphs of frequency distribution 3.7 Population pyramids 3.8 Answers to practice questions

Unit 4. More uses of numbers and graphs

4.1 Introduction 4.2 Objectives 4.3 Measurements in MCH clinics 4.4 The average (mean) 4.5 Standard weight for age 4.6 Road to Health Chart 4.7 Other line graphs 4.8 Answers to practice questions

Unit 5. Health centres and their populations

5.1 Introduction 5.2 Objectives 5.3 Catchment population 5.4 Needs for health services 5.5 Users and non-users of health services 5.6 Death rate and RNI 5.7 Answers to practice questions

Unit 6. Samples and surveys

6.1 Introduction 6.2 Objectives 6.3 Surveys in the health centre population 6.4 Populations and samples 6.5 Prevalence surveys 6.6 Demographic surveys 6.7 KAP surveys 6.8 Health service use surveys 6.9 Answers to practice questions

Unit 7. Screening

7.1 Introduction 7.2 Objectives 7.3 Why do we screen? 7.4 Accuracy of screening tests 7.5 Repeatability 7.6 False positives and false negatives 7.7 Qualities of a good screening test 7.8 Answers to practice questions

Unit 8. Evaluating community health services

8.1 Introduction 8.2 Objectives 8.3 The community health cycle 8.4 Setting goals 8.5 Organization 8.6 Evaluation 8.7 Evaluation of immunization programmes 8.8 Answers to practice questions

Unit 9. Improving the quality of services

9.1 Introduction 9.2 Objectives 9.3 Quality of health services 9.4 Improving quality through patient records 9.5 Evaluating quality of services 9.6 Answers to practice questions

Unit 10. Records and registers

10.1 Introduction 10.2 Objectives 10.3 Purposes of records 10.4 Patient care records 10.5 Detection of epidemics 10.6 Planning and organizing health services

10.7 Evaluating health services 10.8 Survey records
10.9 Answers to practice questions

Definitions of technical terms and concepts

Post tests Unit 1-10

Post test answers

87

Authors: Miettinen O.S.
Title: Theoretical Epidemiology. Principals of Occurrence Research in Medicine.
Year: 1985
Publisher: John Wiley & Sons, Inc.
Language: English *Length:* 359 p. *Cost:* US\$ 38.00

Description: Theoretical epidemiology is treated as "the discipline of how to study the occurrence of phenomena of interest in the health field." It delineates major principles of study design and data analysis in research into the frequency of occurrence of illness and related phenomena in human populations, both in the community and in clinical situations. It is concerned with the principles of the dominant type of research in applied medical science and in health care administration. The intent is to provide the necessary theoretical background for dealing with occurrence research in medicine - for thinking about it, for reviewing it, and for conducting it. (excerpts from the preface). It appears to be highly mathematical (reviewer).

TABLE OF CONTENTS

- 1. The study of occurrence problems in medicine: introduction

PART I. STUDY DESIGN

- 2. Design of the occurrence relation
- 3. Design of the study base
- 4. Design of sampling of the base
- 5. Design of information on the samples
- 6. Design of analysis
- 7. Interdependencies in design
- 8. Study protocol

PART 2. DATA ANALYSIS

- 9. Elements of data analysis and inference
- 10. Analysis of a single rate
- 11. Comparative analysis of two rates I: null chi-square
- 12. Comparative analysis of two rates II: chi-square function for rate difference
- 13. Comparative analysis of two rates III: chi-square function for rate ratio
- 14. Comparative analysis of two rates IV: chi-square function for odds ratio
- 15. Comparative analysis of several rates: null chi-square
- 16. Analysis of means of quantitative observations
- 17. Analysis of case-referent data
- 18. Regression analysis

APPENDICES

- Appendix 1. Rate measures of occurrence
- Appendix 2. Measures of occurrence relation
- Appendix 3. Causal and preventive interdependence (synergism and antagonism)
- Appendix 4. Crude, adjusted, and standardized rates
- Appendix 5. Census vs. case-referent approach: relative informativeness
- Appendix 6. Case-referent approach: sample of base (referent) vs. sample of noncase subdomain of base
- Appendix 7. Relative sizes of compared series
- Appendix 8. Review of study design
- Appendix 9. Distribution of P-value and interpretation of test results
- Appendix 10. Some probability models
- Appendix 11. P-value from standard Gaussian statistic
- Appendix 12. P-value from chi-square statistic
- Appendix 13. Analysis of matched series: variance estimates for x2 functions of rate difference and rate ratio
- Appendix 14. Analysis of matched series: x2 of odds ratio

88

Authors: Miller D.L. and Farmer R.D.T.
Title: Epidemiology of Diseases.
Year: 1982
Publisher: Blackwell Scientific Publications
Language: English *Length:* Cost: ?

Description:

TABLE OF CONTENTS

SECTION 1. INFECTIOUS DISEASES

- 1. Acute Respiratory Infections
D.L. Miller
- 2. Tuberculosis
M.W. McNicol
- 3. Infectious Diseases of the Nervous System
E.M. Ross
- 4. Gastro-intestinal Infections and Food Poisoning
N.S. Galbraith
- 5. Sexually Transmitted Diseases
M.W. Adler
- 6. Viral Hepatitis
A.J. Zuckerman

SECTION 2. DISEASES OF THE HEART, BLOOD VESSELS AND BLOOD

- 7. Coronary Heart Disease
H. Tunstall Pedoe
- 8. Hypertension
H. Tunstall Pedoe
- 9. Stroke
H. Tunstall Pedoe
- 10. The Leukaemias
R.J. Berry
- 11. Anaemia
W.E. Waters and P.C. Elwood

SECTION 3. CHRONIC RESPIRATORY DISEASES

- 12. Chronic Non-specific Lung Disease and Asthma
J.R.T. Colley
- 13. Industrial Lung Diseases
G. Kazantzis
- 14. Neoplasms of the Respiratory System
G. Kazantzis

SECTION 4. DISEASES OF THE DIGESTIVE SYSTEM

- 15. Peptic Ulceration
B.G. Gazzard and P. Lance
- 16. Malignant Disease of the Upper Gastro-intestinal Tract
B.G. Gazzard and P. Lance
- 17. Inflammatory Disease of the Lower Gastro-intestinal Tract
B.G. Gazzard and P. Lance
- 18. Large Bowel Cancers
B.G. Gazzard and P. Lance
- 19. Carcinoma of the Pancreas
R.J. Berry and D.R. Jones

SECTION 5. DISEASES OF THE GENITO-URINARY SYSTEM AND BREAST

- 20. Urinary Tract Infections
W.E. Waters
- 21. Prostatic Hypertrophy and Carcinoma
R.J. Berry and D.R. Jones
- 22. Carcinoma of the Bladder
R.J. Berry
- 23. Gynaecological Cancers
J. Chamberlain
- 24. Carcinoma of the Female Breast
J. Chamberlain

SECTION 6. ENDOCRINE DISEASES

- 25. Diabetes Mellitus
C. du V. Florey
- 26. Thyroid Disease
P.O.D. Pharosah

SECTION 7. LOCOMOTOR AND NEUROLOGICAL DISEASES

- 27. Rheumatic Disorders
P.H.N. Wood and E. Badley
- 28. Multiple Sclerosis
Emer Shelley and G. Dean
- 29. Epilepsy
E.M. Ross

SECTION 8. ACCIDENTS AND SUICIDE

- 30. Accidents
R.D.T. Farmer, A. Nixon and J. Connolly
- 31. Suicide and Attempted Suicide
R.D.T. Farmer

SECTION 9. MATERNAL AND FETAL HEALTH

- 32. Benefits and Risks of Different Methods of Contraception
M.P. Vessey
- 33. Pregnancy, Childbirth and Perinatal Mortality
C. Peckham, E.M. Ross and R.D.T. Farmer

34. Congenital Malformations
C. Peckham, R.D.T. Farmer, and E.M. Ross
Index

89
Authors: Morris J.N.
Title: *Uses of Epidemiology*. (3rd Edition)
Year: 1975
Publisher: Churchill Livingstone, Inc.
Language: English Length: 311 p. Cost: ?

Description:

TABLE OF CONTENTS

INTRODUCTION

1. HISTORICAL STUDY

Child health. Has health improved? Rise of modern epidemics. Changes in natural history. Mental disorders. Remarkable history of duodenal ulcer. History of population; ageing. Expectation of life. Sex ratio. Numbers and misery. Local version.

2. COMMUNITY DIAGNOSIS: COMMUNITY HEALTH

Sickness-absence. Clinical and community medicine. Chronic disability. Burden of disease in middle age. Cardiovascular disease. Condition of the people. Epidemiology of health. Population surveys. Validity. Registration of coronary heart disease. Health and the mode of life. Reproductive performance. Standard of living. Individuals and populations. Modern world. Youth culture. Is health improving? Community diagnosis. New measurements.

3. WORKING OF HEALTH SERVICES

Medical police. What is general practice? National information. Need-Demand-Supply. Utilisation. Geography of health services. Quality of medical care. Outcomes. Hazards of health services. Community care. Information on mental disorders. Action research. Morality of medical care.

4. INDIVIDUAL CHANCES AND RISKS

Modern epidemics. Risks of malignant disease. Prediction research. At-risk registers.

5. IDENTIFICATION OF SYNDROMES

Atherosclerosis. Two grades of mental handicap. High blood pressure without evident cause. Identification of non-syndromes. Association of diseases. And their dissociation.

6. COMPLETING THE CLINICAL PICTURE

Completing the picture in breadth. Clinical medicine and epidemiology. In depth. Patients and populations. Precursors of disease. The average and the healthy. Dispositions. Information for research and for services. Natural history of chronic diseases. And their control. A model.

7. IN SEARCH OF CAUSES

Victorian thunder. A modern hygiene? Epidemic constitution. Individual variation. Some contributions. Modern epidemic. Hypothesis on exercise. Exploring arterial blood pressure. Action research. Improvement of cardiovascular epidemiology. Multiple causes. Theory and action. Epidemiology of personal behavior. Personal participation in health and prevention. Uses. Bronchitis. Multiple causes. Childhood. English disease. Rediscovery of byssinosis. Three ways. Cancer in the reports of the general register office. Historical study. Morbidity and the N.C.R.S. Geographical pathology. International collaboration. The appropriate universe in physiological studies. Ecology of mental disorders. Community diagnosis. Social pathology. Modern world. The average, the healthy—and the approved. Social groups. Hypotheses. Statement. Test and deductions. Experiment of opportunity. Case-control and cohort studies. "Multivariate analysis". Experimental epidemiology.

8. THREE WAYS OF LEARNING

Sir George Baker's consummate proof. Causes of cancers. A new causation discovered. Causes of goitre in Tasmania.

9. RECAPITULATION

Medicine and society. Community medicine.

10. MEASUREMENTS FOR USES

11. POSTSCRIPT: "FOUR CHEERS FOR PREVENTION"

Quality of medical care. Early diagnosis. Protecting the vulnerable individual. A healthier mode of life. Epidemiology of health.

12. REFERENCES AND READING

13. INDEX OF SUBJECTS

91
Authors: Morton R.F. and Hebel J.R.
Title: *Epidémiologie et Biostatistique - Une introduction programmée*.
Year: 1977
Publisher: Dolin Editeurs
Language: French Length: 201 p. Cost: ?

Description: *Ce livre présente en termes simples, d'une manière concise et non mathématique, les principes et les méthodes de base des disciplines fondamentales que sont l'épidémiologie et la biostatistique dans les domaines de la Santé. Rédigé à partir d'un cours à des étudiants en médecine, il est également destiné aux étudiants en pharmacie et en odontostomatologie, ainsi qu'aux autres professions de la santé et des sciences sociales. Il peut être utilisé seul, ou conjointement avec des manuels plus complets. De nombreux exercices et auto-évaluations par QCM permettent aux étudiants et enseignants une appréciation constante des progrès réalisés. (excerpts from the back cover).*

90
Authors: Morton R.F. and Hebel J.R.
Title: *A Study Guide to Epidemiology and Biostatistics - including 100 multiple-choice questions*. (2nd Edition)
Year: 1984
Publisher: Aspen Publishers Inc.
Language: English Length: 144 p. Cost: US\$ 19.50

Description: *This small book is extremely well planned for students in the health sciences. Each chapter covers a single subject described succinctly by the objectives listed at the beginning, followed by study notes, exercises, exercise answers, recommended readings, and references. This is the revised and updated second edition of the authors' acclaimed self-study guide for students of the entire spectrum of health science. All data, references and examples are completely current. There are three new topics: predictive value of a positive test (in the chapter on Screening), sample size considerations (in Statistical Significance), and the influence of informed consent (in Randomized Clinical Trials). (from the back cover).*

TABLE OF CONTENTS

1. Investigation of an Epidemic
2. Measures of Mortality
3. Incidence and Prevalence
4. Measures of Risk
Self-Assessment 1
5. Biological Variability
6. Probability
7. Screening
8. Sampling
9. Statistical Significance
10. Correlation
Self-Assessment 2
11. Retrospective Studies
12. Prospective Studies
13. Randomized Clinical Trials
14. Association and Causation
Self-Assessment 3
Self-Assessment Final
Answers to Self-Assessments

92
Authors: Norman G.R. and Streiner D.L. (editors)
Title: *PDQ Statistics*.
Year: 1986
Publisher: B.C. Decker, Inc.
Language: English Length: 172 p. Cost: US\$ 12.95

Description: *First book in the PDQ series, which aims to demystify research concepts.*

TABLE OF CONTENTS:

- Introduction
- Variables and Descriptive Statistics
- 1 Names and Numbers: Types of Variables
 - 2 Describing Data
- Parametric Statistics
- 3 Statistical Inference
 - 4 Comparison of Means of Two Samples. The t Test

TABLE DES MATIERES

Préface à l'édition française
Préface à l'édition originale
Comment utiliser l'ouvrage
Objectifs

1. L'enquête épidémiologique
2. Mesures de la mortalité
3. Incidence et prévalence
4. La mesure du risque
Auto-évaluation 1
5. Variabilité biologique
6. Probabilité
7. Dépistage
8. Echantillonnage
9. Signification statistique
10. Corrélation
Auto-évaluation 2
11. Etudes rétrospectives
12. Etudes prospectives
13. Essais cliniques randomisés
14. Association et causalité
15. Auto-évaluation 3
16. Auto-évaluation finale

Corrigé des auto-évaluations
Index

Lexique Anglais-Français des termes
statistiques et épidémiologiques

93

Authors: Pampiglione S.
Title: Handbook for Health Workers in Africa.
Year: 1987
Publisher: Istituto Italo Africano
Language: Eng, Fre, Por, Ita Length: 453 p. Cost: ?

Description: The term Health Worker is used to indicate the individual in charge of a community of 5,000 to 20,000 inhabitants. This manual aims to provide the Health Worker with a guide that contains, in a single volume, all the references on therapeutic and preventive medicine necessary in daily practice. It contains the principal notions on anatomy and physiology, nutrition, environmental hygiene, pathology, semeiotics, clinical pathology, preventive medicine, the principal nursing procedures and first-aid practices, certain elements of health education, family planning, education of health personnel, the essential notions of health statistics, several charts and other useful information. (excerpts from the introduction).

95

Authors: Paul J.R.
Title: Clinical Epidemiology.
Year: 1966
Publisher: The University of Chicago Press
Language: English Length: 295 p. Cost: ?

Description: In a sense, preventive medicine is applied epidemiology, and this has brought the epidemiological aspect of medicine increasingly to the fore as part of the modern physician's academic job. For a variety of reasons, this book has many inadequacies and falls far short of orthodox concepts of epidemiology, which may involve large populations and far more emphasis on statistics. The purpose of this small volume is to introduce the subject to doctors, medical students and others, in semi-technical terms and with examples they might use. It is especially for clinical investigators, but not especially for statisticians. Also, the examples are mainly of infectious disease. (edited excerpts from preface to the revised edition.)

- 5 Comparisons among Many Means: Analysis of Variance
- 6 Relationship between Interval and Ratio Variables,
Linear Regression, and Related Methods
- 7 Analysis of Covariance
- 8 Time Series Analysis
- Non-Parametric Statistics
- 9 Non-Parametric Tests of Significance
- 10 Non-Parametric Measures of Association
- 11 Advanced Non-Parametric Methods
- Multivariate Methods
- 12 Introduction
- 13 Hotelling's T2 and MANOVA
- 14 Discriminant Function Analysis
- 15 Factor Analysis
- 16 Cluster Analysis
- 17 Canonical Correlation
- Research Designs
- Annotated Bibliography
- A Humorous Glossary of Statistical Terms
- Index

94

Authors: Parmeggiani L.
Title: International Directory of Databases and Data Banks in Occupational Health.
Year: 1987
Publisher: International Commission on Occupational Health (ICOH)
Language: English Length: 174 p. Cost: ?

Description: Many databases have been recently developed in occupational health and current technical progress is leading to a further growth of these facilities. Occupational health services are increasingly storing data from their day to day activities: case histories, findings from biological monitoring, medical surveillance, environmental monitoring, industrial health surveys, and medical inspections. This first directory includes 170 databases, including a good description and an address for each. (excerpts from the forward).

TABLE OF CONTENTS:

Acknowledgements
Index by Country
Index by Database
Index by Selected Subjects
Foreword
Databases by Country
Databases of International Organizations

96

Authors: Peach H., and Heller R.F.
Title: Epidemiology of common diseases
Year: 1984
Publisher: William Heinemann Medical Books Limited
Language: English Length: 210 p. Cost: ?

Description:

TABLE OF CONTENTS

Foreword
Preface

1. Diseases whose aetiology is sufficiently understood for prevention
2. Diseases whose aetiology is only partly understood but for which screening has been proposed
3. Diseases whose aetiology is not well understood and which are not amenable to prevention or screening

Glossary of epidemiological terms
Further reading
Index

97

Authors: Peterson D.R. and Thomas D.B.
Title: **Fundamentals of Epidemiology: An Instruction Manual.**
Year: 1978
Publisher: Lexington Books
Language: English *Length:* *Cost:* ?

Description:

TABLE OF CONTENTS

- Introduction
- Disease Rates
 - Incidence and Prevalence
 - Rate Components
 - Rate Base
 - Rate Denominators
- The Disease-Spectrum Concept
- Disease Incidence
- Epidemic Curves
- Disease Prevalence
- Incidence and Prevalence Rates
- The Disease Iceberg Concept
- The Rationale of Epidemiology
- Avenues of Epidemiologic Investigation
- Historically Oriented Investigations
 - Descriptive Studies
 - Noncurrent Prospective Studies
 - Case-Control Studies
- Prevalence Studies
- Reproducibility and Accuracy
- Sensitivity and Specificity
- Sensitivity, Specificity, and Disease Prevalence
- Variable-Specific Rates and Rate Adjustment
- Cohort Analysis
- Concurrent Prospective Studies
- Comparing Rates
- Imputing Risk and Associations from Disease Rates
- Experimental Studies
- The Rubella Story
- Uses of Disease Rates
- Epidemiology and Statistics
- Disease Rates and Health Problems
 1. The Disease Spectrum
 2. Epidemic Curves
 3. Incidence and Prevalence Rates
 4. Conventional Rates
 5. A Descriptive Study
 6. Sensitivity and Specificity
 7. Rate Adjustment
 8. A Prospective Study
 9. A Case Control Study
 10. An Experimental Study
 11. Classification of Investigations
- Answers to Problems
- Specimen Examination Questions
- Answers to Examination Questions
- Key Words and Phrases
- About the Authors

99

Authors: Phoon W.O. and Chen P.C.Y. (Editors)
Title: **Textbook of Community Medicine in South-East Asia.**
Year: 1986
Publisher: John Wiley & Sons, Inc.
Language: English *Length:* 609 p. *Cost:* ?

Description: *Community medicine is a very rapidly advancing discipline in South-East Asia, and the preventive, organizational and sociological aspects of health are increasingly seen as subjects of major significance in the many hundreds of medical schools in this part of the world. This textbook has been written by fifty contributors from ten countries in South-East Asia. It is a textbook for medical students which is directly applicable to their own environment and circumstances. Considerable emphasis is given to the role of social sciences, the involvement of the community in the health care system, and epidemiological principles. Examples and data are derived directly from experiences in South-East Asia. (excerpts from the back cover).*

98

Authors: Phoon W.O. (Editor)
Title: **Epidemiology for the Health Officer: a Field Manual for the Tropics.**
Year: 1985
Publisher: World Health Organization
Language: English *Length:* 164 p. *Cost:* ?

Description:

TABLE OF CONTENTS

- SECTION I INTRODUCTION**
 - 1 The Epidemiological Perspective
 - 2 Epidemiological Responsibilities of the Health Officer and Team
- SECTION II ROUTINE EPIDEMIOLOGICAL METHODS**
 - 3 Characteristics of the Population
 - 4 Community Diagnosis
 - 5 Surveillance
 - 6 Investigation of an Epidemic
- SECTION III SPECIAL INVESTIGATIONS**
 - 7 Planning an Epidemiological Investigation
 - 8 Implementing and Epidemiological Investigation
 - 9 Logistical Aspects
- SECTION IV TOOLS IN EPIDEMIOLOGY**
 - 10 Design of forms
 - 11 Data Processing
 - 12 Tabulation of Data
 - 13 Diagrammatic presentation of Data
 - 14 Writing a report
- EPILOGUE**
- ANNEXES**
 - A Ethical considerations concerning epidemiological research in developing countries
 - B Table of Random Numbers
 - C Illustrative Examples
 - D Acknowledgements

100

Authors: Pickles William
Title: **Epidemiology in Country practice**
Year: 1984
Publisher: The Royal College of General Practitioners
Language: English *Length:* 110 p. *Cost:* ?

Description:

TABLE OF CONTENTS

- Editor's preface
- Foreword by Major Greenwood
- Preface by John H. Hunt
- Introduction by W.N. Pickles
- Chapter
 - I - An appeal
 - II - The lines of communication
 - III - Technique
 - IV - The commoner diseases
 - V - Chicken pox and shingles
 - VI - Sonne dysentery and the rarer diseases
 - VII - Epidemic catarrhal jaundice
 - VIII - Epidemic myalgia
- Bibliography

101

Authors: Planz V.M.
Title: Allgemeine Epidemiologie (General Epidemiology).
Year: 1973
Publisher: Georg Thieme Verlag
Language: German *Length:* 226 p. *Cost:* ?

Description:

INHALTSVERZEICHNIS

Teil I

Einleitung

1. Definition und Gliederung der Epidemiologie
2. Grenzen und Einschränkungen epidemiologischer Forschung: Schutz und Respektierung individueller Belange

Teil II

Hypothesen und Modelle

3. Modelle in der Epidemiologie
4. Kausale Beziehungen
5. Stufen epidemiologischer Argumentation

Teil III

Das Messen

6. Elemente der Erfassung und der Interpretation
7. Probleme des Messens in der Epidemiologie
8. Reliabilität (Zuverlässigkeit)
9. Validität (Gültigkeit)

Teil IV

Sammeln von Krankheitsdaten

10. Datenerhebung in der Epidemiologie
11. Epidemiologische Häufigkeitsziffern
12. Gebräuchliche Raten in der Epidemiologie und der Medizinalstatistik
13. Relatives Risiko
14. Altersstandardisierung
15. Datenquellen
16. Diagnostische Klassifikationen
17. Typen von Untersuchungsplänen

Teil V

Spezielle Fragestellungen

18. Ökologische Fragestellung
19. Häufung von Krankheitsfällen in Zeit und Raum
20. Kohortenmodell
21. Epidemiologische Aspekte der Berechnung von Absterbeordnungen (Überlebenskurven)

Teil VI

Praktisches epidemiologisches Arbeiten

22. Hypothesenbildung
23. Planung und Organisation epidemiologischer Studien
24. Auswahl der Untersuchungspopulation
25. Dokumentation epidemiologischer Daten
26. Befragung
27. Auswertung und Darstellung epidemiologischer Daten
28. Interpretation epidemiologischer Resultate

103

Authors: Robinson Derek (editor)
Title: Epidemiology and the Community Control of Disease in Warm Climate Countries
Year: 1985
Publisher: Churchill Livingstone, Inc.
Language: English *Length:* 747 p. *Cost:* ?

Description:

TABLE OF CONTENTS:

- Section A - Epidemiology Principles, Disease Distribution, Control, and Investigation
- Section B - Airborne Infections
- Section C - Food and Water Borne Infections
- Section D - Direct Contact Infections
- Section E - Vector Borne Infections
- Section F - Zoonoses
- Section G - Non Infectious Illness
- Section H - Population Variables
- Index

102

Authors: Riegelman R.K. and Hirsch R.P.
Title: Studying a Study and Testing a Test - How to Read the Medical Literature (2nd edition).
Year: 1989
Publisher: Little, Brown and Co.
Language: English *Length:* 349 p. *Cost:* ?

Description: This book provides a step-by-step active-participation approach to a clinical review of the medical literature. It teaches reading journal articles more critically and efficiently. It includes many flaw-catching exercises, and a non-mathematical flowsheet for evaluating statistical procedures. The second edition includes new material on controlled clinical trials, examining what needs to be done and what can go wrong in each step of the process. The second edition also contains extensive footnotes for the statistically oriented reader or for formal classroom use. It is ideal for use in a course or journal club, or in preparation for Part II of the National Board Examinations. (excerpts from the back cover).

104

Authors: Roht L.H., Selwyn B.J., Hoiguin A.H. and Christensen B.L.
Title: Principles of Epidemiology - A Self-Teaching Guide.
Year: 1982
Publisher: Academic Press, Inc.
Language: English *Length:* 520 p. *Cost:* ?

Description: This self-teaching guide consists of a series of problem-solving exercises designed to introduce and guide you toward an understanding of the principles and methods of epidemiology. The guide may be used by itself, or as a supplement to standard textbooks. The guide has two major objectives: upon completion you should be able to (1) plan an investigation of a community health problem, and (2) constructively evaluate research and scientific reports appearing in the literature. (excerpts from the introduction).

TABLE OF CONTENTS (Copyright © 1982 by Academic Press, Inc.)

- Introduction
- PART I. BASIC TENETS OF EPIDEMIOLOGY**
- Exercise 1. Patterns of disease
- Exercise 2. Population at risk
- PART II. MEASUREMENT**
- Exercise 3. Assessing risk
- Exercise 4. Presentation of data
- Exercise 5. Classification systems
- Exercise 6. Screening for disease
- PART III. EPIDEMIOLOGIC STRATEGY**
- Exercise 7. Investigation of an epidemic
- Exercise 8. Etiology of disease
- Exercise 9. Principles of causation

PART IV. STUDY DESIGN AND INTERPRETATION OF DATA

- Exercise 10. Study design in epidemiologic investigation
- Exercise 11. Problems in the design or presentation of data of epidemiologic studies
- Exercise 12. Bias in epidemiologic investigations
- Exercise 13. Evaluation of epidemiologic reports
- Exercise 14. Uses and applications of epidemiology
- Appendix I. Bibliography of readings in epidemiology and public health
- Appendix II. Suggested examination questions for coursework evaluation
- Index

105

Authors: Rose G. and Barker D.J.P.
 Title: *Epidemiology for the Uninitiated.*
 Year: 1979
 Publisher: British Medical Association
 Language: English Length: 59 p. Cost: £ 9.45

Description: *Few things are more dispiriting for a medical editor than having to reject a paper based on a good idea but with irremediable flaws in the methods used. All too often doctors set about research projects without having asked advice on the best way to compare populations or to carry out surveys. The articles that make up this book have the aim of helping future authors to avoid the most obvious traps. They will also help readers of medical journals to make more sense of the articles they contain—and to judge for themselves whether the conclusions are valid. (excerpts from the preface).*

TABLE OF CONTENTS

- What is epidemiology?
- What is a case? Dichotomy or continuum?
- Rates
- Repeatability and validity
- Observer variation
- Planning a survey
- Comparing rates
- Prognosis and outcome
- Screening
- Aetiology of disease—comparisons between individuals
- Aetiology of disease—selection of controls
- Experimental studies
- Outbreaks of disease
- Index

107

Authors: Rothman K.J.
 Title: *Modern Epidemiology.*
 Year: 1986
 Publisher: Little, Brown and Company
 Language: English Length: 334 p. Cost: ?

Description:

TABLE OF CONTENTS

- Preface
- Acknowledgments
- 1. The emergence of epidemiology
- 2. Causal inference in epidemiology
- 3. Measures of disease frequency
- 4. Measures of effect
- 5. Standardization of rates
- 6. Types of epidemiologic study
- 7. Objectives of epidemiologic study design
- 8. Strategies in the design of epidemiologic studies
- 9. The role of statistics in epidemiologic analysis
- 10. Fundamentals of epidemiologic data analysis
- 11. Analysis of crude data
- 12. Stratified analysis
- 13. Matching
- 14. Multivariate analysis
- 15. Interactions between causes
- 16. Analysis with multiple levels of exposure
- Index

106

Authors: Rosenstock L. and Cullen M.
 Title: *Clinical Occupational Medicine.*
 Year: 1986
 Publisher: Harcourt Brace Jovanovich Limited
 Language: English Length: 325 p. Cost: US\$ 22.50

Description:

TABLE OF CONTENTS:

- SECTION 1
FUNDAMENTALS OF OCCUPATIONAL MEDICINE IN CLINICAL PRACTICE
- 1. Principles of occupational disease
- SECTION 2
APPROACH TO THE PATIENT
- 2. Respiratory tract disease
- 3. Hematologic disease
- 4. Rheumatologic disease
- 5. Cardiovascular disease
- 6. Diseases of the kidney and urinary tract
- 7. Gastrointestinal disease
- 8. Endocrine and reproductive disorders
- 9. Neurologic disease
- 10. Psychiatric disease
- 11. Skin disease
- SECTION 3
HAZARDS IN THE WORKPLACE
- 12. Physical, psychologic, and biologic hazards
- 13. Metals
- 14. Organic solvents and related substances
- 15. Oils, tar, coke, and pitch
- 16. Inorganic compounds in rubbers, plastics, and synthetic textiles
- 17. Organic nitrogen compounds in chemical, pharmaceutical, and explosives
- 18. Mineral dusts
- 19. Inorganic gases
- 20. Pesticides and related substances
- Appendix I
- Appendix II
- Appendix III
- Index

108

Authors: Rumeau Rouquette C., Bréart G., Padieu R.
 Title: *Méthodes en Épidémiologie*
 Year: 1985
 Publisher: Flammarion Médecine Sciences
 Language: French Length: 400 p. Cost: ?

Description: *Avant-propos: "La deuxième édition de ce "Méthodes en Épidémiologie" est intervenue environ dix ans après la première, apportant des modifications très profondes dans la conception de ce livre. Quatre ans seulement se sont écoulés entre les deuxième et troisième éditions. Il s'agissait donc moins pour les auteurs de bouleverser une fois encore le contenu que de le compléter, et d'essayer de mieux l'adapter à des objectifs de formation. Les éléments nouveaux qui figurent dans la troisième édition concernent essentiellement l'évaluation (...). Cette extension correspond au développement des travaux épidémiologiques modernes tendant à appliquer les enquêtes d'observation à l'évaluation de l'efficacité des actions de santé.*

TABLE OF CONTENTS:

- Avant-propos
- Préface à la deuxième édition
- Bibliographie générale
- Ière Partie - PRINCIPES
- Chapitre I - Définitions et grands axes de l'épidémiologie
- Chapitre II - Enquêtes et expériences
- Chapitre III - Statistiques sanitaires
- IIème Partie - METHODES D'ECHANTILLONNAGE
- Chapitre IV - L'échantillonnage dans une optique descriptive
- Chapitre V - Sondages élémentaires, estimation d'une variable
- Chapitre VI - La stratification
- Chapitre VII - Sondages en grappes
- Chapitre VIII - Sondages à plusieurs degrés
- Chapitre IX - L'échantillonnage dans une expérimentation

- Chapitre X - Nombre de sujets nécessaires pour une expérience
- Chapitre XI - L'échantillonnage dans les enquêtes étiologiques
- Chapitre XII - L'échantillonnage dans les enquêtes d'évaluation

3ème Partie - METHODES D'INVESTIGATION

- Chapitre XIII - Investigation dans une optique descriptive, mesure état de santé
- Chapitre XIV - Le questionnaire dans une optique descriptive
- Chapitre XV - Contrôle de qualité de l'information
- Chapitre XVI - Investigations dans une expérimentation
- Chapitre XVII - Investigations dans les enquêtes étiologiques
- Chapitre XVIII - Investigations dans les enquêtes d'évaluation
- Chapitre XIX - Exploitation informatique des données épidémiologiques

4ème Partie - METHODES D'ANALYSE

- Chapitre XX - Indices de santé
- Chapitre XXI - Répartition géographique d'une variable
- Chapitre XXII - Analyse des cohortes
- Chapitre XXIII - Etude des associations dans le temps et dans l'espace
- Chapitre XXIV - Comparaison de deux groupes de sujets
- Chapitre XXV - Application de l'analyse discriminante
- Chapitre XXVI - Mesures du risque
- Chapitre XXVII - Comparaison de plusieurs groupes
- Chapitre XXVIII - Autres méthodes d'analyse
- Chapitre XXIX - Analyse des études d'évaluation
- Conclusion
- Index

109

Authors: Sackett D.L., Haynes R.B. and Tugwell P.
 Title: **Clinical Epidemiology: A Basic Science for Clinical Medicine.**
 Year: 1985
 Publisher: Little, Brown and Co.
 Language: English Length: 370 p. Cost: ?

Description: This textbook is a practical source book that clearly explains the use of epidemiologic methodology and biostatistics in clinical decision making. There are many examples. Useful, easy to follow charts and graphs help to simplify complex statistics. There are three sections: Diagnosis addresses the application of epidemiologic principles to clinical exams, interpretation of diagnostic tests and early diagnosis; Management emphasizes ways of choosing the best therapy and evaluating the patient's response; Keeping Up-to-Date is a unique and extremely valuable guide to being well informed on the important developments in your field. The application of large group studies to individual patients is explored. (from the back cover)

110

Authors: Sommer A.
 Title: **Epidemiology and Statistics for the Ophthalmologist.**
 Year: 1980
 Publisher: Oxford University Press
 Language: English Length: 84 p. Cost: ?

Description:

TABLE OF CONTENTS

Epidemiology

- Rates: their meaning and use
 - Attack rate
 - Relative risk
 - Group-specific rates
 - Prevalence and incidence
 - Sensitivity and specificity
 - False positives and false negatives

Clinical studies: techniques, common sense, and a few more definitions

- Prospective studies
- Retrospective studies
- Bias and its control
 - Sampling bias
 - Randomization
 - Standardization and adjustment
 - Loss to follow-up
 - Controls
 - Patient bias
 - Observer bias
- Observer variation and reproducibility

The statistical interface

- Sample size
- Test of significance
- Clinical versus statistical significance
- Statistical association and epidemiologic inference
 - Association
 - Inference
- Putting it all together
- Organization of clinical studies -- getting started and staying on track
- Is it really worth quoting?

Statistics

- Simple concepts and cookbook formulas
 - What's it about and why do I need it?
 - Alpha error
- Tests of statistical significance
 - Attribute data
 - The normal deviate (z)
 - Chi-square
 - Measurement data
 - Standard deviation
 - Standard error
 - Calculating the standard deviation
 - Calculating the standard error
 - Comparison of two independent samples
 - Comparison of two paired samples
 - Comparison of three or more samples

- Choosing a sample size
 - Attribute data

Measurement data
Paired samples
Independent samples

Confidence limits
Some parting advice

References

- Appendix 1. Table of random numbers
- Appendix 2. Two-tailed probability values for the normal deviate (z)
- Appendix 3. Probability values for chi-square
- Appendix 4. Two-tailed probability values for student's t test
- Appendix 5. Background and source material
- Index

111

Authors: Spilker B.
Title: Guide to Clinical Studies and Developing Protocols.
Year: 1984
Publisher: Raven Press
Language: English *Length:* 297 p. *Cost:* ?

Description:

TABLE OF CONTENTS

Terminology
List of tables
List of illustrations

SECTION I. DEVELOPING STUDY DESIGNS

1. Establishing study objectives
2. Preliminary considerations relating to study design
3. Types of blinding
4. Controls used in clinical studies
5. Classification of study designs
6. Sample size and number of parts of a study
7. Randomization procedures
8. Screening, baseline, treatment, and posttreatment periods
9. Patient population, methodologies, and measurements
10. Dosing schedule
11. Considerations of pharmacokinetics and drug interactions
12. Forms of drugs
13. Routes of administration

SECTION II. DEVELOPING AND WRITING CLINICAL PROTOCOLS

14. Formulating an approach to developing a protocol
15. Establishing criteria for patient inclusion
16. Identifying, choosing, and evaluating efficacy parameters
17. Identifying and choosing safety parameters
18. Modifying dosing schedules and developing compliance checks
19. Developing time and events schedules
20. Preparing, packaging, and dispensing of study drugs
21. Preparing the introduction
22. Standardized information across protocols (polishing the boilerplate)
23. Regulatory, patent, and legal considerations
24. Ethical considerations
25. Completing and reviewing the initial draft
26. Improving the protocol
27. Preparing data collection forms
28. Instructions for patients, investigators, and study personnel
29. Continuation protocols
30. Comments on multicenter studies

SECTION III. PLANNING AND CONDUCTING CLINICAL STUDIES

31. Introduction
32. Interview and selection of investigators
33. Clinical study initiation
34. Prestudy roundtable meeting
35. Conducting the clinical study
36. Monitoring and troubleshooting a study
37. Clinical study termination
38. Clinical study data entry and analysis

Appendix 1: Sources of bias

Appendix 2: Prototype tables and figures for the safety section of a final medical report

References
Subject index

112

Authors: Streiner D.L. (editor)
Title: FDQ Epidemiology
Year: 1988
Publisher: B. C. Decker, Inc.
Language: English *Length:* 128 p. *Cost:* US\$ 14.95

Description: An entertaining, plain-spoken, easy-to-read, and clear introduction to epidemiologic concepts, designs, and interpretations as applied to classical epidemiology and to studies of drugs effects and disease causation. Heavily illustrated and generous with examples (designated as "Convoluting Reasoning or Anti-Intellectual Pomposity Detectors" or C.R.A.P. Detectors). Carefully selected references for further self-education in critical judgment.

TABLE OF CONTENTS:

1. Introduction to Epidemiology
Definitions
Trends in Epidemiology
Current Applications of Epidemiology
Summary
2. Research Methodology
Design Elements
Sampling
Subject Allocation
Threats to Validity
Epidemiologic Research Strategies
C.R.A.P. Detectors
3. Measurement
Issues in Choosing a Measure
Types of Variables
Measurement with Categorical Variables
Measurement with Continuous Variables
C.R.A.P. Detectors
4. Assessing Causation
The Criteria
C.R.A.P. Detectors
- Appendix
A Brief Epidemiology-English Dictionary

113

Authors: Susser M.
Title: Causal Thinking in the Health Sciences. Concepts and Strategies of Epidemiology.
Year: 1973
Publisher: Oxford University Press
Language: English *Length:* 171 p. *Cost:* OOP

Description:

TABLE OF CONTENTS

1. The scope of epidemiology
 2. The evolution of concepts in epidemiology
 - The concept of environment: Hippocrates
 - The concept of specific agents
 - The concept of the host and immunity
 3. Agent, host, and environment as an ecological system
 - Abstracting variables from ecological models
 - Uses of models
 4. The logic of multiple causes
 - Frames of reference in causal models
 5. Systems and levels of organization
 - Direct and indirect cause
 - Ecological fallacies
 6. Procedures for establishing causal associations
 - Types of association between variables
 - Symmetrical relationships
 - Asymmetrical relationships
 - Reciprocal relationships
 - Associations and logical inference: Mill's canons
 7. Simplifying the conditions of observation
 8. Screening causal models for extraneous factors
 - Hypothetical causal variables
 - Control variables
 - Uncontrolled variables
 - Confounding variables
 - Distorter variables
 - Suppressor variables and refinement
 9. Elaborating the association between variables
 - Simple antecedent variables
 - Explanatory variables
 - Intervening variables
 - Moderator variables
 - Component variables
 10. Using notions of probability
 11. Criteria of judgment
 - Time sequence
 - Consistency and replication
 - Strength of association
 - Specificity of association
 - Coherent explanation
- Subject index

115

Authors: Vaughan J.P. and Morrow R.H. (editors)
Title: Manual of Epidemiology for District Health Management.
Year: 1989
Publisher: World Health Organization
Language: English *Length:* 198 p. *Cost:* Sw.Fr. 35.00

Description: This is a practical guide that should be of use to district health managers everywhere. The rational management of health services requires accurate information about the distribution, frequency and determinants of the important health problems in the area. This manual explains, in simple terms, how reliable epidemiological data can be collected and used by general health workers at the district level. Topics include basic concepts and principles, collection of demographic data, routine health surveillance, the organization of special surveys and the control of epidemics. Analysis and presentation of results are given detailed consideration. (excerpts from the back cover).

TABLE OF CONTENTS

SECTION I INTRODUCTION

- 1 The Epidemiological Perspective
 - 2 Epidemiological Responsibilities of the Health Officer and Team
- SECTION II ROUTINE EPIDEMIOLOGICAL METHODS
- 3 Characteristics of the Population
 - 4 Community Diagnosis
 - 5 Surveillance
 - 6 Investigation of an Epidemic
- SECTION III SPECIAL INVESTIGATIONS
- 7 Planning an Epidemiological Investigation
 - 8 Implementing and Epidemiological Investigation
 - 9 Logistical Aspects
- SECTION IV TOOLS IN EPIDEMIOLOGY
- 10 Design of forms
 - 11 Data Processing
 - 12 Tabulation of Data
 - 13 Diagrammatic presentation of Data
 - 14 Writing a report
- EPILOGUE ANNEXES
- A Ethical considerations concerning epidemiological research in developing countries

114

Authors: Tunstall Pedoe H. and Smith W.C.S. (editors)
Title: MCQs in Epidemiology and Community Medicine. (MCQs : Multiple Choice Questions).
Year: 1987
Publisher: Churchill Livingstone, Inc.
Language: English *Length:* 87 p. *Cost:* ?

Description: The questions follow a common pattern for British multiple choice questions, in that each stem question is followed by five branches. Each branch, together with its stem, constitutes a complete statement. There are 110 questions, constituting 550 statements. They are organized into five papers of 22 questions each. There are detailed explanations of the answers, so that the student can test his progress. The level of knowledge tested is quite comprehensive. Each paper has six questions on general principles, six on the specific epidemiology of common or topical chronic diseases, five on health services, and five on infectious diseases and prevention. (excerpts from the preface).

TABLE OF CONTENTS:

- Paper One - Questions
- Paper One - Answers
- Paper Two - Questions
- Paper Two - Answers
- Paper Three - Questions
- Paper Three - Answers
- Paper Four - Questions
- Paper Four - Answers
- Paper Five - Questions
- Paper Five - Answers

116

Authors: Wassertheil Smoller S.
Title: Biostatistics and Epidemiology - A Primer for Health Professionals
Year: 1989
Publisher: Springer Verlag
Language: English *Length:* 119 p. *Cost:* ?

Description: The book focuses on the underlying framework of the field and offers practical guidelines for research and interpretation. In addition to major sections devoted to statistics and epidemiology, it includes a comprehensive exploration of the scientific method, probability, and clinical trials. The book describes principles and methods applicable to medicine, public health, psychology, and education, and will be useful not only to physicians doing clinical as well as basic research, but also to students at the undergraduate, graduate, and medical school levels.

TABLE OF CONTENTS

- Preface
- Acknowledgments
- Section 1 - The Scientific Method
- Section 2 - A little bit of Epidemiology
- Section 3 - Mostly about Statistics
- Section 4 - Mostly about Epidemiology
- Section 5 - Mostly about Clinical Trials
- Bibliography
- Appendix A
- Appendix B
- Appendix C
- Appendix D
- Appendix E
- Book Titles
- Index

- B Table of Random Numbers
- C Illustrative Examples
- D Acknowledgements

117

Authors: Werner, D.
Title: Where There Is No Doctor -- a village health care handbook.
Year: 1980
Publisher: Macmillan Publishers
Language: Length: 440 p. Cost: ?

Description: This is more than a book on first aid. It covers a wide range of things that affect the health of the villager -- from diarrhoea to tuberculosis, from helpful and harmful home remedies to the cautious use of certain modern medicines. Special importance is placed on cleanliness, a healthy diet, and vaccinations. The book also covers in detail both childbirth and family planning. Not only does it help the reader realize what he can do for himself, but it helps him recognize which problems need the attention of an experienced health worker. (excerpts from the back cover).

119

Authors: Whimbey A. and Lochhead J.
Title: Instructor's Guide for Problem Solving and Comprehension. A Short Course in Analytical Reasoning. (3rd Edition)
Year: 1982
Publisher: The Franklin Institute Press
Language: English Length: 37 p. Cost: ?

Description: This is a practical text in analytical reasoning for students from junior high school through college. It shows students how good thinkers read complicated material, organize information, and solve problems. Then it provides guided practice in these activities of reasoning. The thinking patterns that are reinforced underlie success in comprehending textbooks, solving math and science problems, mastering the content of academic course work, and functioning in many technical occupations. (excerpts from page 1).

118

Authors: Werner, D. and Bower B.
Title: Helping Health Workers Learn.
Year: 1986
Publisher: The Hesperian Foundation
Language: English Length: 606 p. Cost: ?

Description: This book is a collection of methods, aids, and "triggers of the imagination". It is written in clear, fairly basic English, for use by village instructors who may have limited formal education. Hundreds of drawings and photographs emphasize the key points. Although many of the teaching ideas were developed in Latin America, methods and experiences from at least 35 countries are discussed. One section of the book concerns helping health workers learn how to use the village health care handbook, "Where There Is No Doctor", by David Werner. The book has been written especially for instructors and health workers who identify with the working people and who feel that their first responsibility is to the poor. (from the back cover).

120

Authors: World Health Organization (WHO)
Title: Teaching Epidemiology in Occupational Health.
Year: 1987
Publisher: National Institute for Occupational Safety and Health and WHO
Language: English Length: 300+ p. Cost: ?

Description:

TABLE OF CONTENTS, PART I

- A. Index
 - Preface
 - Editors
 - Authors
 - Meeting Participants
 - Content of Cases
 - Distribution of Users
 - Introduction
- B. Vinyl Chloride and Lung Cancer
 - Henry Falk, Richard Waxweiler, Clark Heath
 - Revised
- C. Occupational Neurological Disease
 - Philip Landrigan, Revised
- D. Lung Cancer in Chemical Workers
 - William Halperin, Revised.
- E. Urinary Symptoms in Polyurethane Foam Workers
 - Kathleen Kreiss, Revised
- F. Gynaecomastia in Estrogen Exposed Workers
 - J. Malcolm Harrington, Revised
- G. Lead and Renal Abnormalities
 - Michael Thun, Edward Baker
- H. Washington Surveillance Programme, Arsenic Experience, A Case Study
 - Sam Milham, Revised
- I. Male Occupational Reproductive Disease
 - M. Donald Whorton
- J. Mesothelioma in Railroad Workers
 - Martin Sepulveda, Revised
- K. Hypersensitivity Pneumonitis in an Office Building (A new form of occupational lung disease)
 - Michael Hodgson, Philip R. Morey
- L. Cancer Mortality in a Die Casting and Electroplating Plant
 - Michael A. Silverstein, Revised
- M. Leukemia in Nuclear Shipyard Workers (Uses and pitfalls of proportional mortality studies)
 - Michael Thun, Jay Beaumont, Revised
- N. Mining, Smoking and Lung Cancer (Problems of interaction and quantification of risk)
 - Olav Axelson
- O. Mortality Study Testing a Possible Association between Occupational Exposure to Formaldehyde and Cancer
 - Pier Bertazzi, Revised
- P. Exposure-Response; Relationship between Exposure Styrene and Central Nervous Functions
 - Sven Hernberg, Hannu Harkonen, Revised
- Q. Occupational Asthma due to Platinum Salts
 - Dean Baker, Revised
- R. Pesticide Poisoning among Antimalaria Workers
 - J. Jeyaratnam, Revised
- S. Chronic Respiratory Disease in Cotton Textile Workers
 - Gamal El-Samra, Revised
- T. Farmer's Lung
 - Gu Xue-Qi, Lu Pei-Lian, Shen Yi-E

121

Authors: World Health Organization (WHO)
Title: Environmental Health Criteria 27 - Guidelines on Studies in Environmental Epidemiology.

Year: 1983

Publisher: World Health Organization

Language: English *Length:* 349 p. *Cost:* Sw.Fr. 26.00

Description: A Practical guide to the conduct of epidemiological studies on the effects of non-biological agents on the health of human communities. Emphasis is placed on the use of cross-sectional and prospective follow-up studies. Comprehensive in scope, the book offers guidance on the design of epidemiological studies, the assessment of exposure to a wide variety of environmental agents, the measurement of a broad range of health effects, the organization and conduct of studies, the analysis and interpretation of data, and the reporting of results. Readers are also given information on the techniques and problems of exposure assessment, including air pollution, food and water pollution, noise vibration, and radiation.

TABLE OF CONTENTS

PREFACE

1. Introduction
 - 1.1 Interrelationships with toxicological studies
 - 1.2 Design
 - 1.3 Environmental agents and assessment of exposures
 - 1.4 Effects on health
 - 1.5 Organization and conduct
 - 1.6 Analysis and interpretation of results
 - 1.7 Uses of epidemiological information
2. Study designs
 - 2.1 Introduction
 - 2.2 Preliminary review of state of knowledge
 - 2.3 Descriptive studies and use of existing records
 - 2.4 Formulation of hypotheses
 - 2.5 Cross-sectional studies
 - 2.6 Prospective and follow-up studies
 - 2.7 Retrospective cohort studies
 - 2.8 Time-series studies
 - 2.9 Case-control studies
 - 2.10 Controlled exposure studies
 - 2.11 Monitoring and surveillance
3. Assessment of exposure
 - 3.1 Introduction
 - 3.2 Exposure and dose
 - 3.3 Combined exposure, physical and chemical interactions
 - 3.4 Qualitative assessment of exposure
 - 3.5 Environmental assessment of exposure
 - 3.6 Personal sampling
 - 3.7 Biological assessment of exposure
 - 3.8 Assessment of the subjective environment
 - 3.9 Interindividual and intergroup variability in exposure: population at risk
 - 3.10 Outdoor/indoor exposure
 - 3.11 Time-weighted exposure
4. Health effects, their measurement and interpretation
 - 4.1 Introduction
 - 4.2 Mortality and morbidity statistics
 - 4.3 Cancer
 - 4.4 Respiratory and cardiovascular effects
 - 4.5 Effects on nervous system and organs of sense
 - 4.6 Behavioural effects
 - 4.7 Haemopoietic effects
 - 4.8 Effects on the musculoskeletal system and growth
 - 4.9 Effects on skin
 - 4.10 Reproductive effects
 - 4.11 Effects on other major internal organs
5. Organization and conduct of studies
 - 5.1 Introduction
 - 5.2 Study protocol
 - 5.3 Ethical and legal considerations
 - 5.4 Time schedule of study
 - 5.5 Composition of the study team
 - 5.6 Implementation of study
 - 5.7 International collaborative studies
6. Analysis, interpretation and reporting
 - 6.1 Introduction
 - 6.2 Data preparation
 - 6.3 Data description (or reduction)
 - 6.4 Analysis and interpretation
 - 6.5 Reporting
7. Uses of epidemiological information
 - 7.1 Introduction
 - 7.2 Communication with the public
 - 7.3 Important features and limitations of epidemiological information
 - 7.4 Standard setting
 - 7.5 Assessment of effectiveness of control measures taken
 - 7.6 Policy of openness

U. Epidemiology in Planning and Development of occupational health services
M.A. El Batawi, C. Husbunrer

PART II. INSTRUCTOR'S NOTES

122

Authors: World Health Organization (WHO)
Title: Critères d'hygiène de l'environnement 27 - Eléments d'éco-épidémiologie.

Year: 1986

Publisher: World Health Organization

Language: French *Length:* 398 p. *Cost:* Sw.Fr. 26.00

Description:

TABLE DES MATIERES

PREFACE

1. INTRODUCTION

- 1.1 Relations avec les études toxicologiques
- 1.2 Plans d'étude
- 1.3 Agents environnementaux et évaluation de l'exposition
- 1.4 Effets sur la santé
- 1.5 Organisation et conduite des études
- 1.6 Analyse et interprétation des résultats
- 1.7 Applications des données épidémiologiques

BIBLIOGRAPHIE

2. PLANS D'ETUDE

- 2.1 Introduction
- 2.2 Inventaire préliminaire des connaissances acquises
- 2.3 Etudes descriptives et utilisations des états existants
- 2.4 Formulation d'hypothèses
- 2.5 Etudes transversales
- 2.6 Etudes prospectives et études de suivi
- 2.7 Etudes rétrospectives de cohorte
- 2.8 Etudes chronologiques
- 2.9 Etudes cas-témoins
- 2.10 Etudes d'exposition contrôlée
- 2.11 Surveillance

BIBLIOGRAPHIE

3. EVALUATION DE L'EXPOSITION

- 3.1 Introduction
- 3.2 Exposition et dose
- 3.3 Exposition combinée, interactions physiques et chimiques
- 3.4 Evaluation qualitative de l'exposition
- 3.5 Evaluation environnementale de l'exposition
- 3.6 Echantillonnage individuel
- 3.7 Evaluation biologique de l'exposition
- 3.8 Evaluation de l'environnement subjectif
- 3.9 Variations de l'exposition d'un sujet ou d'un groupe à l'autre: population exposée
- 3.10 Exposition extérieure/intérieure
- 3.11 Exposition pondérée par rapport au temps

BIBLIOGRAPHIE

4. EFFETS SUR LA SANTE: MESURE ET INTERPRETATION

- 4.1 Introduction
- 4.2 Statistiques de mortalité et de morbidité
- 4.3 Cancer
- 4.4 Effets respiratoires et cardio-vasculaires
- 4.5 Effets sur le système nerveux et les organes sensoriels
- 4.6 Effets comportementaux
- 4.7 Effets hématopoïétiques
- 4.8 Effets sur l'appareil musculo-squelettique et sur la croissance
- 4.9 Effets sur la peau
- 4.10 Effets sur la reproduction
- 4.11 Effets sur les autres principaux viscères

BIBLIOGRAPHIE

5. ORGANISATION ET CONDUITE DES ETUDES

- 5.1 Introduction
- 5.2 Protocole de l'étude
- 5.3 Considérations éthiques et juridiques
- 5.4 Calendrier de l'étude
- 5.5 Composition de l'équipe
- 5.6 Mise en oeuvre de l'étude
- 5.7 Etudes concertées internationales

BIBLIOGRAPHIE

6. ANALYSE, INTERPRETATION ET COMPTE-RENDU

- 6.1 Introduction
- 6.2 Préparation des données
- 6.3 Description (ou réduction) des données
- 6.4 Analyse et interprétation des données
- 6.5 Etablissement des rapports

BIBLIOGRAPHIE

7. UTILISATION DES DONNEES EPIDEMIOLOGIQUES

- 7.1 Introduction
- 7.2 Communication avec le public
- 7.3 Principales caractéristiques et limites des données épidémiologiques
- 7.4 Fixation de normes
- 7.5 Evaluation de l'efficacité des mesures de lutte adoptées
- 7.6 Politique d'ouverture

BIBLIOGRAPHIE

123

Authors: World Health Organization (WHO)
Title: The Place of Epidemiology in Local Health Work -- The Experience of a Group of Developing Countries.
Year: 1982
Publisher: World Health Organization (WHO offset publication No 70)
Language: English *Length:* 43 p. *Cost:* Sw.Fr. 8.00

Description: This book, based on an analysis of experience in 13 countries, suggests ways in which epidemiological methods can be used by all community health workers with the help and supervision of other members of the health team. The supervisors themselves need to be introduced to the epidemiological approach described here, which has great potential value for primary health care. This is not only a text for trainers of community health workers and for health educators. The approach it describes should also be constantly in the minds of the managers of health services and of those who are responsible for overall strategies for health development. (copied from the back cover).

TABLE OF CONTENTS:

1. Introduction
 - 1.1 Background
 - 1.2 The origin of this publication
 2. The community health worker
 - 2.1 Categories and functions of community health workers in different countries
 - 2.2 A summary of the functions of community health workers
 3. Epidemiological thinking
 - 3.1 The place of epidemiological thinking in local health work
 - 3.2 Some example of community health workers' reasoning in terms of collective health
 - 3.3 A generalization of the epidemiological method
 - 3.4 Conclusions
 4. Epidemiological tools
 - 4.1 Examples of epidemiological tools and of their use
 - 4.2 Other tools for the peripheral health worker
 - 4.3 Display of the data
 5. Benefits of bringing epidemiology to the periphery of health care
 6. Incorporating epidemiology into peripheral health care systems
 - 6.1 Training the community health worker
 - 6.2 Supervising the community health worker
 - 6.3 Application at the national level
 - 6.4 Regional and international collaboration
- Acknowledgements
References
Annex 1: Epidemiological tools and techniques which may be applied by community health workers
Annex 2: A way of describing an epidemiological tool or technique
Annex 3: Participants to the project

124

Authors: World Health Organization (WHO)
Title: Health Hazards of the Human Environment.
Year: 1973
Publisher: World Health Organization
Language: English *Length:* 387 p. *Cost:* Sw.fr. 44.00

Description: In July 1972, the United Nations Conference on the Human Environment held in Stockholm focused worldwide attention on the environmental hazards that threaten human health. Areas where action is particularly needed include: 1) Basic environmental health and sanitation; 2) International agreements on criteria, guides & codes of practice; 3) Development and coordination of epidemiological health surveillance; 4) Stimulating research and training personnel. To facilitate work in these areas, WHO has compiled this wide-ranging survey of environmental hazards to human health for the benefit of health authorities and others concerned with environmental problems. (excerpts from the preface).

D1

Authors: Alderson A.
Title: An Introduction to Epidemiology.

Publisher: The MacMillan Press Ltd.
Language: English *Length:* 223 p. *Cost:* ? *Year:* 1976

D3

Authors: Hoey J., Lambert R.
Title: Éléments d'épidémiologie pour le clinicien

Publisher: Edition du CNRS
Language: French *Length:* ? *Cost:* ? *Year:* 1981

D5

Authors: Philippe P.
Title: Epidémiologie pratique

Publisher: Editions Vigot Frères
Language: French *Length:* ? *Cost:* ? *Year:* 1985

D7

Authors: Roberts C.J.
Title: Epidemiology for Clinicians.

Publisher: Pitman Medical Publishing Company, Ltd.
Language: English *Length:* 194 p. *Cost:* ? *Year:* 1977

D9

Authors: Wellcome Tropical Institute (The)
Title: A 9-part Manual for Distance Learning in Tropical Countries.

Publisher: The Wellcome Tropical Institute
Language: English *Length:* 259 p. *Cost:* ? *Year:* 1987

D2

Authors: Gordis L. (editor)
Title: Epidemiology and Health Risk Assessment

Publisher: Oxford University Press
Language: English *Length:* 316 p. *Cost:* £35.00 *Year:* 1987

D4

Authors: Lutz W.
Title: Interviewing and Recording. (Nr 5 in the series: Community Health Surveys: A Practical Guide for Health Workers.)

Publisher: International Epidemiological Association and WHO
Language: English *Length:* ? *Cost:* ? *Year:* ?

D6

Authors: Phillips D.S.
Title: Basic Statistics for Health Science Students.

Publisher: W.H. Freeman and Company
Language: English *Length:* 185 p. *Cost:* US\$ 10.95 *Year:* 1978

D8

Authors: Van der Heyden A. and Courtejoie J.
Title: Statistique Sanitaire.

Publisher: L'Harmattan
Language: French *Length:* 110 p. *Cost:* ? *Year:* 1984

Ce document a été préparé pour le Réseau Mondial d'Eco-Epidémiologie de l'OMS.

En 1987, l'Organisation mondiale de la Santé créait le Réseau espérant ainsi développer une meilleure communication entre les établissements et les particuliers engagés dans la formation et la recherche, et autres applications épidémiologiques, en éco-épidémiologie et en hygiène de travail.

Une série de documents contenant des informations utiles pour la formation et le développement de la recherche est préparée pour le Réseau et des listes de participants sont distribuées régulièrement. Des ateliers de formation et de promotion de la recherche sont organisés en collaboration avec des agences nationales et internationales.

Pour de plus amples informations, merci d'écrire à:

**Eco-Epidémiologie
Division de l'Hygiène du milieu
Organisation mondiale de la Santé
1211 Genève 27
Suisse**