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The Natural History of HIV Infection -- Epidemiologic Approaches --Animal Models -- Antiviral Agents -- Vaccines -- Social Science Research Needs -- Funding for Research on AIDS and HIV --INTERNATIONAL ASPECTS OF AIDS AND HIV INFECTION -- Rationale for U.S. International Involvement -- Risks of Infection Outside the United States -- International Research Opportunities -- GUIDANCE FOR THE NATION'S EFFORTS -- What Is Needed? -- Establishment of the Commission -- MAJOR RECOMMENDATIONS -- 2 Understanding of the Disease and Dimensions of the Epidemic -- THE CAUSATIVE AGENT OF AIDS -- Features of Retroviruses -- Related Viruses -- PATHOGENESIS OF AIDS -- NATURAL HISTORY OF THE DISEASE -- CLINICAL MANIFESTATIONS OF HIV INFECTION -- Opportunistic Infections --Kaposi's Sarcoma -- Other Malignancies -- Neurologic Complications Associated with HIV Infection -- Pediatric AIDS -- MODES OF **TRANSMISSION OF HIV -- Sexual Transmission -- Parenteral** Transmission. Maternal-Infant Transmission -- POPULATION GROUPS AT INCREASED RISK OF HIV INFECTION -- Homosexual Men -- Intravenous Drug Users -- Hemophiliacs -- Recipients of Blood Transfusions -- Heterosexual Contacts of HIV-Infected Persons -- Infants and Children -- Health Care Workers -- EPIDEMIOLOGIC STUDIES AND FINDINGS --Surveillance -- National Disease Reporting -- Epidemiologic Research -- Case-Control Studies -- Prospective Cohort Studies -- Serologic Surveys -- Findings of Epidemiologic Studies -- The Prevalence of HIV Infection -- AIDS Cases By Risk Group -- AIDS Case Trends by Geographic Area -- AIDS Case Trends by Sex, Race, and Age -- AIDS Case Trends in Disease Presentation and Mortality -- HIV INFECTION AND AIDS OUTSIDE THE UNITED STATES -- African Countries -- Other Countries -- REFERENCES -- 3 The Future Course of the Epidemic and Available National Resources -- PROJECTIONS BY THE PUBLIC HEALTH SERVICE -- PROBLEMS IN MAKING PROJECTIONS -- THE EPIDEMIC WITHIN AND BEYOND HIGH-RISK GROUPS -- THE PROPORTION OF SEROPOSITIVE INDIVIDUALS WHO WILL DEVELOP AIDS -- LONG-TERM PROSPECTS -- NATIONAL RESOURCES FOR DEALING WITH AIDS AND HIV -- Impediments to Involvement -- Mechanisms for Coordinating Activities -- REFERENCES -- 4 Opportunities for Altering the Course of the Epidemic -- PUBLIC EDUCATION -- What Should Be the Content of Public Education? -- What Are the Aims of Public Education? -- Who Needs Education? -- Who Should Do the Educating? -- Assessing Educational Interventions -- A Special Case-Changing Behavior among IV Drug Users -- Drug Abuse Treatment Programs -- Distribution of Sterile Needles and Syringes -- Recommendations -- PUBLIC HEALTH MEASURES -- Tests for Infection with HIV -- Blood Banking --Surveillance -- Reporting Schemes -- Contact Tracing and Notification -- Mandatory Screening -- Voluntary Testing -- Compulsory Measures. Compulsory Measures among Institutionalized Populations --Compulsory Closing and Regulation of Facilities -- Recommendations -- FUNDING FOR EDUCATION AND OTHER PUBLIC HEALTH MEASURES

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