

Table of Contents

| | |
|--|------|
| List of Tables | iv |
| List of Figures | viii |
| List of Maps | x |
| Introduction | 1 |
| Technical Notes | 2 |
| Explanation of No Identified Risk (NIR) Cases | 3 |
| Executive Conclusions | 4 |
| Chapter 1: West Virginia Demographic Data | 5 |
| Chapter 2: AIDS in West Virginia | 13 |
| Chapter 3: HIV Infection in West Virginia | 29 |
| Chapter 4: AIDS and HIV Comparison in West Virginia | 45 |
| Chapter 5: District to State Comparison of HIV/AIDS in West Virginia | 57 |
| Chapter 6: Partner Notification in West Virginia | 63 |
| Chapter 7: Tuberculosis in West Virginia | 67 |
| Chapter 8: Sexually Transmitted Diseases in West Virginia | 75 |
| Chapter 9: West Virginia HIV Counseling and Testing | 81 |
| Glossary of Terms | 85 |

List of Tables

| | |
|--|----|
| Table 1.1: West Virginia Population by Gender, Age, and Race, 1990 | 9 |
| Table 1.2: West Virginia Population by Race and Public Health District, 1990 | 10 |
| Table 1.3: Top Three West Virginia Counties with Highest Percentage of Non-White Population, 1990 | 11 |
| Table 1.4: West Virginia Resident Births by Mother's Age Group, 1990 | 12 |
| ***** | |
| Table 2.1: West Virginia AIDS Cases by Year of Report and Diagnosis, 1984 - 2000 | 14 |
| Table 2.2: West Virginia Percent of AIDS Cases Comparison, by Age Group, Sex, Race, Risk Behavior, by Year of Report, 1984 - 2000 | 15 |
| Table 2.3: West Virginia AIDS and HIV Infection Cases and People Living with HIV/AIDS by Year of Report, AIDS 1984 - 2000, HIV 1989 - 2000 | 16 |
| Table 2.4: West Virginia AIDS Cases Among MSM by Age Group, 1984 - 2000 | 17 |
| Table 2.5: West Virginia AIDS Cases Among MSM by Race, 1984 - 2000 | 17 |
| Table 2.6: West Virginia AIDS Cases Among IDU by Age Group, 1984 - 2000 | 18 |
| Table 2.7: West Virginia AIDS Cases Among IDU by Gender, 1984 - 2000 | 18 |
| Table 2.8: West Virginia AIDS Cases Among IDU by Race, 1984 - 2000 | 18 |
| Table 2.9: West Virginia AIDS Cases Among Heterosexuals by Age Group, 1984 - 2000 | 19 |
| Table 2.10: West Virginia AIDS Cases Among Heterosexuals by Gender, 1984 - 2000 | 19 |
| Table 2.11: West Virginia AIDS Cases Among Heterosexuals by Race, 1984 - 2000 | 19 |
| Table 3.12: West Virginia AIDS Cases by Age Group and Gender, 1984 - 2000 | 20 |
| Table 3.13: West Virginia AIDS Cases by Age Group and Race, 1984 - 2000 | 21 |

| | |
|---|----|
| Table 2.14: West Virginia AIDS Cases by Risk Behavior and Gender, 1984 - 1990, 1991 - 1995, and 1996 - 2000 | 22 |
| Table 2.15: West Virginia AIDS Cases Among Males by Risk Behavior and Race, 1996 - 2000 | 25 |
| Table 2.16: West Virginia AIDS Cases Among Females by Risk Behavior and Race, 1996 - 2000 | 26 |
| ***** | |
| Table 3.1: West Virginia HIV Infection Cases by Year of Report, 1989 - 2000 | 30 |
| Table 3.2: West Virginia Percent of HIV Infection Cases, by Age Group, Sex, Race, Risk Behavior, and Year of Report, 1989 - 2000 | 31 |
| Table 3.3: West Virginia HIV Infection Cases Among MSM by Age Group, 1989 - 2000 | 32 |
| Table 3.4: West Virginia HIV Infection Cases Among MSM by Race, 1989 - 2000 | 32 |
| Table 3.5: West Virginia HIV Infection Cases Among IDU by Age Group, 1989 - 2000 | 33 |
| Table 3.6: West Virginia HIV Infection Cases Among IDU by Gender, 1989 - 2000 | 33 |
| Table 3.7: West Virginia HIV Infection Cases Among IDU by Race, 1989 - 2000 | 33 |
| Table 3.8: West Virginia HIV Infection Cases Among Heterosexuals by Age Group, 1989 - 2000 | 34 |
| Table 3.9: West Virginia HIV Infection Cases Among Heterosexuals by Gender, 1989 - 2000 | 34 |
| Table 3.10: West Virginia HIV Infection Cases Among Heterosexuals by Race, 1989 - 2000 | 34 |
| Table 3.11: West Virginia HIV Infection Cases by Age Group and Gender, 1989 - 2000 | 35 |
| Table 3.12: West Virginia HIV Infection Cases by Age Group and Race, 1989 - 2000 | 36 |
| Table 3.13: West Virginia HIV Infection by Risk Behaviors by Gender, 1989 - 1995 and 1996 - 2000 | 37 |
| Table 3.14: West Virginia HIV Infection Cases Among Males by Risk Behavior and Race, 1996 - 2000 | 40 |

| | |
|---|----|
| Table 3.15: West Virginia HIV Infection Cases Among Females by Risk Behavior and Race, 1996 - 2000 | 41 |
| ***** | |
| Table 4.1: West Virginia AIDS and HIV Infection Cases by Age Group, Gender, Race, and Risk Behavior, Cumulative through 2000, AIDS 1984 - 2000, HIV 1989 - 2000 | 46 |
| Table 4.2: West Virginia People Living with HIV/AIDS by Age Group, Gender, Race, and Risk Behavior, AIDS 1984 - 2000, HIV 1989 - 2000 | 47 |
| Table 4.3: West Virginia AIDS and HIV Infection Cases by Age Group and Gender Cumulative through 2000, AIDS 1984 - 2000, HIV 1989 - 2000 | 48 |
| Table 4.4: West Virginia People Living with HIV/AIDS by Age Group and Gender, AIDS 1984 - 2000, HIV 1989 - 2000 | 48 |
| Table 4.5: West Virginia AIDS and HIV Infection Cases by Age Group and Race Cumulative through 2000, AIDS 1984 - 2000, HIV 1989 - 2000 | 49 |
| Table 4.6: West Virginia People Living with HIV/AIDS by Age Group and Race, AIDS 1984 - 2000, HIV 1989 - 2000 | 49 |
| Table 4.7: West Virginia AIDS and HIV Infection Cases by Risk Behavior and Race Cumulative through 2000, AIDS 1984 - 2000, HIV 1989 - 2000 | 50 |
| Table 4.8: West Virginia People Living with HIV/AIDS by Risk Behavior and Race, AIDS 1984 - 2000, HIV 1989 - 2000 | 50 |
| Table 4.9: West Virginia AIDS and HIV Infection Cases and People Living with HIV/AIDS by Year of Report, AIDS 1984 - 2000, HIV 1989 - 2000 | 51 |
| Table 4.10: West Virginia AIDS and HIV Infection Cases Cumulative and Alive by Age Group, AIDS 1984 - 2000, HIV 1989 - 2000 | 52 |
| Table 4.11: West Virginia AIDS and HIV Infection Cases Cumulative and Alive by Gender, AIDS 1984 - 2000, HIV 1989 - 2000 | 53 |
| Table 4.12: West Virginia AIDS and HIV Infection Cases Cumulative and Alive by Race, AIDS 1984 - 2000, HIV 1989 - 2000 | 54 |

| | |
|---|----|
| Table 4.13: West Virginia AIDS and HIV Infection Cases Cumulative and Alive by Risk Behavior, AIDS 1984 - 2000, HIV 1989 - 2000 | 55 |
| ***** | |
| Table 5.1: West Virginia AIDS and HIV Infection Cases, People Living with HIV/AIDS, and Percent Population by Public Health District, AIDS 1984 - 2000, HIV 1989 - 2000 | 58 |
| Table 5.2: West Virginia AIDS Cases Comparison by Public Health District, Age Group, Gender, Race, and Risk Behavior 1984 - 2000 | 59 |
| Table 5.3: West Virginia HIV Infection Cases Comparison by Public Health District, Age Group, Gender, Race, and Risk Behavior 1989 - 2000 | 60 |
| Table 5.4: West Virginia People Living with HIV/AIDS Comparison by Public Health District, Age Group, Gender, Race, and Risk Behavior AIDS 1984 - 2000, HIV 1989 - 2000 | 61 |
| ***** | |
| Table 6.1: Partner Counseling and Referral Services 2000 | 65 |
| ***** | |
| Table 7.1: West Virginia Matching of Tuberculosis and AIDS Cases, 1984 - 2000 | 68 |
| Table 7.2: West Virginia Tuberculosis Mortality, 1984 - 2000 | 71 |
| ***** | |
| Table 8.1: West Virginia Chlamydia Cases and Rates by Race and Year of Report, 1996 - 2000 | 76 |
| Table 8.2: West Virginia Gonorrhea Cases and Rates by Race and Year of Report, 1996 - 2000 | 76 |
| Table 8.3: West Virginia Chlamydia and Gonorrhea Cases and Rates Among 15-19 Age Group by Year of Report, 1996 - 2000 | 76 |
| Table 8.4: West Virginia Chlamydia Cases by Public Health District, Percent of Total Cases Reported, 1996 - 2000 | 78 |
| Table 8.5: West Virginia Gonorrhea Cases by Public Health District, Percent of Total Cases Reported, 1996 - 2000 | 78 |
| Table 8.6: West Virginia Chlamydia Cases by Public Health District and Race, 2000 | 79 |

| | |
|---|----|
| Table 8.7: West Virginia Gonorrhea Cases by Public Health District and Race, 2000 | 79 |
|---|----|

| | |
|---|----|
| Table 9.1: West Virginia HIV Testing at AIDS Prevention Centers by Public Health District, 1998 - 2000 | 82 |
|---|----|

| | |
|--|----|
| Table 9.2: West Virginia Men and Women Receiving Federally Funded Anonymous or Confidential HIV Tests, Number and Percent of Positive Tests, by Race and Risk Behavior, 2000 | 83 |
|--|----|

| | |
|--|----|
| Table 9.3: West Virginia HIV Testing at AIDS Prevention Centers, Public Health District Comparison by Age Group, Gender, Race, and Risk Behavior, 2000 | 84 |
|--|----|

List of Figures

| | |
|---|---|
| Figure 1.1: Percent of Population Living Below Poverty Level in the U.S. and West Virginia, 1992, 1993, and 1998 | 6 |
|---|---|

| | |
|--|---|
| Figure 1.2: Median Household Income, U. S. and West Virginia, 1970, 1980, 1990, and 1998 Censuses | 6 |
|--|---|

| | |
|---|---|
| Figure 1.3: West Virginia Population by Age Group, 1990 | 9 |
|---|---|

| | |
|--|----|
| Figure 1.4: West Virginia's Birth by Age of Mother, 1990 | 12 |
|--|----|

| | |
|---|----|
| Figure 2.1: West Virginia AIDS Rates by Year of Report, 1984 - 2000 | 14 |
|---|----|

| | |
|--|----|
| Figure 2.2: West Virginia AIDS Cases and Deaths by Year of Report, 1984 - 2000 | 16 |
|--|----|

| | |
|--|----|
| Figure 2.3: West Virginia AIDS Cases Among MSM by Age Group, 1984 - 2000 | 17 |
|--|----|

| | |
|---|----|
| Figure 2.4: West Virginia AIDS Cases Among MSM by Race, 1984 - 2000 | 17 |
|---|----|

| | |
|---|----|
| Figure 2.5: West Virginia AIDS Cases Among IDU by Race, 1984 - 2000 | 18 |
|---|----|

| | |
|---|----|
| Figure 2.6: West Virginia AIDS Cases Among Hetrosexual Contact by Race, 1984 - 2000 | 19 |
|---|----|

| | |
|---|----|
| Figure 2.7: West Virginia AIDS Cases by Age Group and Gender, 1984 - 2000 | 20 |
|---|----|

| | |
|--|----|
| Figure 2.8: West Virginia AIDS Cases by Age Group and Race, 1984 - 2000 | 21 |
| Figure 2.9: West Virginia AIDS Cases by Gender, 1984 - 1990, 1991 - 1995, 1996 - 2000 | 22 |
| Figure 2.10: West Virginia AIDS Cases Among Males by Risk Behavior, 1996-2000 | 23 |
| Figure 2.11: West Virginia AIDS Cases Among Females by Risk Behavior, 1996- 2000 | 23 |
| Figure 2.12: West Virginia AIDS Cases Among Whites by Risk Behavior, 1996- 2000 | 24 |
| Figure 2.13: West Virginia AIDS Cases Among Blacks by Risk Behavior, 1996 - 2000 | 24 |
| Figure 2.14: West Virginia AIDS Cases Among Males by Risk Behavior and Race, 1996 - 2000 | 25 |
| Figure 2.15: West Virginia AIDS Cases Among Females by Risk Behavior and Race, 1996 - 2000 | 26 |
| ***** | |
| Figure 3.1: West Virginia HIV Cases by Year of Report, 1989 - 2000 | 30 |
| Figure 3.2: West Virginia HIV Infection Cases Among MSM by Age Group, 1989 - 2000 | 32 |
| Figure 3.3: West Virginia HIV Infection Cases Among MSM by Race, 1989 - 2000 | 32 |
| Figure 3.4: West Virginia HIV Infection Cases Among IDU by Race, 1989 - 2000 | 33 |
| Figure 3.5: West Virginia HIV Infection Cases Among Hetrosexuals by Race, 1989 - 2000 | 34 |
| Figure 3.6: West Virginia HIV Infection Cases by Age Group and Gender, 1989 - 2000 | 35 |
| Figure 3.7: West Virginia HIV Infection Cases by Age Group and Race, 1989 - 2000 | 36 |
| Figure 3.8: West Virginia HIV Infection Cases by Risk Behavior, 1989 - 2000 | 37 |
| Figure 3.9: West Virginia HIV Infection Cases Among Males by Risk Behavior, 1996-2000 | 38 |
| Figure 3.10: West Virginia HIV Infection Cases Among Females by Risk Behavior, 1996- 2000 | 38 |
| Figure 3.11: West Virginia HIV Infection Cases Among Whites by Risk Behavior, 1996- 2000 | 39 |
| Figure 3.12: West Virginia HIV Infection Cases Among Blacks by Risk Behavior, 1996 - 2000 | 39 |
| Figure 3.13: West Virginia HIV Infection Cases Among Males by Risk Behavior and Race, 1996 - 2000 | 40 |

| | |
|--|----|
| Figure 3.14: West Virginia HIV Infection Cases Among Females by Risk Behavior and Race, 1996 - 2000 | 41 |
|--|----|

| | |
|--|----|
| Figure 4.1: West Virginia AIDS and HIV Infection Cases and People Living with HIV/AIDS, AIDS 1984 - 2000, HIV 1989 - 2000 | 51 |
|--|----|

| | |
|---|----|
| Figure 4.2: West Virginia AIDS Cases by Gender, 1984 - 2000 | 52 |
|---|----|

| | |
|--|----|
| Figure 4.3: West Virginia HIV Infection Cases by Gender, 1989 - 2000 | 52 |
|--|----|

| | |
|--|----|
| Figure 4.4: West Virginia AIDS Cases by Age Group, 1984 - 2000 | 53 |
|--|----|

| | |
|---|----|
| Figure 4.5: West Virginia HIV Infection Cases by Age Group, 1989 - 2000 | 53 |
|---|----|

| | |
|---|----|
| Figure 4.6: West Virginia AIDS Cases by Race, 1984 - 2000 | 54 |
|---|----|

| | |
|--|----|
| Figure 4.7: West Virginia HIV Infection Cases by Race, 1989 - 2000 | 54 |
|--|----|

| | |
|--|----|
| Figure 4.8: West Virginia AIDS Cases by Risk Behavior, 1984 - 2000 | 55 |
|--|----|

| | |
|---|----|
| Figure 4.9: West Virginia HIV Infection Cases by Risk Behavior, 1989 - 2000 | 55 |
|---|----|

| | |
|--|----|
| Figure 5.1: West Virginia Percent of AIDS, HIV Infection Cases, and People Living with HIV/AIDS by Public Health District, AIDS 1984 - 2000, HIV 1989 - 2000 | 58 |
|--|----|

| | |
|---|----|
| Figure 7.1: West Virginia Tuberculosis Mortality Rates, 1984 - 2000 | 71 |
|---|----|

| | |
|--|----|
| Figure 7.2: West Virginia Tuberculosis Cases by Age Group, 1996 - 2000 | 72 |
|--|----|

| | |
|--|----|
| Figure 7.3: Tuberculosis Incidence Rates by Year of Report, West Virginia and U.S., 1940 - 2000 | 72 |
|--|----|

| | |
|--|----|
| Figure 7.4: West Virginia Tuberculosis Cases by Gender and Year of Report, 1994 - 2000 | 73 |
|--|----|

| | |
|--|----|
| Figure 7.5: West Virginia Tuberculosis Cases by Race and Year of Report, 1994 - 2000 | 73 |
|--|----|

| | |
|--|----|
| Figure 8.1: West Virginia Chlamydia Cases by Year of Report, 1987 - 2000 | 77 |
|--|----|

| | |
|---|----|
| Figure 8.2: West Virginia Gonorrhea Cases by Year of Report, 1987- 2000 | 77 |
|---|----|

| | |
|---|----|
| Figure 9.1: West Virginia Male Anonymous HIV Tests by Race, 2000 | 82 |
| Figure 9.2: West Virginia Male Confidential HIV Tests by Race, 2000 | 82 |
| Figure 9.3: West Virginia Female Anonymous HIV Tests by Race, 2000 | 82 |
| Figure 9.4: West Virginia Female Confidential HIV Tests by Race, 2000 | 82 |

List of Maps

| | |
|--|----|
| Map 1.1: Per Capita Income by County, West Virginia, 1990 | 7 |
| Map 1.2: Per Capita Income by District, West Virginia, 1990 | 7 |
| Map 1.3: Estimated Income by County, West Virginia, 1990 | 8 |
| Map 1.4: Estimated Income by District, West Virginia, 1990 | 8 |
| Map 1.5: West Virginia Percent Population by Public Health Districts, 1990 | 10 |
| Map 1.6: West Virginia Percent Population by County, 1990 | 11 |

| | |
|---|----|
| Map 2.1: Distribution of AIDS Cases by District, West Virginia, 1984 - 2000 | 27 |
| Map 2.2: Distribution of AIDS Rates by District, West Virginia, 2000 | 27 |
| Map 2.3: Distribution of AIDS Cases by County, West Virginia, 1984 - 2000 | 26 |

| | |
|--|----|
| Map 3.1: Distribution of HIV Infection Cases by District, West Virginia, 1989 - 2000 | 42 |
| Map 3.2: Distribution of HIV Infection Rates by District, West Virginia, 2000 | 42 |
| Map 3.3: Distribution of HIV Infection Cases by County, West Virginia, 1989 - 2000 | 43 |

| | |
|--|----|
| Map 7.1: Distribution of Tuberculosis Cases by County, West Virginia, 2000 | 69 |
|--|----|

Notes:
