



# HIV/STI and Adolescents

## 2010 UPDATE: HIV/AIDS and Sexually Transmitted Infections (STIs)

### IMPACT on ALL AGES

HIV/AIDS and sexually transmitted infections affect people of all ages.

South Carolina is home to three of the top 100 cities for cumulative AIDS case rates per 100,000 population.

- Columbia ranks #9 nationally.<sup>8</sup>
- Charleston ranks #22 nationally.<sup>8</sup>
- Greenville ranks #68 nationally.<sup>8</sup>

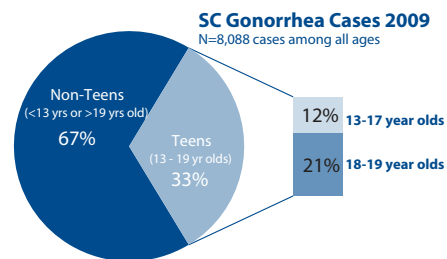
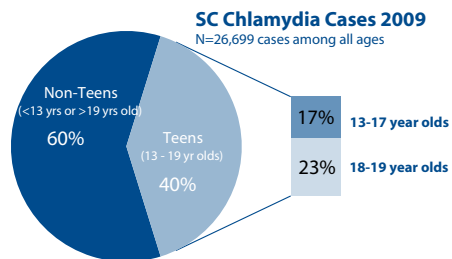
Through 2007, South Carolina ranks #3 in case rates of Gonorrhea, #3 in case rates of Chlamydia, #26 in case rates of Syphilis, and #8 in case rates of AIDS (per 100,000 population).<sup>7</sup>



### IMPACT on ADOLESCENTS & YOUNG ADULTS

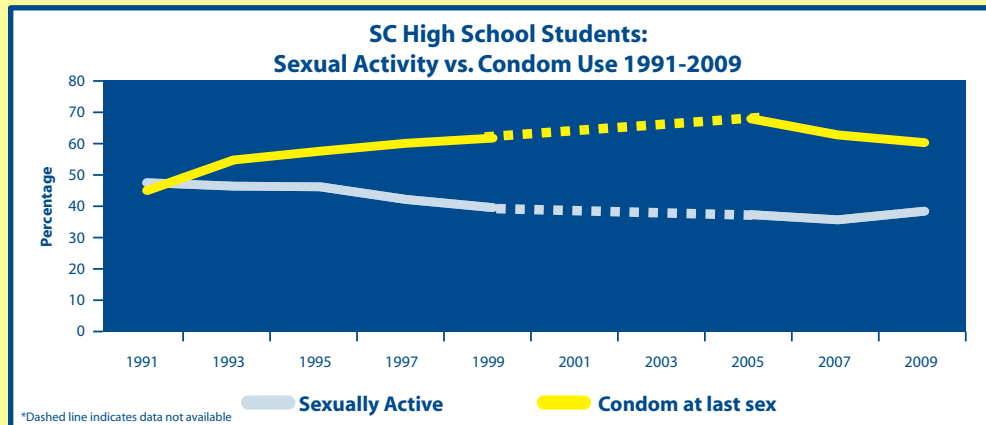
Vaginal, anal and oral sex place young people at risk for sexually transmitted infections (STIs).<sup>1</sup> Young adults (ages 15-24) account for 48% of all new STI cases and at least 1 in 4 sexually active adolescents in the United States has an STI.<sup>1,2,3</sup> Nationally, teenage girls (ages 15-19) have a higher rate of Chlamydia and Gonorrhea than any other age group.<sup>1</sup>

Statewide, more than 830 teens over the last 20 years (ages 13-19) have been diagnosed with HIV.<sup>8</sup> South Carolina's older youth (18-19 years old) account for more than half of all Chlamydia and Gonorrhea cases among adolescents 13-19 years old.<sup>10</sup>



### HIV/STI Prevention Strategies

- I **Abstinence** is the only method that is 100% effective against the transmission of STIs and HIV.<sup>1</sup>
- II **Increase consistent and correct condom use.** In South Carolina, 80% of teens did not use birth control pills and 40% of teens did not use a condom to protect against pregnancy and sexually transmitted infections at last sexual encounter.<sup>9</sup>
- III **Delay sexual intercourse.** Teens that decide to engage in sexual activity at an early age increase their risk of contracting an STI.<sup>1</sup>
  - Almost half (44%) of ninth graders in South Carolina report having had sex.<sup>9</sup>
- IV **Decrease the number of sexual partners.** Teens that engage in sexual intercourse with more than one partner are at a greater risk of transmitting STIs than teens that remain sexually monogamous.<sup>1</sup>
  - Almost one in five high school students reported having sexual intercourse with four or more partners in their lifetime.<sup>9</sup>





# South Carolina Campaign to Prevent Teen Pregnancy



## 2009 Gonorrhea and Chlamydia among Teens (age 13 – 19) in South Carolina by County

(Note: Rates per 100,000 and rank based on rates. Data from January 1, 2009 – December 31, 2009.<sup>10</sup>)

County	Gonorrhea			Chlamydia		
	Number	Rate	Rank	Number	Rate	Rank
Abbeville	21	786.5	14	57	2,134.7	36
Aiken	60	414.8	37	270	1,866.5	40
Allendale	10	950.8	7	38	3,612.9	9
Anderson	105	657.9	23	420	2,631.5	22
Bamberg	18	974.9	5	56	3,032.9	16
Barnwell	7	295.0	42	47	1,980.9	39
Beaufort	29	224.7	45	286	2,215.9	33
Berkeley	41	240.1	44	294	1,721.9	41
Calhoun	7	509.4	31	32	2,328.6	30
Charleston	286	886.6	10	994	3,081.5	14
Cherokee	36	707.9	20	138	2,713.4	18
Chester	39	1,160.7	2	146	4,345.2	3
Chesterfield	26	617.1	26	110	2,610.8	23
Clarendon	10	284.7	43	95	2,705.0	19
Colleton	29	732.4	17	122	3,081.1	15
Darlington	55	830.7	13	224	3,383.3	11
Dillon	27	850.7	11	100	3,150.6	13
Dorchester	66	549.6	28	321	2,672.8	20
Edgefield	10	399.0	39	34	1,356.7	45
Fairfield	10	443.9	33	86	3,817.5	5
Florence	88	678.2	22	305	2,350.5	29
Georgetown	22	402.2	38	113	2,065.9	38
Greenville	271	713.3	19	798	2,100.5	37
Greenwood	68	1,003.7	4	161	2,376.3	27
Hampton	9	416.2	36	47	2,173.7	35
Horry	84	467.3	32	446	2,481.1	25
Jasper	9	430.6	35	46	2,200.7	34
Kershaw	20	374.1	40	126	2,356.5	28
Lancaster	41	689.9	21	133	2,238.1	32
Laurens	54	757.8	15	175	2,455.9	26
Lee	17	895.0	9	72	3,790.7	6
Lexington	96	433.6	34	369	1,666.8	43
Marion	32	941.7	8	146	4,296.4	4
Marlboro	16	598.5	27	99	3,703.4	7
McCormick	6	731.7	18	26	3,170.7	12
Newberry	42	1,217.4	1	120	3,478.3	10
Oconee	30	520.1	29	93	1,612.3	44
Orangeburg	118	1,139.2	3	498	4,808.0	2
Pickens	20	161.5	46	127	1,025.2	46
Richland	320	842.6	12	1381	3,636.2	8
Saluda	5	295.9	41	29	1,716.2	42
Spartanburg	163	649.8	24	623	2,483.6	24
Sumter	69	631.3	25	315	2,881.9	17
Union	25	955.9	6	128	4,894.5	1
Williamsburg	28	739.7	16	100	2,641.9	21
York	98	511.6	30	437	2,281.3	31
<b>South Carolina</b>	<b>2,643</b>	<b>634.3</b>		<b>10,789</b>	<b>2,589.4</b>	

Sources:

1. United States Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Adolescent and School Health. Sexually Transmitted Disease Surveillance, 2007. Retrieved April 7, 2010 from <http://www.cdc.gov/health youth/sexualbehaviors/index.htm>
2. Alan Guttmacher Institute: HIV/AIDS and STIs. Retrieved April 7, 2010 from [http://www.guttmacher.org/pubs/FIB\\_STI\\_US.html](http://www.guttmacher.org/pubs/FIB_STI_US.html)
3. Kaiser Family Foundation: National Survey of Teens on HIV/AIDS. Retrieved April 7, 2010 from <http://www.kff.org/youth/hivstds/upload/National-Survey-of-Teens-on-HIV-AIDS.pdf>
4. South Carolina's STD/HIV/AIDS data: STD/HIV Division Surveillance Report, 2007. SC Department of Health and Environmental Control.
5. Youth Risk Behavior Surveillance System (YRBS) 2009 data. Morbidity and Mortality Weekly Report.
6. United States Centers for Disease Control, Youth Online Comprehensive Results, Retrieved March 20, 2010 from <http://apps.nccd.cdc.gov/yrbss/SeQuestYear.asp?cat=4&desc=Sexual%20Behaviors&loc=XX>
7. National Center for HIV/AIDS, Viral Hepatitis, STD and TB Prevention, United States Centers for Disease Control, "South Carolina 2008 Profile".
8. STD/HIV Division Surveillance Report, December 31, 2008, retrieved April 7, 2010 from [http://www.scdhec.gov/health/disease/stds/docs/HIVSTD\\_SurvRpt\\_Dec2008.pdf](http://www.scdhec.gov/health/disease/stds/docs/HIVSTD_SurvRpt_Dec2008.pdf).
9. United States Centers for Disease Control, Youth Risk Behavior Survey Results (YRBS), 2009.
10. Division of Surveillance and Technical Support, Bureau of Disease Control, South Carolina Department of Health and Environmental Control. Data from January 1, 2009 – December 31, 2009. Data Request April 26, 2010.

Publication date: May 2010



The Blue-Cross BlueShield of South Carolina Foundation is an independent licensee of the Blue Cross and Blue Shield Association.

Special thanks to the SC BCBS Foundation for their ongoing support of SC Campaign activities.