

# ACHA 2012 Pap and STI Survey

for

## Calendar Year 2011 Data

Survey Data Report

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## **ACHA 2012 Pap and STI Data Survey – Data Report**

2012 marked the 22nd year that the American College Health Association (ACHA) has surveyed member institutions to obtain information about their screening practices for cervical cytology and sexually transmitted infections, and to obtain selected test data for those conditions.

This clinically based survey collects institutional information about gynecologic services, Pap tests, and testing for STIs at U.S. colleges and universities performed during calendar year 2011 (January 1-December 31).

Over the years the ACHA Pap Test and STI Survey has served as an important benchmarking tool regarding management strategies and data collection, as well as a means to assess educational efforts and compare health center services.

This data report provides the specific breakdown of responses for all questions in the Calendar Year 2011 survey.

### Methods and Notes

Survey questions were written by members of the ACHA Sexual Health and Clinical Care Coalition with assistance from ACHA staff. A survey questionnaire was designed using Vovici online survey software (Vovici, Inc.) and response data were analyzed using PSAW Statistics v18 (SPSS, Inc.).

The 2011 Calendar Year survey period opened on April 19, 2012 and closed on June 30, 2012. A total of 181 institutions/health centers completed the survey via an online web form. Not all respondents completed every question. Surveys were limited to one respondent per institution.

Cumulative student enrollment for the 181 respondent institutions was just over 3 million students. These health centers reported a total of 3.3 million visits in 2011, including 457,000 women's health visits. A majority of the institutions were four year public institutions.

All respondents were volunteers and self-selected. The respondent institutions should not be considered representative of college health centers in the U.S. and extrapolation of this data to college populations in general may not be appropriate.

For calculations of test result positivity in variables with numerical data, we excluded respondents that did not provide both a numerator and denominator in their response (i.e., both the number of positive tests and the number of tests done needed to be entered). For Pap test data, we required that the sum of values reported for all known results was within +/- 3% of the value reported for the total number of Pap tests done. In other words, respondents that were missing Pap result data in excess of 3% of expected totals were not included in the numeric analysis.

## Key Findings and Highlights

While much of the data collected in this survey is remarkably consistent from year to year, it is worth pointing out some key findings that are relevant to college health professionals. We have summarized these in bulleted form:

- 80% of respondents indicated that their standard recommendation for when to begin regular Pap testing is age 21, in accord with current published guidelines. We find this number to be unacceptably low. The guidelines are widely disseminated and strongly evidence-based, yet 20% of respondents reported they do not typically follow them.
- Pap test results were abnormal in 14.4% of tests performed; 50% of these represent dysplasia or worse disease.
- Basic screening for sexually transmitted infections (chlamydia, gonorrhea and HIV) is widely available and offered by nearly all respondent institutions.
- Only a minority of respondents indicated that they routinely perform gonorrhea or chlamydia testing from non-genital sites (rectal or pharynx) in men who have sex with men (MSM). CDC recommends screening for gonorrhea at all exposed sites in MSM, and for rectal chlamydia in MSM who report a history of receptive anal intercourse.
- The overall positivity of lab tests for chlamydia and gonorrhea were similar to national incidence data for these infections in persons 19-24 years of age. Chlamydia positivity was 4.0% in women and 8.4% in men. Gonorrhea positivity was 0.3% in women and 1.7% in men.
- HIV and syphilis are uncommon infections in college students, with an overall positivity of 0.1% for HIV, and 0.3% for syphilis. Reflecting the national epidemiology of these infections, a large majority (>70%) were reported to occur in MSM.
- As noted in previous surveys, a large proportion (72%) of genital HSV infections are documented by culture/PCR to be caused by HSV-1.
- Anal cytology was offered in some fashion by 25% of health centers. This was a new question added in our 2012 survey.
- Comprehensive contraception services and pregnancy testing are offered by most schools; a subset of these (25%) included the insertion of IUDs.
- The overall positivity reported for pregnancy tests performed in health centers was 7.5%.

## Explanation of Tables

For categorical variables the tables show the distribution of responses. The most relevant column to look at is labeled “valid percent”, which shows the proportion of that row response item for respondents answering the question. Frequency is the number of respondents (schools) recording an answer to the question. Most of these variables are yes/no responses. The most common response for each question is highlighted in red.



Q5: Is the health service an institutional member of ACHA?	Frequency	Valid Percent
Yes	158	87.3
No	19	10.5
Uncertain	4	2.2
Total	181	100.0

For numeric variables the tables typically show the sum and mean of data provided by respondents. “N” is the number of respondents (schools) recording an answer to the question. So in the example below, the sum is the total number of chlamydia tests done, as reported by 130 respondents; with a mean (average) of 879.8 tests per school. Positivity is calculated as the # positive sum/# tested sum.



### Q33/34a: Chlamydia Positivity – Females

**4.0% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
CT female # tested	130	5.00	5329.00	114374.00	879.8000	1011.57869
CT female # positive	130	.00	212.00	4615.00	35.5000	37.78525
CT female % positive	130	.00	.40	n/a	.0567	.05604

## ACHA Pap/STI Survey -- Calendar Year 2011 Survey Data Report

### Campus Demographic Data for Respondent Institutions

Q5: Is the health service an institutional member of ACHA?	Frequency	Valid Percent
Yes	158	87.3
No	19	10.5
Uncertain	4	2.2
Total	181	100.0

Q6: Applicable ACHA Affiliate	Frequency	Valid Percent
Southwest College Association	23	12.8
Southern College Health Association	27	15.1
North Central College Health Association	14	7.8
Central College Health Association	6	3.4
Rocky Mountain College Health Association	6	3.4
Mid-America College Health Association	18	10.1
Ohio College Health Association	8	4.5
Mid-Atlantic College Health Association	31	17.3
New York State College Health Association	13	7.3
New England College Health Association	8	4.5
Pacific College Health Association	25	14.0
Total	179	100.0

Q7: Type of Institutional Control	Frequency	Valid Percent
Public 2-year	3	1.7
Public 4-year	120	66.7
Private 4-year	57	31.7
Total	180	100.0

Q8: Campus Location	Frequency	Valid Percent
Urban >1,000,000 population	26	14.4
Urban 100,000-1,000,000 population	60	33.3
Urban < 100,000 population	31	17.2
Suburban	29	16.1
Rural	32	17.8
Other	2	1.1
Total	180	100.0
Missing	1	
Total	181	

Q9: Institution Undergraduate Enrollment	Frequency	Valid Percent	Cumulative Percent
No undergraduate students	2	1.1	1.1
Under 1,000	2	1.1	2.2
1,000 to 1,999	10	5.6	7.8
2,000 to 4,999	31	17.2	25.0
5,000 to 9,999	34	18.9	43.9
10,000 to 14,999	32	17.8	61.7
15,000 to 19,999	26	14.4	76.1
20,000 to 24,999	14	7.8	83.9
25,000 to 29,999	18	10.0	93.9
30,000 to 39,999	7	3.9	97.8
40,000 +	4	2.2	100.0
Total	180	100.0	
Missing	1		
Total	181		

<b>Q10: Institution Graduate/Professional Enrollment (categories of size)</b>	Frequency	Valid Percent	Cumulative Percent
No graduate/prof students	14	7.7	7.7
Under 1,000	21	11.6	19.3
1,000 to 1,999	30	16.6	35.9
<b>2,000 to 4,999</b>	<b>55</b>	<b>30.4</b>	66.3
5,000 to 9,999	46	25.4	91.7
10,000 to 14,999	10	5.5	97.2
15,000 to 19,999	5	2.8	100.0
Total	181	100.0	

<b>Q11A: Institutional Attribute – Historically Black College or University (HBCU)?</b>	Frequency	Valid Percent
No	177	97.8
Yes	4	2.2
Total	181	100.0

<b>Q11B: Institutional Attribute – Minority Postsecondary Institution (MPI)?</b>	Frequency	Valid Percent
No	180	99.4
Yes	1	.6
Total	181	100.0

<b>Q11C: Institutional Attribute – Hispanic Serving Institution (HIS)?</b>	Frequency	Valid Percent
No	173	95.6
Yes	8	4.4
Total	181	100.0

<b>Q11D: Institutional Attribute – Tribal College and University (TCU)?</b>	Frequency	Valid Percent
No	181	100.0

<b>Q11E: Institutional Attribute – Alaska Native or Native Hawaiian Serving Institution (ANNH)?</b>	Frequency	Valid Percent
No	180	99.4
Yes	1	.6
Total	181	100.0



Q11F: Faith-based Institution (FBI)?	Frequency	Valid Percent
No	159	87.8
Yes	22	12.2
Total	181	100.0

Q11G: Institutional Attribute – Community College?	Frequency	Valid Percent
No	178	98.3
Yes	3	1.7
Total	181	100.0

Q11A: Institutional Attribute – None	Frequency	Valid Percent
No	61	33.7
Yes	120	66.3
Total	181	100.0

Q11A: Institutional Attribute – Don't Know	Frequency	Valid Percent
No	171	94.5
Yes	10	5.5
Total	181	100.0

Q12: Role of person completing survey form	Frequency	Valid Percent
Administrator	24	13.4
Advanced Practice Clinician (NP/PA)	82	45.8
Health Educator	1	.6
HIM/QI	5	2.8
Laboratorian	1	.6
Nurse	12	6.7
Nurse Director	16	8.9
Physician	27	15.1
Other	11	6.1
Total	179	100.0
Missing	2	
Total	181	

**Q13: Institutional Demographic Information**

Statistics		Number of students enrolled at institution	Total number of student medical visits to health center in 2010	Percent female enrollment	Percent female medical visits	Number of student women's medical visits to health center in 2011
N	Valid	175	166	163	143	145
	Missing	6	15	18	38	36
	<b>Mean</b>	<b>17424.18</b>	<b>20353.58</b>	<b>54.49%</b>	<b>61.22%</b>	<b>3151.39</b>
	Median	14987.00	15073.00	54.00%	63.00%	1735.00
	Std. Deviation	13231.081	18483.560	8.32%	12.1%	4087.813
	Minimum	51	0	25%	0%	0
	Maximum	64210	83035	100%	100%	26176
	Sum	3049232	3378694			456951

Data from this survey represents:

*3,049,232 enrolled students*

*3,378,694 health center visits*

*456,951 women's health visits*

**Q14: Distribution of Health Center Visits by Provider Type (as % of visits)**

Statistics		Percent of women's health visits conducted by nurses	Percent of women's health visits conducted by advanced practice nurses	Percent of women's health visits conducted by physician assistants	Percent of women's health visits conducted by gynecologists	Percent of women's health visits conducted by other physicians	Non-Provider Visits	Percent of women's health visits conducted by other providers
N	Valid	103	152	79	77	123	60	58
	Missing	78	29	102	104	58	121	123
	<b>Mean</b>	<b>12.55%</b>	<b>67.10%</b>	<b>12.79%</b>	<b>8.65%</b>	<b>22.53%</b>	<b>3.08%</b>	<b>4.51%</b>
	Median	5.00%	72.50%	1.00%	.00%	15.00%	.00%	.00%
	Std. Deviation	19.765	29.23	19.74	15.57	23.82	9.40	15.85
	Minimum	0	0	0	0	0	0	0
	Maximum	100	100	90	70	100	43	98

## GYN Services Offered and Standard Practices

### Cytology Screening Methods

Q16A: Cervical Cytology Screening Tests Used – conventional slide cytology	Frequency	Valid Percent
No	153	84.5
Yes	28	15.5
Total	181	100.0

Q16B: Cervical Cytology Screening Tests Used – liquid-based cytology with reflex HPV testing	Frequency	Valid Percent
No	33	18.2
Yes	148	81.8
Total	181	100.0

Q16C: Cervical Cytology Screening Tests Used – liquid-based cytology without reflex HPV testing	Frequency	Valid Percent
No	97	53.6
Yes	84	46.4
Total	181	100.0

Q16A: Cervical Cytology Screening Tests Used – conventional slide cytology	Frequency	Valid Percent
No	173	95.6
Yes	8	4.4
Total	181	100.0

Q17A: Cervical Disease Procedures Used - Colposcopy	Frequency	Valid Percent
No	120	66.3
Yes	61	33.7
Total	181	100.0

Q17B: Cervical Disease Procedures Used - Cervicography	Frequency	Valid Percent
No	181	100.0

Q17C: Cervical Disease Procedures Used - Cryotherapy	Frequency	Valid Percent
No	148	81.8
Yes	33	18.2
Total	181	100.0

Q17D: Cervical Disease Procedures Used - Laser ablation	Frequency	Valid Percent
No	181	100.0

Q17E: Cervical Disease Procedures Used - LEEP	Frequency	Valid Percent
No	166	91.7
Yes	15	8.3
Total	181	100.0

Q17F: Cervical Disease Procedures Used - None of the above	Frequency	Valid Percent
No	63	34.8
Yes	118	65.2
Total	181	100.0

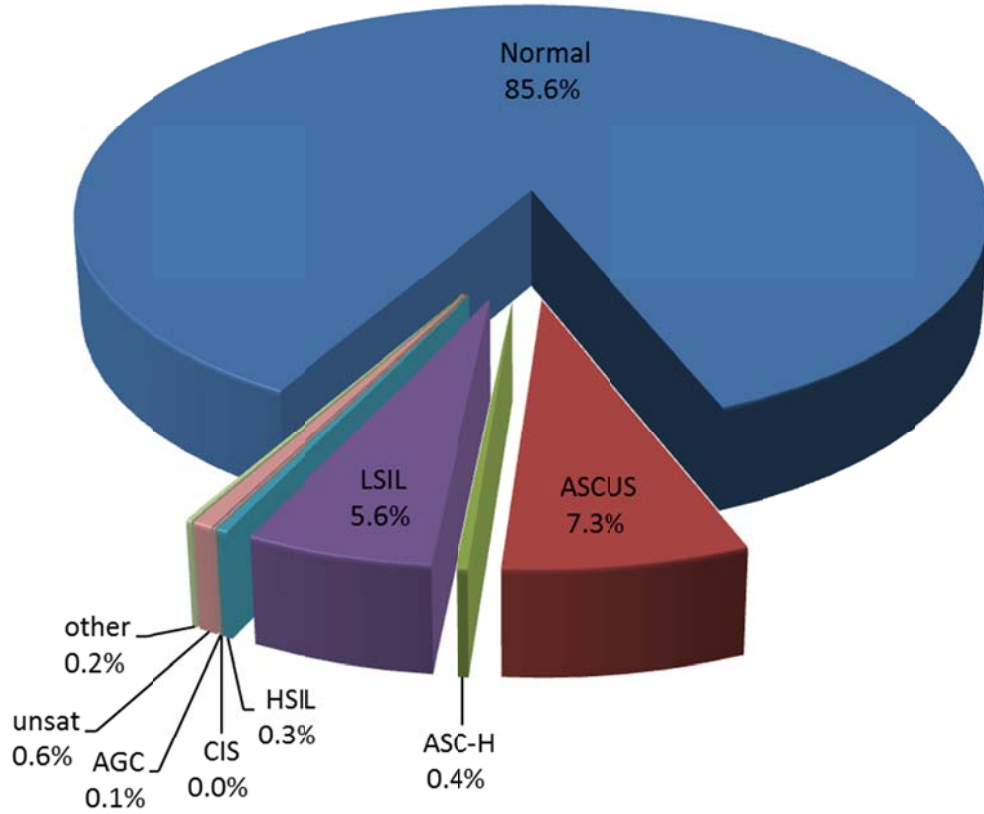
## Cytology Screening Practices

Q18: What is your standard recommendation for when to begin regular Pap testing?	Frequency	Valid Percent
Three years after first intercourse or age 21, whichever comes first	22	12.3
Age 21	144	80.4
At onset of sexual activity	7	3.9
Varies by provider, no standard practice	6	3.4
Total	179	100.0
Missing	2	
Total	181	

Q20: What is your usual practice for management of a screening Pap test reported as Atypical Squamous Cell of Undetermined Significance (ASC-US) for women age 20 or younger?	Frequency	Valid Percent
HPV DNA test (reflex or otherwise)	121	71.6
Repeat Pap in 4-6 months	26	15.4
Repeat Pap in 12 months	12	7.1
Immediate colposcopy	1	.6
Varies by provider, no standard practice	9	5.3
Total	169	100.0
Missing	12	
Total	181	

Cytology Screening Data

**Pap Test Results, CY2011**  
n=81590



Q19. Summary of Pap Test Results for CY 2011. Data is included from 138 institutions.

Question #:	19A		19B	19C	19D	19E	19F	19G	19H	19I	19J	19K
Label:	Total Done	Total Results	normal	ASCUS	ASC-H	LSIL	HSIL	CIS	AGC	unsat	other	No ECC
valid n:	138	138	138	136	120	134	120	102	104	115	86	95
% of results:	99.9%	100.0%	85.6%	7.3%	0.4%	5.6%	0.3%	0.01%	0.1%	0.6%	0.2%	2.4%
sum of results:	81632	81590	69851	5947	294	4545	282	5	42	489	135	1975

## STI Testing -- Practices and Standards

Q24: Routine STI screening offered for women	Frequency	Valid Percent
Yes	176	97.8
No	4	2.2
Total	180	100.0
Missing	1	
Total	181	

Q25: Routine STI screening offered for men	Frequency	Valid Percent
Yes	169	93.9
No	11	6.1
Total	180	100.0
Missing	1	
Total	181	

Q26a: STI screening test offered: chlamydia	Frequency	Valid Percent
No	6	3.3
Yes	175	96.7
Total	181	100.0

Q26b: STI screening test offered: gonorrhea	Frequency	Valid Percent
No	8	4.4
Yes	173	95.6
Total	181	100.0

Q26c: STI screening test offered: hepatitis B	Frequency	Valid Percent
No	58	32.0
Yes	123	68.0
Total	181	100.0

Q26d: STI screening test offered: hepatitis C	Frequency	Valid Percent
No	68	37.6
Yes	113	62.4
Total	181	100.0

Q26e: STI screening test offered: herpes	Frequency	Valid Percent
No	72	39.8
Yes	109	60.2
Total	181	100.0

Q26f: STI screening test offered: HIV	Frequency	Valid Percent
No	21	11.6
Yes	160	88.4
Total	181	100.0

Q26g: STI screening test offered: syphilis	Frequency	Valid Percent
No	21	11.6
Yes	160	88.4
Total	181	100.0

Q26h: STI screening test offered: trichomoniasis	Frequency	Valid Percent
No	77	42.5
Yes	104	57.5
Total	181	100.0



Q26i: STI screening test offered: none	Frequency	Valid Percent
No	179	98.9
Yes	2	1.1
Total	181	100.0

Q26j: STI screening test offered: other	Frequency	Valid Percent
No	175	96.7
Yes	6	3.3
Total	181	100.0

Q27: Do you routinely screen women under age 26 for chlamydia?	Frequency	Valid Percent
Yes	158	88.3
No	21	11.7
Total	179	100.0

Q28: Type of specimen usually collected for female chlamydia testing	Frequency	Valid Percent
cervical swab	89	50.0
vaginal swab	7	3.9
urine	29	16.3
varies	49	27.5
none	4	2.2
Total	178	100.0

Q29: Type of specimen usually collected for male chlamydia testing	Frequency	Valid Percent
urethral swab	14	7.8
urine	151	84.4
varies	9	5.0
none	5	2.8
Total	179	100.0

Q30: STI screening cost coverage	Frequency	Valid Percent
all tests charged to patient or insurance	90	49.7
some tests charged, some free	63	34.8
all tests free, none are charged	10	5.5
not applicable or none of the above	4	2.2
other	14	7.7
Total	181	100.0

## STI Testing – Laboratory Test Data

**Gonorrhea****Overall Positivity: 149131 tests done, 960 tests positive, 0.6% positivity****Q31/32a: Gonorrhea Positivity – Females****0.31% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
GC female # tested	130	5.00	5679.00	106778.00	821.3692	965.11831
GC female # positive	130	.00	26.00	331.00	2.5462	3.98274
GC female % positive	130	.00	1.00	n/a	.0125	.08778

**Q31/32b: Gonorrhea Positivity – Males****1.7% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
GC male # tested	128	2.00	4682.00	36016.00	281.3750	480.37805
GC male # positive	128	.00	151.00	600.00	4.6875	13.85797
GC male % positive	128	.00	1.00	n/a	.0266	.09263

**Q31/32c: Gonorrhea Positivity – Unknown Gender****0.46% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
GC unsp # tested	17	1.00	2442.00	6337.00	372.7647	607.13554
GC unsp # positive	17	.00	12.00	29.00	1.7059	3.33100
GC unsp % positive	17	.00	.01	n/a	.0022	.00400

*Note: schools providing incomplete data were excluded from this analysis*

## STI Testing – Laboratory Test Data

**Chlamydia****Overall Positivity: 157933 tests done, 7769 tests positive, 4.9% positivity****Q33/34a: Chlamydia Positivity – Females****4.0% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
CT female # tested	130	5.00	5329.00	114374.00	879.8000	1011.57869
CT female # positive	130	.00	212.00	4615.00	35.5000	37.78525
CT female % positive	130	.00	.40	n/a	.0567	.05604

**Q33/34b: Chlamydia Positivity – Males****8.4% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
CT male # tested	127	2.00	1765.00	34641.00	272.7638	305.36212
CT male # positive	127	.00	114.00	2911.00	22.9213	25.51365
CT male % positive	127	.00	.50	n/a	.0926	.07505

**Q33/34c: Chlamydia Positivity – Unspecified Gender****2.7% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
CT unsp # tested	14	2.00	2389.00	8918.00	637.0000	796.31749
CT unsp # positive	14	.00	85.00	243.00	17.3571	23.02710
CT unsp % positive	14	.00	.09	n/a	.0290	.03318

*Note: schools providing incomplete data were excluded from this analysis*

## STI Testing – Laboratory Test Data

## HIV

**Overall Positivity: 69180 tests done, 77 tests positive, 0.11% positivity**

**Q35/36a: HIV Positivity – Females****0.03% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
HIV female # tested	102	1.00	2519.00	30053.00	294.6373	368.25292
HIV female # positive	102	.00	2.00	8.00	.0784	.33556
HIV female % positive	102	.0000	.0167	n/a	.000259	.0017044

**Q35/36b: HIV Positivity – Males****0.20% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
HIV male # tested	103	3.00	1606.00	25157.00	244.2427	287.11976
HIV male # positive	103	.00	5.00	51.00	.4951	.90612
HIV male % positive	103	.0000	.0417	n/a	.002523	.0066678

**Q35/36c: HIV Positivity – Unspecified Gender****0.14% positive**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
HIV unsp # tested	35	3.00	1387.00	13970.00	399.1429	406.15349
HIV unsp # positive	35	.00	4.00	18.00	.5143	.95090
HIV unsp % positive	35	.0000	.0102	n/a	.000882	.0019682

**Q36d: HIV Positivity – MSM proportion of male positive tests:****71.4%**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
HIV Male # positive	11	1.00	3.00	14.00	1.2727	.64667
HIV MSM # positive	11	.00	3.00	10.00	.9091	.83121
HIV MSM % positive	11	.0000	1.0000	n/a	.727273	.4670994

*Note: schools providing incomplete data were excluded from this analysis*

## HIV Testing Practices

Q37: HIV test availability -- confidential vs anonymous	Frequency	Valid Percent
Confidential testing only	130	74.3
Both confidential and anonymous testing	33	18.9
Neither	12	6.9
Total	175	100.0
Missing	6	
Total	181	

Q38a: HIV test type offered - standard blood antibody	Frequency	Valid Percent
No	49	27.1
Yes	132	72.9
Total	181	100.0

Q38b: HIV test type offered - standard oral fluid antibody	Frequency	Valid Percent
No	172	95.0
Yes	9	5.0
Total	181	100.0

Q38c: HIV test type offered - rapid blood antibody	Frequency	Valid Percent
No	136	75.1
Yes	45	24.9
Total	181	100.0

Q38d: HIV test type offered - rapid oral fluid antibody	Frequency	Valid Percent
No	142	78.5
Yes	39	21.5
Total	181	100.0

Q38e: HIV test type offered - none	Frequency	Valid Percent
No	171	94.5
None	10	5.5
Total	181	100.0

Q38f: HIV test type offered - other type	Frequency	Valid Percent
No	178	98.3
Yes	3	1.7
Total	181	100.0

Q39a: HIV assays used: HIV 1/2 antibody test	Frequency	Valid Percent
No	47	26.0
Yes	134	74.0
Total	181	100.0

Q39b: HIV assays used: HIV p24 antigen/HIV antibody combo test	Frequency	Valid Percent
No	158	87.3
Yes	23	12.7
Total	181	100.0

Q39c: HIV assays used: HIV pDNA or RNA qualitative PCR	Frequency	Valid Percent
No	133	73.5
Yes	48	26.5
Total	181	100.0

Q39d: HIV assays used: HIV RNA quantitative/viral load test	Frequency	Valid Percent
No	126	69.6
Yes	55	30.4
Total	181	100.0

Q39e: HIV assays used: None	Frequency	Valid Percent
No	164	90.6
Yes	17	9.4
Total	181	100.0

Q39f: specific HIV assays used: Other	Frequency	Valid Percent
No	174	96.1
Yes	7	3.9
Total	181	100.0



## Syphilis Testing

Q40: Syphilis test type used (as primary screening test)	Frequency	Valid Percent
RPR	157	92.4
VDRL	10	5.9
EIA	3	1.8
Total	170	100.0
Missing	11	
Total	181	

**Overall Syphilis Positivity: 47086 tests done, 123 tests positive, 0.3% positivity**

### Q41a/b: Syphilis Positivity – combined gender

**0.3% positivity**

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
Syphilis # tested	139	1.00	1908.00	47086.00	338.7482	398.35835
Syphilis # positive	139	.00	7.00	123.00	.8849	1.29704
Syphilis % positive	139	.0000	.5455	n/a	.006909	.0464347

*Note: schools providing incomplete data were excluded from this analysis*

### Q41c: Syphilis Positivity – MSM proportion of all positive tests:

**71.4%**

Includes only schools providing MSM specific data for this question

	N	Minimum	Maximum	Sum	Mean	Std. Deviation
Syphilis # positive total	19	1.00	4.00	35.00	1.8421	.89834
Syphilis # positive MSM	19	.00	4.00	25.00	1.3158	1.05686
Syphilis % positive MSM	19	.0000	1.0000	n/a	.736842	.4205955

## Herpes Simplex Virus (HSV) Testing

Q42a: Herpes diagnostic tests used - viral culture	Frequency	Valid Percent
No	36	19.9
Yes	145	80.1
Total	181	100.0

Q42b: Herpes diagnostic tests used - PCR	Frequency	Valid Percent
No	130	71.8
Yes	51	28.2
Total	181	100.0

Q42c: Herpes diagnostic tests used – type-specific serology	Frequency	Valid Percent
No	51	28.2
Yes	130	71.8
Total	181	100.0

Q42d: Herpes diagnostic tests used - antigen test	Frequency	Valid Percent
No	173	95.6
Yes	8	4.4
Total	181	100.0

Q42e: Herpes diagnostic tests used – Tzank smear	Frequency	Valid Percent
No	175	96.7
Yes	6	3.3
Total	181	100.0

Q42f: Herpes Dx test performed - other test	Frequency	Valid Percent
No	178	98.3
Yes	3	1.7
Total	181	100.0

## Genital HSV Laboratory Test Data (viral culture or PCR tests)

### Total Tests Done, by gender (all schools)

Descriptive Statistics

	N (schools)	Minimum	Maximum	Sum
Q43a # tests done, all patients	145	.00	959.00	9081.00
Q44a # tests done in women	111	.00	305.00	4143.00
Q45a # tests done in men	110	.00	249.00	2043.00

### Positive HSV Tests by type, all/unspecified gender: 72.1% HSV1, 27.9% HSV2

Descriptive Statistics

Q43: HSV positive, all pts	N (schools)	Minimum	Maximum	Sum	Mean
HSV1 # positive	95	1.00	200.00	1878.00	19.7
HSV2 # positive	94	.00	60.00	726.00	7.7
<b>HSV1 proportion</b>	<b>94</b>	<b>.17</b>	<b>1.00</b>		<b>.7105</b>
HSV2 proportion	94	.00	.83		.2895
Total	94			2604.00	

### Positive HSV Tests by type, females: 72.3% HSV1, 27.7% HSV2

Descriptive Statistics

Q44: HSV positive female	N (schools)	Minimum	Maximum	Sum	Mean
HSV1 # positive	81	.00	63.00	1040.00	12.8
HSV2 # positive	81	.00	35.00	399.00	4.9
<b>HSV1 proportion</b>	<b>81</b>	<b>.00</b>	<b>1.00</b>		<b>.7314</b>
HSV2 proportion	81	.00	1.00		.2686
Total	81			1439.00	

### Positive HSV Tests by type, males: 75.5% HSV1, 24.5% HSV2

Descriptive Statistics

Q45: HSV positive male	N (schools)	Minimum	Maximum	Sum	Mean
HSV1 # positive	63	.00	58.00	392.00	6.2
HSV2 # positive	63	.00	13.00	127.00	2.0
<b>HSV1 proportion</b>	<b>63</b>	<b>.0000</b>	<b>1.00</b>		<b>.6570</b>
HSV2 proportion	63	.0000	1.00		.3429
Total	63			519.00	

## Trichomoniasis Testing

Q46a: Trich test type used - microscopy	Frequency	Valid Percent
No	25	13.8
Yes	156	86.2
Total	181	100.0

Q46b: Trich test type used - culture	Frequency	Valid Percent
No	166	91.7
Yes	15	8.3
Total	181	100.0

Q46c: Trich test type used - antigen detection	Frequency	Valid Percent
No	159	87.8
Yes	22	12.2
Total	181	100.0

Q46d: Trich test type used – NAAT/PCR	Frequency	Valid Percent
No	171	94.5
Yes	10	5.5
Total	181	100.0

Q47: Trich -- # patients diagnosed	N	Minimum	Maximum	Sum	Mean
Trichomoniasis diagnoses, #	152	.00	86.00	714.00	4.6974

## HPV Related Clinical Data – Genital Warts, HPV Vaccine and Anal Cytology

### Genital Wart Diagnoses and Treatment

#### Descriptive Statistics

<b>Q48: Patients diagnosed with warts</b>	N (schools)	Minimum	Maximum	Sum	Mean	Std. Deviation
Genital wart dx, # female patients	100	.00	434.00	2008	20.0800	48.83029
Genital wart dx, # male patients	100	.00	340.00	1825	18.2500	37.13159
Genital wart dx, # unsp gender patients	60	.00	88.00	470	7.8333	20.74802
Genital wart dx, # total patients	115	.00	498.00	4303	37.4174	69.78664

#### Descriptive Statistics

<b>Q49: Visits for treatment of warts</b>	N (schools)	Minimum	Maximum	Sum	Mean	Std. Deviation
Genital wart tx, # female visits	92	.00	550.00	3235	35.1630	73.91089
Genital wart tx, # male visits	92	.00	234.00	2453	26.6630	39.95087
Genital wart tx, # unsp gender visits	55	.00	286.00	862	15.6727	49.41137
Genital wart tx, # total visits	102	.00	606.00	6550	64.2157	100.90576

### HPV Vaccine

<b>Q52: # Doses of HPV vaccine administered</b>	N (schools)	Minimum	Maximum	Sum	Mean	Std. Deviation
HPV vaccine doses given, total	159	.00	3405.00	28748	180.8050	366.61092
HPV vaccine doses given, female	115	.00	3088.00	19017	165.3652	350.19867
HPV vaccine doses given, male	107	.00	401.00	4682	43.7570	79.99868

<b>Q53: # Students receiving HPV vaccine</b>	N (schools)	Minimum	Maximum	Sum	Mean	Std. Deviation
HPV vaccine students immunized, total	143	.00	1722.00	16152	112.9510	221.92488
HPV vaccine students immunized, female	103	.00	1560.00	11036	107.1456	205.06180
HPV vaccine students immunized, male	96	.00	308.00	2896	30.1667	56.46138

## Anal Cytology

Q50: Do you provide anal cytology screening for persons at risk?	Frequency	Valid Percent
Yes	42	25.0
No	126	75.0
Total	168	100.0

Q51: # Anal Cytology Tests Performed	N (schools)	Minimum	Maximum	Sum	Mean	Std. Deviation
# anal cytology tests done, females	29	.00	6.00	14.00	.4828	1.35279
# anal cytology tests done, males	30	.00	42.00	86.00	2.8667	7.75368
Total tests				100.00		

## Special Population Questions – Testing & Data Collection for Men Who Have Sex With Men (MSM)

Q54a: Is MSM data collected for gonorrhea?	Frequency	Valid Percent
No	173	95.6
Yes	8	4.4
Total	181	100.0

Q54b: Is MSM data collected for chlamydia?	Frequency	Valid Percent
No	173	95.6
Yes	8	4.4
Total	181	100.0

Q54c: Is MSM data collected for syphilis?	Frequency	Valid Percent
No	171	94.5
Yes	10	5.5
Total	181	100.0

Q54d: Is MSM data collected for HIV?	Frequency	Valid Percent
No	172	95.0
Yes	9	5.0
Total	181	100.0

Q54e: is MSM data collected for hepatitis B?	Frequency	Valid Percent
No	177	97.8
Yes	4	2.2
Total	181	100.0

Q54f: Is MSM data collected for hepatitis A?	Frequency	Valid Percent
No	178	98.3
Yes	3	1.7
Total	181	100.0

Q54g: No MSM-specific data is collected	Frequency	Valid Percent
No	24	13.3
Yes	157	86.7
Total	181	100.0

Q55: Do you include rectal/pharyngeal GC tests when screening MSM?	Frequency	Valid Percent
Yes	74	44.6
No	71	42.8
NA	21	12.7
Total	166	100.0

Q56: Do you include rectal chlamydia tests when screening MSM?	Frequency	Valid Percent
Yes	62	37.1
No	85	50.9
NA	20	12.0
Total	167	100.0

### Expedited Partner Therapy (EPT): Availability and Practice

Q57a: Is EPT provided for gonorrhea?	Frequency	Valid Percent
No	104	57.5
Yes	77	42.5
Total	181	100.0

Q57b: Is EPT provided for chlamydia?	Frequency	Valid Percent
No	89	49.2
Yes	92	50.8
Total	181	100.0

Q57c: Is EPT provided for trichomoniasis?	Frequency	Valid Percent
No	130	71.8
Yes	51	28.2
Total	181	100.0

Q57d: Is EPT provided for other STIs, or don't know?	Frequency	Valid Percent
No	174	96.1
Yes	7	3.9
Total	181	100.0

Q57e: EPT not provided for any STI	Frequency	Valid Percent
Null	108	59.7
True	73	40.3
Total	181	100.0

Q58: What is the status of EPT at your health service?	Frequency	Valid Percent
Legal in our state and used by providers	80	46.2
Legal in our state, but not used by providers	41	23.7
EPT is not legal or permitted in our state	25	14.5
don't know	27	15.6
Total	173	100.0



### Contraception Services Provided in Health Centers

Q59a: Contraception services – general education and advice	Frequency	Valid Percent
No	11	6.1
Yes	170	93.9
Total	181	100.0

Q59b: Contraception services – prescription of oral contraceptives	Frequency	Valid Percent
No	15	8.3
Yes	166	91.7
Total	181	100.0

Q59c: Contraception services – dispense oral contraceptives	Frequency	Valid Percent
No	57	31.5
Yes	124	68.5
Total	181	100.0

Q59d: Contraception services – insertion of IUDs	Frequency	Valid Percent
No	135	74.6
Yes	46	25.4
Total	181	100.0

Q59e: Contraception services – administration of injectable contraception	Frequency	Valid Percent
No	21	11.6
Yes	160	88.4
Total	181	100.0

Q59f: Contraception services – Rx or dispense other hormonal method	Frequency	Valid Percent
No	19	10.5
Yes	162	89.5
Total	181	100.0

Q59g: Contraception services - intradermal method insertion	Frequency	Valid Percent
No	139	76.8
Yes	42	23.2
Total	181	100.0

Q59h: Contraception services- condoms dispensed for free	Frequency	Valid Percent
No	35	19.3
Yes	146	80.7
Total	181	100.0

Q59i: Contraception services - condoms sold	Frequency	Valid Percent
No	96	53.0
Yes	85	47.0
Total	181	100.0

Q59j: Contraception services - other barrier method prescribed	Frequency	Valid Percent
No	67	37.0
Yes	114	63.0
Total	181	100.0

Q59k: Contraception services - other barrier method dispensed	Frequency	Valid Percent
No	124	68.5
Yes	57	31.5
Total	181	100.0

Q59l: Contraception services – vasectomies performed	Frequency	Valid Percent
No	180	99.4
Yes	1	.6
Total	181	100.0

Q59m: Contraception services - fertility awareness education	Frequency	Valid Percent
No	56	30.9
Yes	125	69.1
Total	181	100.0

Q59n: Emergency contraception is dispensed, sold or prescribed	Frequency	Valid Percent
No	37	20.4
Yes	144	79.6
Total	181	100.0

Q59o: Contraception services - no services are provided	Frequency	Valid Percent
no	173	95.6
yes	8	4.4
Total	181	100.0

Q60: Do you refer to other providers if no services onsite?	Frequency	Valid Percent
Yes	44	100.0
Missing/not applicable	137	
Total	181	

## Pregnancy Testing & Counseling

Q61: Is pregnancy testing offered at the health center?	Frequency	Valid Percent
yes, provider performed	86	48.9
yes, lab performed	88	50.0
no	2	1.1
Total	176	100.0
Missing	5	
Total	181	

Q63a: Pregnancy f/u - all options counseling is provided	Frequency	Valid Percent
No	30	16.6
Yes	151	83.4
Total	181	100.0

Q63b: Pregnancy f/u –limited counseling is provided	Frequency	Valid Percent
No	157	86.7
Yes	24	13.3
Total	181	100.0

Q63c: Pregnancy f/u - adoption referral	Frequency	Valid Percent
No	78	43.1
Yes	103	56.9
Total	181	100.0

Q63d: Pregnancy f/u - abortion referral	Frequency	Valid Percent
No	77	42.5
Yes	104	57.5
Total	181	100.0

Q63e: Pregnancy f/u - prenatal care referral	Frequency	Valid Percent
No	53	29.3
Yes	128	70.7
Total	181	100.0

Q63f: Pregnancy f/u - prenatal care provided on-site	Frequency	Valid Percent
No	180	99.4
Yes	1	.6
Total	181	100.0

Q63g: Pregnancy f/u – medical abortion provided on-site	Frequency	Valid Percent
No	180	99.4
Yes	1	.6
Total	181	100.0

63h: Pregnancy f/u - no services are provided	Frequency	Valid Percent
No	176	97.2
Yes	5	2.8
Total	181	100.0

### Pregnancy Lab Test Data

**Overall Positivity: 48586 tests done, 3638 tests positive, 7.5% positive**

#### Descriptive Statistics

Q62: Pregnancy Test Positivity	N (schools)	Min	Max	Sum	Mean	Std. Deviation
Pregnancy tests, # tests done	130	4.00	3579.00	48586	373.7385	461.97106
Pregnancy tests, # positive	130	.00	122.00	3638	27.9846	30.82232
Pregnancy tests, % positive	130	.00	.44	n/a	.0870	.06714

*Note: schools providing incomplete data were excluded from this analysis*

### GYT (Get Yourself Tested) 2011 Campaign Questions

Q64: GYT - did you experience an increase in STD testing during April 2011?	Frequency	Valid Percent
Yes	48	28.1
No	73	42.7
Unknown	50	29.2
Total	171	100.0

Q65: GYT – did your health center participated in the 2011 GYT campaign?	Frequency	Valid Percent
Yes	73	42.7
No	91	53.2
Unknown	7	4.1
Total	171	100.0

Q66: GYT – did the health center offered free or reduced cost STD tests in 2011?	Frequency	Valid Percent
Yes	45	44.6
No	51	50.5
Unknown	5	5.0
Total	101	100.0