Maryland High School Survey

Caroline County

Trend Analysis Report

Total **Injury and Violence**

				H	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN9: P or more		-					ho had l	been dri	nking al	lcohol (i	in a car 24.9	or other 22.7	vehicle 15.3	,	Decreased, 2013-2018	Not available [§]	No change
QN10: times du days bet	ring the	30 day	s before						2		0		·		Decreased, 2013-2018	Not available	No change

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Trend Analysis Report

Total Injury and Violence

				H	ealth Ri	isk Beha	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN11: 1 the 30 da survey)																	
											46.3	33.7	34.1	38.2	No linear change	Not available [§]	No change
QN13: 1 day duri						eapon o	n school	l proper	ty (such	as a gu	n, knife	e, or clu	o, on at	least 1	,,		
											7.7	5.5	8.4	4.0	Decreased, 2013-2018	Not available	Decreased
QN14: 1 or for a s													for hu	nting			
													8.0	5.6	No linear change	Not available	No change

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Trend Analysis Report

Total		
Injury	and	Violence

				Н	lealth R	isk Beha	avior an	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN16: 1 knife, or										on scho	ol prop	erty (su	ch as a g	gun,			
											10.8	8.7	8.9	13.3	Increased, 2013-2018	Not available [§]	Increased
QN18: 1 months b				who we	ere in a p	hysical	fight on	school	property	v (one o	r more	times d	uring the	e 12			
			•								15.4	13.7	12.7	9.7	Decreased, 2013-2018	Not available	No change
QN22: 1 someone with an o went out	e they v object	vere da or weap	ting or g on] one	oing out or more	with [continues do	ounting s uring the	such thin 2 mor	ngs as b nths bef	eing hit	, slamm	ned into	someth	ing, or i	njured			
											12.5	12.4	10.3	13.3	No linear change	Not available	No change

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Trend Analysis Report

Total		
Injury	and	Violence

	u viore			Н	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN23: I	Percenta	age of s	tudents	who we	re bullie	d on sch	lool proj	perty (ev	ver duri	ng the 1	2 mont	hs befor	re the su	rvey)			
											24.0	26.9	26.6	22.6	No linear change	Not available [§]	Decreased
QN24: I Faceboo										g bullied	d throug	h textir	ıg, Insta	gram,			
											16.9	18.9	16.3	17.2	No linear change	Not available	No change
QN25: I stopped											eks in a	row so	that the	у	·		
											27.6	28.8	29.2	31.1	Increased, 2013-2018	Not available	No change

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Trend Analysis Report

Total **Injury and Violence**

				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26: survey)	Percent	age of s	tudents	who seri	iously co	onsidere	d attem	pting su	icide (e	ver duri	ing the 1 16.7	2 mont 19.7	hs befor 17.8	e the 18.7	No linear change	Not available [§]	No change
QN27: before t		•	tudents	who mae	de a pla	n about	how the	y would	l attemp	ot suicid	e (durin 13.1	0	2 months 15.3	5 15.1	No linear change	Not available	No change

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Trend Analysis Report

Total	
Tobacco	Use

				H	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN32: I survey)	Percenta	age of s	tudents	who cur	rently si	noked c	igarette	s (on at	least 1 o	day duri	ng the	30 days	before t	he			
											22.2	18.8	13.9	7.9	Decreased, 2013-2018	Not available [§]	Decreased
QNFRC days bef				ents wh	o curren	tly smol	ked ciga	rettes fi	requentl	y (on 20) or mo	re days	during t	he 30			
		~;))									10.9	7.5	4.1	2.0	Decreased, 2013-2018	Not available	Decreased
QNDAY before th			ge of st	udents v	who curr	ently sn	noked ci	garettes	s daily (on all 30) days (during tl	ne 30 da	ys			
		<i></i>									8.3	6.0	3.1	1.3	Decreased, 2013-2018	Not available	Decreased
QN34: I vape pip eGo, and	es, vapi	ng pens															
,	1/											42.9	42.2	54.3	Increased, 2014-2018	Not available	Increased

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Trend Analysis Report

Total Tobacco Use

				H	ealth Ri	sk Beha	ivior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN35: 1 e-pipes, Plus, eG	vape pi	pes, vap	ing pen	s, e-hoo	kahs, an	d hooka	h pens [such as	blu, NJ								
												26.2	19.6	40.1	Increased, 2014-2018	Not available [§]	Increased
QNFRE during th					o curren	tly used	electro	nic vapo	or produ	icts freq	uently ((on 20 d	or more	days	·		,
												6.3	3.8	11.9	Increased, 2014-2018	Not available	Increased
QNDAY the 30 da				udents v	who curi	ently us	ed elect	ronic va	apor pro	oducts d	aily (on	all 30	lays du	ring			
												4.9	3.2	9.3	Increased, 2014-2018	Not available	Increased
QNTB5 day duri						smoked	cigarett	es or us	ed elec	tronic v	apor pro	oducts	(on at l	east 1			
												32.9	25.1	41.0	Increased, 2014-2018	Not available	Increased

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Trend Analysis Report

Total	
Tobacco	Use

				H	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
(such as	Percenta s a conve among s	enience	store, su	ıpermarl	ket, disc	ount stor	re, gas s	tation, c	or vape	store, di	uring the	e 30 day					
													13.7	6.9	Decreased, 2016-2018	Not available [§]	Decreased
	Percenta able toba	icco pro	ducts [s	uch as C	Copenha	gen, Gri	zzly, Sk	oal, or (nic			
	roducts,		ast i ua	y during	, the SO	Jays Der		,ui vey)									
vapor pi	roducts,	on at le		y during	, the 50 t	lays ber		,ui vey)					7.9	5.8	No linear change	Not available	No change
vapor pr	Percenta ihe 30 da	age of s	tudents	who cur					garillos,	or little	e cigars,	on at le			No linear change	Not available	No change

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Trend Analysis Report

Total Tobacco Use

				Н	ealth Ri	isk Beh	avior an	d Perco	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNTB2: before th		U	students	s who ci	urrently	smoked	l cigaret	tes or ci	gars (or	at least	t 1 day o	luring t	he 30 da	ays			
											26.8	22.9	18.1	10.7	Decreased, 2013-2018	Not available [§]	Decreased

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Trend Analysis Report

Total			
Alcohol and	Other	Drug	Use

				Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40: 1	Percent	age of s	tudents	who hac	l their fi	rst drink	of alco	hol befo	ore age 1	13 years	(other	than a t	ew sips)			
											26.1	25.5	21.5	18.3	Decreased, 2013-2018	Not available [§]	No change
QN41: 1 the 30 da				who cur	rently di	rank alco	ohol (at	least on	e drink	of alcol	nol, on	at least	1 day d	uring			
	-		•								36.9	31.3	25.8	33.7	No linear change	Not available	Increased
QN42: 1 female s day duri	students	or five	or more	drinks	of alcoho	c	-	0									
													14.3	18.7	Increased, 2016-2018	Not available	Increased

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Trend Analysis Report

Total Alcohol a	and Oth	er Dru	g Use	н	ealth R	isk Beh	avior at	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from
																Quantume change	2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN45:	Percent	age of s	tudents	who eve	er used r	narijuan	a (one c	or more	times dı	uring the	eir life)						
											38.9	35.0	32.1	34.1	No linear change	Not available [§]	No change
QN46:	Darcant	age of s	tudente	who trie	d marii	uana for	the first	time b	afora ag	a 13 va							
Q1140.	I elcent	age of s	luuents	who the	u marij	ualla 101		. unie od	eiore ag	e 15 yea	11.5	12.7	10.2	6.9	Decreased, 2013-2018	Not available	Decreased
QN47: survey)		age of s	tudents	who cur	rently u	sed mar	ijuana (o	one or n	nore tim	es durir	ng the 3	0 days b	efore th	e			
~~~···j/											21.2	21.3	19.6	20.0	No linear change	Not available	No change
															-		
QN48:	Percent	age of s	tudents	who eve	er used s	synthetic	marijua	ana (one	e or mor	e times	during	their life	:)				
												12.5	9.8	6.6	Decreased, 2014-2018	Not available	Decreased

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Total			
Alcohol and	Other	Drug	Use

			3	H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN49: 1 different Hydrocc	ly than	how a d	loctor to	ld them	to use i	t (counti	ing drug	s such a									
													14.7	12.8	No linear change	Not available [§]	No change
QN50: 1 one or m					er used c	ocaine (	any form	n of coc	caine, in	cluding	powde	r, crack	or free	base,			
											10.7	8.9	8.1	4.0	Decreased, 2013-2018	Not available	Decreased
QN52: 1 times du			tudents	who eve	er used h	eroin (a	lso calle	d "smao	ck," "jui	nk," or "	'China '	White,"	one or 1	nore			.,
											8.1	7.2	5.3	4.0	Decreased, 2013-2018	Not available	No change
QN53: 1 "ice," or							hetamin	es (also	called	"speed,'	" "crysta	al meth,	" "cranl	ς,"			
											7.8	5.9	6.5	3.7	Decreased, 2013-2018	Not available	No change

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Total		
Alcohol and	Other Drug	Use

			He	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54: Percenta	ge of st	udents	who eve	r used e	cstasy (	also call	ed "MD	9MA," c	one or m	ore tim	es durir	g their	life)			
										11.8	8.9	7.0	4.5	Decreased, 2013-2018	Not available [§]	No change
QN56: Percenta body, one or mo					ed any il	legal dr	ug (used	l a need	le to inj	ect any	illegal	lrug int	o their			
										5.9	4.9	4.0	4.5	No linear change	Not available	No change
QN57: Percenta months before th	0		who wer	e offere	ed, sold,	or giver	n an ille	gal drug	on sch	ool proj	perty (d	uring th	e 12			
										26.0	22.4	19.5	21.3	Decreased, 2013-2018	Not available	No change

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				H	ealth Ri	isk Beha	avior ar	d Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN58:	Percenta	ige of st	udents	who eve	r had se	xual inte	ercourse	;		-	52.8	42.1	40.7	45.1	No linear change	Not available [§]	No change
QN59:	Percenta	ige of st	udents	who had	l sexual	intercou	rse for t	he first	time be	fore age	e 13 yea 8.2	urs 6.2	7.5	4.0	Decreased, 2013-2018	Not available	Decreased
QN60:	Percenta	ige of st	udents	who had	l sexual	intercou	irse with	1 four of	more p	ersons	during t 17.2	their life 11.4	9.7	11.3	Decreased, 2013-2018	Not available	No change
QN61: during t					re currei	ntly sexu	ally act	ive (hac	l sexual	interco	urse wit 39.0	th at leas	st one po 29.8	erson, 34.2	No linear change	Not available	No change

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**Trend Analysis Report** 

### Total Sexual Behaviors

				H	ealth Ri	sk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change*	<b>Change from</b> <b>2016-2018</b> [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN62: 1 who wer					nk alcoł	nol or us	ed drug	s before	last sex	cual inte	ercourse	e (amon	g studei	nts			
		j	,, j	,							26.2	26.9	19.7	22.1	No linear change	Not available [§]	No change
QN63: currently				who use	d a cond	lom dur	ing last	sexual i	ntercou	rse (am	ong stud	dents w	ho were 55.3	56.0	No linear change	Not available	No change
QN64: ]	Percent	age of s	tudents	who use	d birth d	control r	oills befo	ore last s	exual in	ntercou	rse (to r	prevent	pregnan				
among s								jie lust	, on util in	intereou	27.5	27.0	24.1	24.2	No linear change	Not available	No change
QNIUD or Nexpl active)																	
											4.8	7.5	10.0	9.4	No linear change	Not available	No change

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Total
<b>Sexual Behaviors</b>

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**Trend Analysis Report** 

### Total Sexual Behaviors

				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNBCN intercou									prevent	pregnai	ncy duri	ng last s	exual				
											9.2	13.3	12.9	11.9	No linear change	Not available [§]	No change
QN84: done if				who we	re ever t	ested fo	r humar	ı immur	odefici	ency vii	rus (HIV	7) (not c	ounting	tests			

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**Trend Analysis Report** 

#### Total Weight Management and Dietary Behaviors Health Risk Behavior and Percentages Linear Change* Quadratic Change* **Change from** 2016-2018 * 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNOWT: Percentage of students who were overweight (>= 85th percentile but <95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)[§] 16.0 16.8 16.2 17.8 No linear change Not available[¶] No change ONOBESE: Percentage of students who had obesity (>= 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)§ 15.0 13.9 16.5 16.0 No linear change Not available No change QN67: Percentage of students who described themselves as slightly or very overweight 32.7 30.8 30.7 31.8 No linear change Not available No change QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) 26.2 28.6 29.5 31.4 Increased, 2013-2018 Not available No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

⁸Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

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### Total Weight Management and Dietary Behaviors Health Risk Behavior and Percentages Linear Change^{*} Quadratic Change* **Change from** 2016-2018 * 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) 20.1 17.6 21.5 20.6 No linear change Not available§ No change ONFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) 8.4 9.3 10.4 10.5 No linear change Not available No change QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) 52.5 55.1 51.3 49.2 Decreased, 2013-2018 Not available No change

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Total Weight N	Ianage	ment ar	nd Dieta	ry Beha	aviors												
				H	ealth Ri	isk Beh	avior ar	d Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
		÷		:					:		:	·					
QNFR2 orange j										or more	times p	er day (	such as				
											25.7	28.8	25.6	25.2	No linear change	Not available [§]	No change
<u> </u>																	
QN71:	Percent	age of s	tudents	who did	not eat	green sa	ulad (one	e or mo	re times	during	the 7 da	ays befo	re the su	urvey)			
											40.8	44.3	47.6	48.3	Increased, 2013-2018	Not available	No change
QN72:	Percent	age of s	tudents	who did	not eat	potatoes	s (one of	more t	imes du	ring the	e 7 days	before	the surv	ey)	· · · ·		
		C								U	33.1	36.5	40.3	42.8	Increased, 2013-2018	Not available	No change
QN73:	Percent	age of s	tudents	who did	not eat	carrots	(one or 1	nore tir	nes duri	ng the 7	7 days b	efore th	e survey	y)			
											55.0	53.3	61.7	60.0	Increased, 2013-2018	Not available	No change

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### Total Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages	Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         2011         2013         2014         2016         2018			
QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)			
19.0 20.3 23.6 21.8	No linear change	Not available [§]	No change
QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)			
7.7 9.1 11.0 10.6 In	ncreased, 2013-2018	Not available	No change
QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)			
62.2 59.9 53.6 52.9 D	Decreased, 2013-2018	Not available	No change

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Total
Weight Management and Dietary Behaviors

			H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	<b>Change from</b> <b>2016-2018</b> [†]
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNVEG2: Per French fries, fri																
										25.1	26.3	21.8	19.1	Decreased, 2013-2018	Not available [§]	No change
QNVEG3: Per [excluding Frer survey)													e the			
•										13.4	13.7	12.6	9.6	Decreased, 2013-2018	Not available	Decreased
QN75: Percent Sprite, not cour									or pop	(such a	s Coke,	Pepsi,	or			
										26.1	27.8	29.6	25.3	No linear change	Not available	No change

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				H	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
													2010	2010			
ONSODA	A1: Pe	rcentag	e of stud	lents wh	no drank	a can, t	bottle, or	r glass o			ne or m	-					
		0				,	,	0	of soda c	or pop o		ore tim	es per d				
NSODA such as C		0				,	,	0	of soda c	or pop o		ore tim	es per d		Decreased, 2013-2018	Not available ^{\$}	No change
-		0				,	,	0	of soda c	or pop o	efore th	ore tim e surve	es per d	ay		Not available [§]	No chang
-	Coke, P	Pepsi, or	• Sprite,	not cou	nting di	et soda (	or diet p	op, duri r glass o	of soda of ng the 7	or pop o 7 days b or pop tv	efore th 22.0 wo or m	ore time e surve 23.0 ore tim	es per d 7) 17.0 es per d	ay 16.0		Not available [§]	No chang

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Total	
<b>Physical Activity</b>	

Health Risk Behavior and Percentages		Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         2011         2013         2011	4 2016 2018	3		
QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more kind of physical activity that increased their heart rate and made them breathe hard some of the time days before the survey)				
40.2 36.9	40.6 44.3	Increased, 2013-2018	Not available [§]	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activit 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard so during the 7 days before the survey)				
20.9 22.0	22.8 15.8	Decreased, 2013-2018	Not available	Decreased
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all kind of physical activity that increased their heart rate and made them breathe hard some of the time days before the survey)				
23.4 19.1	20.2 23.1	No linear change	Not available	No change

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				H	ealth Ri	isk Beh	avior ar	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN79:	Percenta	nge of st	udents	who wat	ched te	levision	3 or mo	re hours	s per day	y (on ar	n averag	e schoo	l day)				
											31.4	31.0	25.3	19.6	Decreased, 2013-2018	Not available [§]	Decreased
-				-													
	Percenta g time s m, Facel	pent on	things s	such as 2	Xbox, P	layStati	on, an iF	ad or o	ther tabl	let, a sn	nartphoi	ne, texti	ng, Ŷou	Tube,			
(countir	g time s	pent on	things s	such as 2	Xbox, P	layStati	on, an iF	ad or o	ther tabl	let, a sn	nartphoi	ne, texti	ng, Ŷou	Tube,	Increased, 2013-2018	Not available	Increased
(countir Instagra	g time s m, Face Percenta	pent on book, or ge of st	things s other s	such as 2 ocial mo	Xbox, P edia, for	layStati someth	on, an iF ing that	ad or of was not	ther tabl t school	let, a sm work, c	nartphoi on an av 34.3	ne, texti verage s 37.4	ng, Ŷou chool da 36.0	Tube, y) 44.9	Increased, 2013-2018	Not available	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

### Total Physical Activity

				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDLY week w		0			o attenc	led phys	sical edu	ication (	PE) cla	sses on		ys (in a 21.4	n averag 24.0	e 26.9	No linear change	Not available [§]	No change
QN83: times de						ussion fi	rom play	ying a sj	port or b	being ph	iysically	active	(one or 1	more 18.1	No linear change	Not available	No change

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**Caroline County** 

**Trend Analysis Report** 

Total Other				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	 i		
QN86: during tl						st (for a	check-1	up, exan	n, teeth	cleaning	g, or oth	er denta	ıl work,				
U				Ĵ	,							72.3	72.3	77.4	Increased, 2014-2018	Not available [§]	Increased
QNNOE work)	ONT: Po	ercentag	ge of stu	dents w	ho neve	r saw a	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning, c	r other	dental			
,												2.7	2.0	2.3	No linear change	Not available	No change
QN87:	Percenta	age of st	udents	who had	l ever be	en told	by a doo	ctor or r	urse that	at they h	ad asth	ma					
											28.9	27.0	30.8	26.5	No linear change	Not available	Decreased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Total Site-Add	ed			н	ealth R	isk Beh	avior aı	nd Perc	entages	5					Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN90:	Percent	age of s	tudents	who are	transge	ender				-	-		3.3	1.5	Decreased, 2016-2018	Not available [§]	Decreased
QN93: before th									ng (on at	t least 1	day du	ing the	30 days 30.5	39.8	Increased, 2016-2018	Not available	Increased
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette l	before a	ge 13 ye	ears (for	the firs	t time) 14.3	10.5	4.8	Decreased, 2013-2018	Not available	Decreased
QN98: day duri						bacco in	a hooka	ah, nargi	hile, or	other ty	pe of w	aterpipe	(on at le 5.0	east 1 2.2	Decreased, 2016-2018	Not available	Decreased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_
-	Percenta	U			-			U			flavor w	vith an e	electroni	с	
rupor p		unong s	audents	who hav	ve ever	used an	electron	nc vapo	r produc	ct)		02.4	07.0	077	Increased 2014 201
rupor p		unong s	students	who hav	ve ever	used an	electron	iic vapo	r produc	xt)		93.4	97.0	97.7	Increased, 2014-201
QN101:	Percen	tage of									oke mai				Increased, 2014-201
QN101:		tage of									oke mar				
QN101:	Percen	tage of									oke mar		THC or	hash	Increased, 2014-201
QN101: oil, or T QN102:	Percen	tage of the state	students	who ha	ive ever	used an	electro	nic vapo	or produ	ct to sm		ijuana,	THC or 9.1	hash 14.1	

QN103: Percentage of students who used flavored tobacco products (flavored cigars, cigarillos, or little cigars, flavored smokeless tobacco products, or both, not counting menthol cigarettes, during the 30 days before the survey) 15.8 16.3 9.4 5.9 Decreased, 2013-2018 Not available

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. ^{*}Based on t-test analysis, p < 0.05. [§]Not enough years of data to calculate.

Total

Quadratic Change*

Not available§

Not available

Not available

Change from 2016-2018 [†]

No change

Increased

Decreased

Decreased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Total
Site-Added

				H	ealth Ri	sk Beha	wior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	<b>Change from</b> <b>2016-2018</b> [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN104: the surve		tage of	students	s who tri	ed or us	ed tobac	co prod	ucts for	the firs	t time (	during	the 12 r	nonths t	before			
	- , ,											15.3	8.2	10.9	Decreased, 2014-2018	Not available [§]	No change
QN105: survey, a												2 mont	hs befor	e the			
•	C						C				34.0	32.6	36.8	9.5	Decreased, 2013-2018	Not available	Decreased
QN106:	Percen	tage of	students	s who liv	ve with s	omeone	who no	w smok	es ciga	rettes or	cigars						
											50.1	47.7	41.0	38.0	Decreased, 2013-2018	Not available	No change
QN107: allowed										home i	s that s	moking	; is not				
													75.9	82.0	Increased, 2016-2018	Not available	Increased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Total
Site-Added

				H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN108: during tl					ere in th	e same 1	oom wi	th some	one wh	o was si	noking	(on at ]	east one	e day			
													35.3	31.7	No linear change	Not available [§]	No change
QN110: chool y		tage of	students	who w	ere taug	ht in the	ir classe	s about	the dan	gers of	tobacco	use (di	uring the	e last			
school y	car)										75.4	69.8	63.5	64.4	Decreased, 2013-2018	Not available	No change
N117: riends	Percen	tage of	students	who sa	y defini	tely yes	or proba	ably yes	that yo	ung peo	ple wh	o smok	e have n	nore			
											35.3	35.1	34.2	40.2	No linear change	Not available	Increased
N1110	Percen	tage of	students	who sa	v defini	telv ves	or proba	ably yes	that sm	oking n	nakes v	oung pe	eople lo	ok	· · · ·		
cool or f		2			5		I I I I		that sh			8 r	I.				

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Total Site-Added

				Н	ealth Ri	sk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN119: parents i		0						eking h	elp fron	n one or	more a	dults be	sides th	eir			
											79.5	78.2	74.4	76.0	Decreased, 2013-2018	Not available [§]	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male		
Injury a	and	Violence

			H	ealth R	isk Beh	avior ar	d Perce	entages						Linear Change [*]	Quadratic Change [*]	<b>Change from</b> <b>2016-2018</b> [†]
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u>.</u>		
QN9: Percentag or more times du	·					ho had l	been dri	nking al	cohol (i	in a car	or othe	vehicle	e, one			
										28.3	24.7	15.3	15.4	Decreased, 2013-2018	Not available [§]	No change
QN10: Percenta times during the days before the s	30 days							-		0		·				
										21.9	17.5	10.5	9.2	Decreased, 2013-2018	Not available	No change
QN11: Percenta the 30 days befo survey)																
										52.5	37.6	34.7	34.1	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

### Male Injury and Violence

njur y unu v				H	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	<b>Change from</b> <b>2016-2018</b> [†]
1991 19	993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN13: Perc day during the						eapon o	n school	l proper	ty (such	as a gu	ın, knife	, or clu	b, on at	least 1			
											11.4	6.3	11.8	6.1	No linear change	Not available [§]	Decreased
QN14: Perc or for a spor													y for hu	nting			
													11.5	9.2	No linear change	Not available	No change
QN16: Perc knife, or clu										on scho	ol prope	erty (su	ch as a g	gun,			
											12.8	10.6	10.9	15.4	No linear change	Not available	

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male		
Injury	and	Violence

injury and vioi	Health Risk Behavior and Percentages											Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]		
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN18: Percen months before			who wer	e in a p	hysical	fight on	school	property	/ (one o	r more	times dı	iring th	e 12			
										18.5	17.7	17.8	11.8	Decreased, 2013-2018	Not available [§]	Decreased
QN22: Percen someone they with an object went out with s	vere dati or weapo	ng or go on] one o	oing out or more	with [co times do	ounting uring the	such this e 12 mor	ngs as b nths bef	eing hit	, slamn	ned into	someth	ing, or i	injured			
										13.1	10.6	10.2	10.9	No linear change	Not available	No change
QN23: Percen	tage of s	tudents	who wer	e bullie	d on sch	nool proj	perty (e	ver duri	ng the 1	2 mont	hs befo	re the su	urvey)			
										20.4	22.6	21.7	18.0	No linear change	Not available	No change

 *Based  on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  *Based  on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male	
Injury and	Violence

njury and Violence Health Risk Behavior and Percentages											Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]				
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN24: Faceboo											d throu	gh texti	ng, Insta	ıgram,			
											13.9	14.6	11.1	12.5	No linear change	Not available [§]	No change
ON25.	Doroont		. 1 .											·	· · · · · ·		,
				who fel vities, ev						>=2 we vey)	eks in a	tow so	that the	У			
											eks in a 20.4	18.9	that the	y 20.4	No linear change	Not available	No change
stopped	doing s	ome us	ual activ		er durin	g the 12	months	before	the surv	vey)	20.4	18.9	17.1	20.4	No linear change	Not available	No change
QN26:	doing s	ome us	ual activ	vities, ev	er durin	g the 12	months	before	the surv	vey)	20.4	18.9 12 mon	17.1	20.4 re the	No linear change	Not available Not available	No change No change
QN26: survey) QN27:	doing s Percent	age of s	ual activ	vities, ev	er durin	g the 12	months d attemp	before pting su	icide (e	vey) ver duri	20.4 ng the 14.2	18.9 12 mon 14.6	17.1 ths befo 11.9	20.4 re the 10.5			

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male	
Tobacco	Use

				F	lealth R	isk Beh	avior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	<b>Change from</b> 2016-2018 [†]
1991	1993	1995	1997	/ 1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN32: I survey)																	
											27.2	20.3	16.2	9.0	Decreased, 2013-2018	Not available [§]	Decreased
	FRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 s before the survey)																
			,								14.0	9.3	5.3	1.9	Decreased, 2013-2018	Not available	Decreased
QNDAY before th			age of	students	who curi	ently sn	noked ci	garettes	daily (	on all 3	0 days (	during t	he 30 da	iys			
		.,,,									10.9	7.3	3.9	1.5	Decreased, 2013-2018	Not available	Decreased
QN34: H vape pipe eGo, and	es, vap	ing pen															
												45.8	45.1	50.7	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male Tobacco Use

				Н	ealth Ri	sk Beha	ivior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-					
e-pipes,	N35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin us, eGo, and Halo], on at least 1 day during the 30 days before the survey) 30.2 23.7 37.2 Increased 2014-2018 Not available ⁸ Increased																			
												30.2	23.7	37.2	Increased, 2014-2018	Not available [§]	Increased			
	REVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days ag the 30 days before the survey)																			
												8.1	5.8	14.4	Increased, 2014-2018	Not available	Increased			
	YEVP: 1 ays befo			udents v	who curr	ently us	ed elect	ronic va	por pro	ducts da	aily (on	all 30 d	lays du	ring						
												6.7	5.1	11.2	Increased, 2014-2018	Not available	Increased			
NTB5	: Percei				urrently	6.7 5.1 11.2 Increased, 2014-2018 Not available Increased NTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1														
	ing the 3	0 days I	before the	e surve			C													

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male Tobacco Uso

				H	ealth Ri	isk Beha	avior an	d Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
(such as	N36: Percentage of students who usually got their own electronic vapor products by buying them in a store uch as a convenience store, supermarket, discount store, gas station, or vape store, during the 30 days before the urvey, among students who currently used electronic vapor products and who were aged <18 years)																
													16.6	10.0	No linear change	Not available [§]	No change
lissolva	16.6       10.0       No linear change       Not available [§] No change         N37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or solvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic por products, on at least 1 day during the 30 days before the survey)       No linear change       No tavailable [§] No change																
													11.7	8.2	No linear change	Not available	No change
	Percenta	age of s			rently si	moked c	igars (ci	gars, ci	garillos,	, or little	e cigars,	on at le	ast 1 da	ay			
	he 30 da	iys befo	re the su	irvey)													

 * Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  * Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Maryland High School Survey

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**Trend Analysis Report** 

Male Tobacco Use

	Health Risk Behavior and Percentages           1993         1995         1997         1999         2001         2003         2005         2007         2009         2011         2013         2014         2016														Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
-	VTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days fore the survey)																
											32.9	25.3	21.8	12.7	Decreased, 2013-2018	Not available [§]	Decreased

Maryland High School Survey

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**Trend Analysis Report** 

Male		
Alcohol and	<b>Other Drug</b>	Use

				Н	ealth Ri	isk Beha	avior ar	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40: 1	Percenta	age of s	tudents	who hac	l their fi	rst drink	of alco	hol befo	ore age 1	13 years	s (other	than a f	ew sips	)			
											30.2	28.6	25.1	21.5	Decreased, 2013-2018	Not available [§]	No change
QN41: 1 the 30 da				who cur	rently di	rank alco	ohol (at	least on	e drink	of alcol	hol, on	at least	1 day di	uring			
											36.1	29.5	27.0	28.1	Decreased, 2013-2018	Not available	No change
QN42: 1 female s day durin	tudents	or five	or more	drinks	of alcoho												
													16.2	16.2	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male Alcohol a	ol and Other Drug Use Health Risk Behavior and Percentages															Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN45:	Percent	age of s	tudents	who eve	er used r	narijuan	ia (one c	or more	times dı	uring the	eir life)						
											42.6	35.8	31.7	30.3	Decreased, 2013-2018	Not available [§]	No change
QN46:	Percent	age of s	tudents	who trie	d marij	uana for	the firs	t time be	efore ag	e 13 yea	ars				·		
		C			U				C	·	16.4	17.3	13.1	8.3	Decreased, 2013-2018	Not available	Decreased
QN47: survey)	Percent	age of s	tudents	who cur	rently u	sed mar	ijuana (	one or n	nore tim	es durir	ng the 3	0 days b	efore th	ie			
											25.0	23.0	19.1	17.2	Decreased, 2013-2018	Not available	No change
QN48:	Percent	age of s	tudents	who eve	er used s	synthetic	e mariju	ana (one	e or mor	e times	during	their life	e)				
												14.4	11.3	6.5	Decreased, 2014-2018	Not available	Decreased

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**Trend Analysis Report** 

Male			
Alcohol and	Other	Drug	Use

		er Druş		H	ealth Ri	sk Beha	wior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991															3		
different	149: Percentage of students who ever took prescription pain medicine without a doctor's prescription or ferently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, OxyContin, drocodone, and Percocet, one or more times during their life) 15.0 10.3 No linear change Not available [§] Decreased																
													15.0	10.3	No linear change	Not available [§]	Decreased
QN50: I one or m					r used c	ocaine (a	any forn										
											14.7	11.5	11.3	4.7	Decreased, 2013-2018	Not available	Decreased
QN52: I times du			tudents	who eve	r used h	eroin (al	lso calle	d "smac	:k," "jur	1k," or "	'China '	White,"	one or	more			
											11.6	10.0	7.0	4.4	Decreased, 2013-2018	Not available	No change
QN53: I "ice," or							hetamin	es (also	called	"speed,"	' "cryst	al meth	," "cran	k,"			
											10.9	7.2	8.3	4.5	Decreased, 2013-2018	Not available	Decreased

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**Caroline County** 

**Trend Analysis Report** 

2009 2011 2013 2014 2016 2018

Linear Change^{*}

Quadratic Change^{*}

Change from 2016-2018 [†]

Male Alcohol a	nd Oth	er Drug	g Use						
				н	ealth R	isk Beh	avior aı	nd Perc	entages
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009

QN54: Percentage of students who ever used ecstasy (also called "MDMA," one or more times during their life)

	15.6	11.2	8.5	6.1	Decreased, 2013-2018	Not available [§]	No change
QN56: Percentage of students who ever injected any illegal drug (used a needle t body, one or more times during their life)	o inject any	y illegal	drug in	to their			
	8.2	7.1	5.5	5.6	No linear change	Not available	No change
QN57: Percentage of students who were offered, sold, or given an illegal drug or months before the survey)	school pro	operty (	luring th	ne 12			
	31.5	25.1	20.3	20.0	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

				Н	ealth Ri	sk Beha	avior an	d Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN58:	Percenta	ige of st	udents v	vho eve	r had se	xual inte	ercourse	;		1	53.5	40.3	42.8	45.0	No linear change	Not available [§]	No change
QN59:	Percenta	ige of st	udents v	vho had	sexual	intercou	rse for t	he first	time be	fore age	e 13 yea 12.0	urs 9.8	10.8	5.4	Decreased, 2013-2018	Not available	Decreased
_	Percenta Percenta										12.0	9.8		5.4	Decreased, 2013-2018	Not available	Decreased
_											12.0	9.8		5.4	Decreased, 2013-2018 Decreased, 2013-2018	Not available Not available	Decreased No change
QN60: QN61:		nge of st	udents v	who had	sexual	intercou	rse with	ı four or	r more p	persons	12.0 during t 19.2	9.8 heir life 13.8	12.1	12.5			

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male
<b>Sexual Behaviors</b>

				Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change*	<b>Change from</b> <b>2016-2018</b> [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN62: I who wer					nk alcoł	nol or us	ed drug	s before	last sex	kual inte	ercourse	e (amon	g studer	nts			
who wer	e currer	ing sex	uniy uo								35.5	39.2	19.3	21.6	Decreased, 2013-2018	Not available [§]	No change
QN63: I currently				who use	d a cond	dom dur	ing last	sexual i	ntercou	rse (amo	ong stud	lents w	ho were				
											69.1	56.3	65.6	68.2	No linear change	Not available	No change
QN64: I among st							oills befo	ore last	sexual in	ntercou	rse (to p	orevent	pregnan	cy,			
U				5	5	,					17.1	15.3	18.6	22.6	No linear change	Not available	No change
QNIUDI or Nexpl active)																	
,											2.8	9.2	6.3	3.4	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male
<b>Sexual Behaviors</b>

		H	ealth Ri	sk Beha	vior and	d Percei	ntages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991 1993 1	995 1997	/ 1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNSHPARG: Per control ring (such a currently sexually	as NuvaRir														
									3.1	3.6	2.3	2.9	No linear change	Not available [§]	No change
QNOTHHPL: Per implant (such as In control ring (such a currently sexually a	mplanon or as NuvaRir	Nexpland	on); or a	shot (suc	ch as De	po-Prov	era), pa	atch (su	ch as Oi	rthoEvr	a), or bi				
									22.9	28.1	27.2	28.9	No linear change	Not available	No change
QNDUALBC: Per pills; an IUD (such Depo-Provera), pat (to prevent pregnar	h as Mirena tch (such a	or ParaG OrthoEv	ard) or in ra), or b	mplant ( irth cont	such as l rol ring	Implano (such as	n or Ne NuvaF	ual inte	rcourse n); or a	and bir shot (su	th contraction the contraction of the contraction o	ol	No linear change	Not available	No change

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**Trend Analysis Report** 

#### Male Sexual Behaviors

				H	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QNBCN									prevent	pregnai	ncy duri	ng last s	exual	:			
		0				,	<b>j</b>				10.8	15.5	7.8	13.5	No linear change	Not available [§]	No change
QN84: done if		•		who wei	re ever t	ested fo	r humar	ı immur	odefici	ency vir	us (HIV	7) (not co 15.8	ounting 19.0	tests 13.1	No linear change	Not available	Decreased

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**Trend Analysis Report** 

				Н	ealth Ri	isk Beha	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNOW index, b												tile for	body ma	ISS			
											15.6	16.3	14.9	16.0	No linear change	Not available [¶]	No change
									ile for b	ody mas	ss index	, based	on sex-	and			
									ile for b	ody mas	ss index 17.0		on sex- 17.7		No linear change	Not available	No change
QNOBE age-spec QN67:	cific refe	erence c	lata fror	n the 20	00 CDC	c growth	charts)	\$			17.0				No linear change	Not available	No change
age-spe	cific refe	erence c	lata fror	n the 20	00 CDC	c growth	charts)	\$			17.0				No linear change No linear change	Not available Not available	No change No change
age-spe	Percenta	age of s	lata fron	n the 20 who des	00 CDC	c growth	charts) ^s res as sli	ghtly or	r very o'	verweig	17.0 ht 24.7	18.1 25.7	17.7 23.9	19.5 28.3			

 * Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  * Based on t-test analysis, p < 0.05.

⁸Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions. ^INot enough years of data to calculate.

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**Trend Analysis Report** 

		Health Risk Behavior and Percentages											Linear Change [*]	Quadratic Change [*]	Change from 2016-2018		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN70: 1	Percenta	age of st	udents v	who did	not eat	fruit (or	ne or mo	ore times	during	the 7 da	ays befo	ore the s	urvey)				
											25.3	20.8	24.5	23.2	No linear change	Not available [§]	No change
			students				or drink	100% fr	uit juice	es (such					No linear change	Not available [§]	No change
			students e 7 days				or drink	100% fr	uit juice	es (such		ge juice			No linear change	Not available [®]	No change
or grape	juice, d	uring th	e 7 days	s before	the surv	vey)			-		as oran 10.2	ge juice 12.2	, apple j 11.4	uice,			
QNFR1:	juice, d	uring th		s before	the surv	vey) or drank	100% f	ruit juic	es one o		as oran 10.2	ge juice 12.2	, apple j 11.4	uice,			

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QNFR2 orange j										or more	times p	er day (	such as				
											27.9	32.5	29.4	28.0	No linear change	Not available [§]	No change
QN71:	Percent	age of s	tudents	who did	not eat	green sa	lad (one	e or mo	re times	during	the 7 da	ays befo	re the s	urvey)	· · · · ·		
											44.9	47.8	51.4	53.2	Increased, 2013-2018	Not available	No change
QN72:	Percent	age of s	tudents	who did	not eat	potatoes	s (one or	r more t	imes du	ring the	e 7 days	before	the surv	ey)			,
											29.4	35.6	39.9	45.3	Increased, 2013-2018	Not available	No change
QN73:	Percent	age of s	tudents	who did	not eat	carrots	(one or 1	nore tir	nes duri	ng the	7 days b	efore th	e surve	y)			

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**Trend Analysis Report** 

#### Male Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages	Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         2011         2013         2014         2016         2018			
QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)			
21.6 23.5 27.6 27.1	No linear change	Not available [§]	No change
QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)			
8.8 11.3 12.9 15.0 1	Increased, 2013-2018	Not available	No change
QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)			
64.0 60.5 52.5 49.0 I	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

#### Male Weight Management and Dietary Behaviors Health Risk Behavior and Percentages Linear Change* Quadratic Change* **Change from** 2016-2018 * 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNVEG2: Percentage of students who ate vegetables two or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) 23.6 17.0 Decreased, 2013-2018 28.7 29.5 Not available§ Decreased QNVEG3: Percentage of students who ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) 15.6 15.2 14.6 9.3 Decreased, 2013-2018 Not available Decreased QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) 21.7 28.2 28.7 21.5 No linear change Not available Decreased

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**Trend Analysis Report** 

		Health Risk Behavior and Percentages							Linear Change [*]	Quadratic Change [*]	Change from 2016-2018						
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2010			
						-							2010	2018	<b>;</b>		
NSOD.	A1: Pe	rcentag	e of stud	ents wh	o drank	a can, t	pottle, or	r glass o									
									f soda o	or pop o	ne or m	ore tim	es per d				
								r glass o	f soda o	or pop o	ne or m	ore tim	es per d		Decreased, 2013-2018	Not available [§]	No change
								r glass o	f soda o	or pop o	ne or m efore th	ore tim e surve	es per d y)	ay	- 	Not available [§]	No chang
Such as (	Coke, F	Pepsi, or	• Sprite,	not cou	nting die o drank	et soda (	or diet p	r glass o op, duri r glass o	f soda o ng the 7 f soda o	or pop o 7 days b or pop tw	ne or m efore th 28.1 wo or m	ore tim e surve 25.0 ore tim	es per d y) 20.5 es per d	ay 20.8	- 	Not available [§]	No chang
Such as (	Coke, F	Pepsi, or	• Sprite,	not cou	nting die o drank	et soda (	or diet p	r glass o op, duri	f soda o ng the 7 f soda o	or pop o 7 days b or pop tw	ne or m efore th 28.1 wo or m	ore tim e surve 25.0 ore tim	es per d y) 20.5 es per d	ay 20.8	- 	Not available [§]	No ch

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male
Physical Activity

Health Risk Behavior and Percentages	Linear Change [*]	Quadratic Change [*]	<b>Change from</b> 2016-2018 [†]
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         2011         2013         2014         2016         2018	_		
QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)			
48.6 44.7 51.0 54.0	Increased, 2013-2018	Not available [§]	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)			
18.2 17.8 19.0 13.3	No linear change	Not available	Decreased
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)			
31.6 27.0 29.8 31.2	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change [*]	<b>Change from</b> 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN79:	Percenta	age of st	udents v	who wat	ched te	levision	3 or mo	re hours	s per day	y (on an	n averag	e schoo	l day)				
											32.7	33.5	26.0	19.1	Decreased, 2013-2018	Not available [§]	Decreased
-	D														· · · · ·		+
	g time s m, Face	pent on	things s	such as 2	Xbox, P	layStati	on, an iF	ad or o	ther tabl	let, a sn	nartphoi	ne, texti	ng, Ŷou	Tube,			
(countir	ig time s	pent on	things s	such as 2	Xbox, P	layStati	on, an iF	ad or o	ther tabl	let, a sn	nartphoi	ne, texti	ng, Ŷou	Tube,	Increased, 2013-2018	Not available	Increased
(countir Instagra	g time s m, Face	pent on book, or age of st	things s other s udents	such as 2 ocial mo	Xbox, P edia, for	layStati someth	on, an iF ing that	ad or of was not	ther tabl	et, a sm work, c	nartphoi on an av 34.5	ne, texti verage s 36.7	ng, You chool da 32.6	Tube, y) 48.5	Increased, 2013-2018	Not available	Increased

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male
Physical Activity

				H	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QNDLY week w					o attenc	led phys	sical edu	cation (	(PE) cla	sses on	all 5 da 29.9	ys (in ai 24.3	n averag 30.1	ge 30.7	No linear change	Not available [§]	No change
QN83: times du						ussion fi	rom play	ving a sj	port or b	being ph	ysically	active	(one or 22.9	more 19.0	No linear change	Not available	No change

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**Trend Analysis Report** 

Male Other				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN86: during ti						st (for a	check-	up, exar	n, teeth	cleaning	g, or oth	er denta	al work,				
uuring v				, sai tey	,							70.4	71.3	74.0	No linear change	Not available [§]	No change
QNNOI work)	ONT: Po	ercentag	ge of stu	dents w	ho neve	r saw a	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning, c	or other	dental			
work)												3.5	2.5	2.6	No linear change	Not available	No change
QN87:	Percenta	age of st	udents	who had	l ever be	en told	by a do	ctor or r	urse th	at they h	ad asth	ma					
											31.2	28.7	33.2	26.3	No linear change	Not available	Decreased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male Site-Added Health Risk Behavior and Percentages Linear Change* Quadratic Change* **Change from** 2016-2018 * 1991 1993 1995 1997 1999 2001 2003 2007 2009 2011 2013 2014 2016 2005 2018 QN90: Percentage of students who are transgender 4.7 1.6 Decreased, 2016-2018 Not available§ Decreased QN93: Percentage of students who talked on a cell phone while driving (on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle) 30.0 36.0 No linear change Not available No change QN94: Percentage of students who smoked a whole cigarette before age 13 years (for the first time) 20.6 16.1 12.5 6.2 Decreased, 2013-2018 Not available Decreased QN98: Percentage of students who smoked tobacco in a hookah, narghile, or other type of waterpipe (on at least 1 day during the 30 days before the survey) 5.8 2.2 Decreased, 2016-2018 Not available Decreased

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**Trend Analysis Report** 

Male
Site-Added

			H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN99: Percent vapor product (										flavor v	with an	electror	ic			
											92.0	95.5	96.4	No linear change	Not available [§]	No change
QN101: Percer oil, or THC wa		students	who ha	ive ever	used an	electron	nic vapo	r produ	ct to sm	ioke ma	rijuana	, THC o	r hash			
												10.4	12.8	No linear change	Not available	No change
QN102: Percer ittle cigar in th	0		who th	ink they	definite	ely or pr	obably	will smo	oke a ciş	garette,	cigar, c	igarillo	or			
												24.6	17.2	Decreased, 2016-2018	Not available	Decreased
QN103: Percer flavored smoke survey)																
										20.1	19.5	13.4	7.3	Decreased, 2013-2018	Not available	Decreased

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**Trend Analysis Report** 

Male Site-Added

QN106: Percentage of students who live with someone who now smokes cigarettes or cigars 48.2 48.1 41.9 38.3 Decreased, 2013-2018 Not available No c QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches)	itt-Mut					Health H	Risk Beh	avior aı	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
the survey)       14.5       7.0       7.6       Decreased, 2014-2018       Not available [§] No c         QN106:       Percentage of students who live with someone who now smokes cigarettes or cigars       48.2       48.1       41.9       38.3       Decreased, 2013-2018       Not available       No c         QN107:       Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches)       75.1       82.1       Increased, 2016-2018       Not available       Incr         QN108:       Percentage of students who were in the same room with someone who was smoking (on at least one day       Total allowed anywhere inside their home in the same room with someone who was smoking (on at least one day       Total allowed anywhere inside their home in the same room with someone who was smoking (on at least one day	1991	1993	1995	5 199	7 199	9 2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	 i		
14.5       7.0       7.6       Decreased, 2014-2018       Not available [§] No c         QN106: Percentage of students who live with someone who now smokes cigarettes or cigars         48.2       48.1       41.9       38.3       Decreased, 2013-2018       Not available       No c         QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches)       75.1       82.1       Increased, 2016-2018       Not available       Incr         QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day			ntage o	f stude	nts who	tried or u	ised toba	cco proc	lucts for	the firs	t time (	during t	he 12 m	onths b	efore			
48.2       48.1       41.9       38.3       Decreased, 2013-2018       Not available       Not         QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches)       75.1       82.1       Increased, 2016-2018       Not available       Increased         QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day       August 100 - 2018       August 2016 - 2018       August													14.5	7.0	7.6	Decreased, 2014-2018	Not available [§]	No change
QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches) 75.1 82.1 Increased, 2016-2018 Not available Incr QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day	QN106:	Percer	ntage o	f stude	nts who	live with	someon	e who no	ow smol	kes ciga	rettes of	r cigars						
allowed anywhere inside their home (not counting decks, garages, or porches) 75.1 82.1 Increased, 2016-2018 Not available Incr QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day												48.2	48.1	41.9	38.3	Decreased, 2013-2018	Not available	No change
QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day												s that sr	noking	is not				
														75.1	82.1	Increased, 2016-2018	Not available	Increased
						were in t	he same	room wi	th some	one wh	o was s	moking	(on at l	east one	day			
34.8 30.0 No linear change Not available No c			J~~~~~											34.8	30.0	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Male
Site-Added

				H	ealth Ri	sk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change*	<b>Change from</b> 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN110: school y		tage of	students	s who w	ere taug	nt in the	ir classe	es about	the dan	gers of	tobacco	o use (di	uring the	e last			
											74.8	70.5	63.8	68.3	Decreased, 2013-2018	Not available [§]	No change
QN117: friends	Percen	tage of	students	s who sa	y defini	ely yes	or prob	ably yes	that yo	oung peo	ople wh	o smok	e have r	nore			
menus											37.4	38.5	37.0	43.7	No linear change	Not available	No change
QN118: cool or f		tage of	students	s who sa	y defini	tely yes	or prob	ably yes	that sm	noking r	nakes y	oung pe	eople lo	ok			
											25.6	29.8	24.0	29.7	No linear change	Not available	No change
QN119: parents i								eking h	elp fron	n one oi	more	adults b	esides tl	neir			
r 51165 1				- 1							78.1	77.7	73.7	74.5	No linear change	Not available	No change

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**Caroline County** 

**Trend Analysis Report** 

Female	
Injury and	Violence

				Н	ealth Ri	isk Beha	avior ar	nd Perco	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	ercentag times d						ho had l	been dri	nking al	cohol (i	in a car	or othe	vehicle	e, one			
											21.3	20.0	15.0	17.4	No linear change	Not available [§]	No change
times du	Percenta aring the fore the	30 day									her veh	icle dur	ing the	30	D	N. (	Neckana
											13.4	12.3	4.3	6.8	Decreased, 2013-2018	Not available	No change
QN11:	Percenta	U						U			· ·		2	0			ł
the 30 d survey)	ays befo	ore the s	urvey, a	mong st	udents	who had	driven	a car or	other ve	enicle d	uring u	ie 50 da	ys bero	le the			

 *Based  on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  *Based  on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Female	
Injury and	Violence

				H	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN13: day duri						eapon o	n schoo	l proper	ty (such	as a gu	n, knife	, or cluł	o, on at l	least 1			
											3.9	4.3	4.0	1.3	Decreased, 2013-2018	Not available [§]	Decreased
QN14: or for a													for hur	nting			
													4.0	1.5	Decreased, 2016-2018	Not available	Decreased
QN16: knife, or										on scho	ol prope	erty (suc	h as a g	un,			
											8.3	6.9	6.0	10.7	No linear change	Not available	

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**Caroline County** 

**Trend Analysis Report** 

Female	
Injury and Violence	

Health Risk Behavior and Percentages				Linear Change [*]	Quadratic Change [*]	<b>Change from</b> 2016-2018 [†]
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         2011         2011	13 2014	2016	2018	 i		
QN18: Percentage of students who were in a physical fight on school property (one or mor months before the survey)	re times du	ring the	e 12			
11.7	8.9	6.5	7.3	Decreased, 2013-2018	Not available [§]	No change
QN22: Percentage of students who experienced physical dating violence (being physically someone they were dating or going out with [counting such things as being hit, slammed in with an object or weapon] one or more times during the 12 months before the survey, amon went out with someone during the 12 months before the survey)	ito someth	ing, or i	njured			
11.4	13.1	9.8	15.3	No linear change	Not available	Increased
QN23: Percentage of students who were bullied on school property (ever during the 12 mo	onths befor	e the su	irvey)			
27.4	30.9	31.2	27.0	No linear change	Not available	No change

 *Based  on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  *Based  on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

njury and Vio	lence		Н	ealth Ri	sk Beha	avior an	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN24: Percer Facebook, or										l throu	gh textir	ng, Insta	ıgram,			
										19.7	22.6	21.1	21.8	No linear change	Not available [§]	No change
QN25: Percer stopped doing										eks in a	row so	that the	;y			
										34.9	38.2	40.8	41.7	Increased, 2013-2018	Not available	No change
QN26: Percer survey)	tage of s	tudents	who ser	iously co	onsidere	d attemj	pting su	icide (e	ver duri	ng the	12 mont	hs befo	re the			
										19.1	24.8	23.0	26.2	Increased, 2013-2018	Not available	No change
QN27: Percer before the sur		tudents	who ma	de a pla	n about l	how the	y would	l attemp	t suicid	e (durir	ng the 12	2 month	IS			
										13.7	20.4	17.8	21.3	Increased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

Female Tobacco	Use																
				H	ealth R	isk Beh	avior ar	d Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QN32: survey)	Percenta	age of st	tudents	who cur	rently s	moked c	rigarette	s (on at	least 1 o	lay duri	ing the 3	30 days	before t	he			
											17.0	17.1	10.9	6.2	Decreased, 2013-2018	Not available [§]	Decreased
QNFRC days bef				ents wh	o currer	itly smo	ked ciga	rettes fi	equentl	y (on 20	) or mo	re days	during t	he 30			
											7.7	5.6	2.9	2.0	Decreased, 2013-2018	Not available	No change
QNDAY before th			ge of st	udents v	vho curi	rently sn	noked ci	garettes	daily (	on all 30	0 days o	luring t	ne 30 da	ys			
											5.9	4.6	2.4	1.2	Decreased, 2013-2018	Not available	No change
QN34: vape pip eGo, and	es, vapi	ng pens															
												39.8	39.1	57.8	Increased, 2014-2018	Not available	Increased

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**Trend Analysis Report** 

Female	
<b>Tobacco Use</b>	

				He	ealth Ri	sk Beha	wior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN35: 1 e-pipes, Plus, eG	vape pij	pes, vap	ing pens	s, e-hool	kahs, an	d hooka	h pens [	such as	blu, NJ								
												21.7	14.9	42.8	Increased, 2014-2018	Not available [§]	Increased
	VP: Per ne 30 da				o curren	tly used	electron	nic vapo	or produ	cts freq	uently (	on 20 c	or more	days			
												4.4	1.9	9.3	Increased, 2014-2018	Not available	Increased
	EVP: 1 ays befo			udents v	who curi	ently us	ed elect	ronic va	apor pro	ducts da	aily (on	all 30 c	lays dui	ring			
												3.0	1.3	7.2	Increased, 2014-2018	Not available	Increased
				s who cu ne surve		smoked	cigarett	es or us	sed elect	ronic va	apor pro	oducts	(on at le	east 1			,
aug aun																	

Maryland High School Survey

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**Trend Analysis Report** 

Female **Tobacco Use** Health Risk Behavior and Percentages Linear Change^{*} Quadratic Change* **Change from** 2016-2018 * 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) Not available§ 3.1 2.5 No linear change No change QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey) 9.0 Decreased, 2013-2018 No change 11.5 6.4 4.5 Not available ONTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) Not available 20.4 19.9 13.2 8.0 Decreased, 2013-2018 Decreased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Female Alcohol a	nd Oth	er Drug	g Use	Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40: 1	Percenta	age of st	udents v	who had	their fi	rst drink	c of alco	hol befo	ore age	13 years	(other	than a f	ew sips)	)			
											21.9	22.2	18.0	14.9	Decreased, 2013-2018	Not available [§]	No change
QN41: I the 30 da				who curi	rently di	rank alc	ohol (at	least or	ne drink	of alcol	nol, on	at least 1	l day du	iring			
											37.4	32.9	24.4	39.4	No linear change	Not available	Increased
QN42: 1 female s day durin	tudents	or five	or more	drinks o	of alcoh										·		
													12.6	21.0	Increased, 2016-2018	Not available	Increased

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**Caroline County** 

**Trend Analysis Report** 

Female Alcohol a	ol and Other Drug Use Health Risk Behavior and Percentages												Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN45: 1	Percenta	age of st	tudents	who eve	er used r	narijuan	a (one o	r more	times du	iring the	eir life)						
											35.3	33.8	32.1	37.6	No linear change	Not available [§]	No change
QN46: 1	Percenta	age of st	tudents	who trie	d marii	uana for	the first	time be	efore ag	e 13 ve	ars						
<b>C</b>											6.7	8.0	6.8	5.4	No linear change	Not available	No change
QN47: 3 survey)	Percenta	age of st	tudents	who cur	rently u	sed mar	ijuana (o	one or n	nore tim	es durir	ng the 3	0 days b	efore th	ie			
											17.3	19.0	19.8	22.4	No linear change	Not available	No change
QN48: 1	Percenta	age of st	tudents	who eve	er used s	ynthetic	marijua	ana (one	e or mor	e times	during	their life	e)				
												10.0	7.4	6.3	No linear change	Not available	No change

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**Trend Analysis Report** 

Female			
Alcohol and	Other	Drug	Use

				He	ealth Ri	sk Beha	vior and	l Perce	ntages						Linear Change*	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
lifferen	tly than	how a d	octor to	ld them	r took pi to use it re times	t (counti	ng drugs	such as									
													13.8	15.3	No linear change	Not available [§]	No change
	Percenta nore tim				r used co	ocaine (a	any form	of coca	aine, ind	cluding	powder	r, crack	or free	base,	·		
											6.2	5.9	4.2	3.0	Decreased, 2013-2018	Not available	No change
	Percenta tring the		udents v	who eve	r used h	eroin (al	so calle	l "smac	k," "jun	ık," or "	China V	White,"	one or	more			
			udents v	who eve	r used h	eroin (al	so called	l "smac	k," "jun	ık," or "	China V 4.4	White," 4.0	one or 3.0	more 3.1	No linear change	Not available	No change
mes du N53:	Percenta	ir life)	udents v	who ever	r used her r used m ing their	nethampl					4.4	4.0	3.0	3.1	No linear change	Not available	No change

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**Trend Analysis Report** 

				He	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN54: 1	Percenta	age of st	udents v	vho ever	r used e	cstasy (a	also call	ed "MD	•MA," o	ne or m	ore tim	es durin	g their li	ife)			
											7.8	6.0	4.6	2.8	Decreased, 2013-2018	Not available [§]	No change
			udents v			d any ill	legal dru	ıg (used	l a need	le to inje					Decreased, 2013-2018	Not available [§]	No change
			udents v s during			d any ill	legal dru	ıg (used	l a need	le to inje					Decreased, 2013-2018 No linear change	Not available [§] Not available	No change No change
oody, on	ne or mo	ore times	s during	their life	e)						ect any 3.7	illegal d 2.7	lrug into 2.2	their 3.5			
QN57:	ne or mo	age of st	during udents v	their life	e)						ect any 3.7	illegal d 2.7	lrug into 2.2	their 3.5			

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**Trend Analysis Report** 

				H	ealth Ri	sk Beha	avior ar	d Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN58:	Percenta	ige of st	udents v	who eve	r had se	xual inte	ercourse	;			52.2	43.2	38.8	44.8	No linear change	Not available [§]	No change
QN59:	Percenta	ige of st	udents v	who had	sexual	intercou	trse for t	he first	time be	fore age	e 13 yea 4.8	rs 2.8	4.3	2.6	No linear change	Not available	No change
QN60:	Percenta	nge of st	udents v	who had	sexual	intercou	ırse with	n four or	· more p	ersons	during t 15.0	heir life 9.3	7.6	10.2	No linear change	Not available	No change
													st one pe				

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**Caroline County** 

**Trend Analysis Report** 

Female
<b>Sexual Behaviors</b>

				Н	ealth Ri	sk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	<b>Change from</b> 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	3 2014	2016	5 2018	-		
QN62: I who wer					nk alcoł	ol or us	ed drug	s before	last sex	ual inte	ercours	e (amon	g stude	nts			
		j al	j	,							18.9	18.2	20.1	22.8	No linear change	Not available [§]	No change
QN63: I currently				who use	ed a conc	lom duri	ing last	sexual i	ntercou	rse (amo	ong stu 55.8	dents w 54.9	ho were 47.1	45.9	No linear change	Not available	No change
QN64: I among st							oills befo	ore last	sexual in	ntercou	rse (to j	prevent	pregnar	ncy,			
uniong s	tudents	who we		Shiry Ser	tually ac						36.1	35.8	29.1	25.9	No linear change	Not available	No change
QNIUDI or Nexpl active)																	
											6.5	6.3	12.5	13.9	Increased, 2013-2018	Not available	No change

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**Caroline County** 

**Trend Analysis Report** 

Female
<b>Sexual Behaviors</b>

				Не	ealth Ri	sk Beha	wior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
control	ring (su	Percenta ch as Nu lly active	ivaRing)														
											8.5	2.8	3.7	7.2	No linear change	Not available [§]	No change
implant control	t (such a ring (su	Percenta s Implan ch as Nu lly active	ion or N ivaRing)	explano	on); or a s	shot (su	ch as De	epo-Pro	vera), pa	atch (suc nancy, a	ch as O	rthoEvi	a), or b		No linear change	Not available	No change
pills; ar Depo-P	n IUD (s Provera),	Percenta uch as M patch (s gnancy, a	Airena or such as (	r ParaGa OrthoEv	ard) or in ra), or bi	mplant ( irth cont	such as trol ring	Impland (such a	on or Ne s Nuval	explanoi	n); or a	shot (s	ich as				

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**Trend Analysis Report** 

Female
<b>Sexual Behaviors</b>

				H	ealth Ri	sk Beha	avior ar	nd Perc	entages	1					Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNBCN intercou									prevent	pregnar		-		10.2	Na linear sherra	Natara:lahlaš	Desmand
												11.0		10.3	No linear change	Not available [§]	Decreased
QN84: done if t				who wei	e ever t	ested fo	r human	immur	odefici	ency vir	us (HIV		-				
												13.1	13.4	13.5	No linear change	Not available	No change

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**Trend Analysis Report** 

				H	ealth Ri	isk Beha	avior an	d Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
						erweigh data fro						tile for	body ma	ass			
																	NT 1
											16.4	17.3	17.4	19.6	No linear change	Not available [¶]	No change
						besity (> growth			ile for b	ody mas					No linear change	Not available [¶]	No change
									ile for b	ody mas					No linear change	Not available [¶] Not available	No change
age-spe	cific refe	erence	lata fron	n the 200	00 CDC		charts) [§]				ss index 12.9	, based	on sex-	and			
age-spec	cific refe	erence	lata fron	n the 200	00 CDC	growth	charts) [§]			verweig	ss index 12.9	, based	on sex-	and			
QN67:	Percenta	age of s	lata fron	n the 200	00 CDC	growth	charts) [§] es as sli	ghtly or	· very ov	verweigl	12.9 ht 40.9	s, based 9.7 35.8	on sex- 15.3 37.6	and 12.4 35.3	No linear change	Not available	No change

 * Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  * Based on t-test analysis, p < 0.05.

⁸Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions. ^INot enough years of data to calculate.

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**Trend Analysis Report** 

				Н	ealth Ri	sk Beha	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN70:	Percenta	age of st	udents v	who did	not eat	fruit (or	ne or mo	re times	s during	the 7 da	ays befo	ore the s	urvey)	:			
											14.6	14.1	18.2	17.5	No linear change	Not available [§]	No change
	: Percer juice, d						r drink	100% fr	uit juice	es (such	as oran 6.4	ge juice 6.5	, apple j 9.1	uice, 9.2	Increased, 2013-2018	Not available	No change
or grape		uring th	e 7 days	s before	the surv e fruit o	vey) or drank	100% fi	ruit juic	es one o		6.4	6.5	9.1		Increased, 2013-2018	Not available	No change

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				Н	ealth Ri	isk Beh	avior an	d Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	2: Percer juice, ap									or more	times p	er day (	such as				
											23.6	25.0	21.9	22.6	No linear change	Not available [§]	No change
QN71:	Percenta	ige of st	udents v	who did	not eat	green sa	lad (one	e or moi	re times	during	the 7 da	ays befo	re the s	urvey)			
											36.7	40.9	43.5	43.5	Increased, 2013-2018	Not available	No change
	Percenta	ige of st	udents v	who did	not eat	potatoes	s (one or	more t	imes du	ring the	7 days	before	the surv	ey)			
QN72:																	
QN72:											36.4	37.7	40.9	40.2	No linear change	Not available	No change
	Percenta	ige of st	udents v	who did	not eat	carrots	one or r	nore tin	nes duri	ng the 7					No linear change	Not available	No change

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**Trend Analysis Report** 

#### Female Weight Management and Dietary Behaviors

				Н	ealth Ri	isk Beha	avior an	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991 1	993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN74: Per survey)	rcenta	ge of st	udents	who did	not eat	other ve	getables	s (one oi	more t	imes du	ring the	e 7 days	before	the			
											16.2	16.9	19.9	16.3	No linear change	Not available [§]	No change
QNVEG0: potatoes, or		0				0		0		-		ng Fren	ch fries	fried			
											6.4	7.2	9.3	6.0	No linear change	Not available	No change
QNVEG1: French frie																	
											60.6	59.5	54.0	56.6	No linear change	Not available	No change

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**Trend Analysis Report** 

Female Weight M	Ianager	nent an	d Dieta	ry Beha	aviors												
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QNVEC French f																	
											21.4	23.0	19.4	21.0	No linear change	Not available [§]	No change
QNVEC [excludi														e the			
survey)											11.0	12.2	10.3	9.7	No linear change	Not available	No change
QN75: Sprite, n											(such a	s Coke,	Pepsi,	or			
											30.3	27.3	30.2	28.8	No linear change	Not available	No change

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**Trend Analysis Report** 

	Health Risk Behavior and Percentages								Linear Change*	Quadratic Change [*]	Change from 2016-2018						
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>.</del>		
)NSOD.	A1: Pe	rcentag	e of stud	ents wh	o drank	a can, b	oottle, or	glass o									
							oottle, or or diet p		of soda c	or pop o	ne or m	ore time	es per da		Decreased, 2013-2018	Not available [§]	No change
Such as (	Coke, F	Pepsi, or	Sprite,	not cour	nting die o drank	et soda o		op, duri	of soda of ng the 7	or pop o 7 days b or pop tv	ne or m efore th 16.0 wo or m	ore time e surve 20.7 ore tim	es per da 7) 13.3 es per da	ıy 11.2		Not available [§]	No change

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**Caroline County** 

**Trend Analysis Report** 

Female
<b>Physical Activity</b>

Health Risk Behavior and F	ercentages					Linear Change [*]	Quadratic Change [*]	<b>Change from 2016-2018</b> [†]
1991         1993         1995         1997         1999         2001         2003         2005         20	07 2009 2011	2013	2014	2010	5 201	8		
QN78: Percentage of students who were physically active at least kind of physical activity that increased their heart rate and made th days before the survey)								
	3	31.9	29.8	31.2	34.8	No linear change	Not available [§]	No change
QNPA0DAY: Percentage of students who did not participate in at 1 day (in any kind of physical activity that increased their heart rat during the 7 days before the survey)								
	2	23.4	25.8	26.4	18.1	Decreased, 2013-2018	Not available	Decreased
QNPA7DAY: Percentage of students who were physically active kind of physical activity that increased their heart rate and made th days before the survey)								
	1	5.2	11.8	11.2	15.1	No linear change	Not available	No change

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		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2016-2018 [†]				
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN79:	Percenta	age of st	udents v	who wat	ched te	levision	3 or mo	ore hour	s per da	y (on ar	n averag	ge schoo	l day)				
											29.9	28.9	24.7	20.1	Decreased, 2013-2018	Not available [§]	No change
(countin	Percentang time s m, Face	pent on	things s	such as 2	Kbox, P	layStati	on, an il	Pad or o	ther tab	let, a sn	nartpho	ne, texti	ng, Ŷou	Tube,			
(countin	ng time s	pent on	things s	such as 2	Kbox, P	layStati	on, an il	Pad or o	ther tab	let, a sn	nartpho	ne, texti	ng, Ŷou	Tube, iy)	Increased, 2013-2018	Not available	No change
(countin Instagra QN81:	ng time s	pent on book, or age of st	things s r other s	such as 2 ocial mo	Xbox, P edia, for	layStati someth	on, an il ing that	Pad or o was no	ther tabl	let, a sn work, o	nartpho on an av 34.4	ne, texti verage s 38.0	ng, You chool da 39.6	Tube, ay) 41.9	Increased, 2013-2018	Not available	No change

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. ^{*}Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

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**Trend Analysis Report** 

Female
<b>Physical Activity</b>

				H	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDLY week w					io attenc	led phys	ical edu	cation (	(PE) cla	sses on	all 5 da		-	e 23.3	No linear change	Not available [§]	No change
QN83: times du						ussion fi	om play	ying a sj	port or b	being ph	iysically	v active	(one or 13.9	more 16.9	No linear change	Not available	No change

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**Trend Analysis Report** 

Female Other				H	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN86: during t						st (for a	check-1	up, exan	n, teeth	cleaning	g, or oth	er denta	ıl work,				
												74.9	74.0	81.6	Increased, 2014-2018	Not available [§]	Increased
QNNOI work)	DNT: P	ercentag	ge of stu	dents w	ho neve	r saw a	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning, c	or other	dental			
												2.0	1.0	1.8	No linear change	Not available	No change
QN87:	Percenta	age of st	tudents	who had	l ever be	en told	by a doo	ctor or n	urse that	at they h	ad asth	ma					
											26.3	25.6	28.4	26.7	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Female Site-Add	ed Health Risk Behavior and Percentages										Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]				
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN90:	Percent	age of s	tudents	who are	transge	ender			1	,	;		1.6	1.1	No linear change	Not available [§]	No change
QN93: before t									ng (on at	t least 1	day du	ring the	30 days 29.6	43.7	Increased, 2016-2018	Not available	Increased
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette l	before a	ge 13 ye	ears (for	the firs 9.3	st time) 12.1	7.8	3.0	Decreased, 2013-2018	Not available	Decreased
QN98: day duri						bacco in	a hooka	ah, narg	hile, or	other ty	pe of wa	aterpipe	(on at le 3.4	east 1 1.9	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Female Site-Added			H	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN99: Percent vapor product (										flavor v	with an	electron	iic			
											94.6	99.5	98.8	Increased, 2014-2018	Not available [§]	No change
QN101: Percer oil, or THC wa		students	who ha	ve ever	used an	electro	nic vapo	or produ	ct to sm	ioke ma	rijuana,	THC o	r hash			
												7.4	15.4	Increased, 2016-2018	Not available	Increased
QN102: Percer little cigar in th	•		who thi	ink they	definite	ely or pr	obably	will sm	oke a ci	garette,	cigar, c	igarillo	, or			
												18.8	12.5	Decreased, 2016-2018	Not available	Decreased
QN103: Percer flavored smoke survey)																
										11.5	13.2	5.2	4.3	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

ite-Adde	d			He	ealth Ri	sk Beh:	avior ar	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN104: the surve		tage of s	students	who tri	ed or us	ed tobac	cco proc	lucts for	the firs	t time (o	luring t	he 12 n	onths b	efore			
												15.6	9.1	14.0	No linear change	Not available [§]	Increased
QN105: survey, a												2 month 30.2	s before 33.2	the 9.9	Decreased, 2013-2018	Not available	
														).)	Decreased, 2013-2016		Decreased
QN106:	Percent	tage of s	students	who liv	e with s	omeone	e who no	ow smol	ces ciga	rettes or	cigars				Decreased, 2013-2018		Decreased
QN106:	Percent	tage of s	students	who liv	ve with s	someone	e who no	ow smol	ces cigar		cigars 51.7	47.1	40.2	37.8	Decreased, 2013-2018	Not available	Decreased No change
QN106: QN107: allowed a	Percent	tage of s	students	who rep	port the	rule abc	out smol	king insi	de their		51.7	47.1			-		

^{*}Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. [†]Based on t-test analysis, p < 0.05. [§]Not enough years of data to calculate.

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Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Female
Site-Added

				Не	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
	Percen he 7 day				ere in the	e same r	oom wi	th some	one wh	o was si	noking	(on at l	east one	e day			
C	·			•									34.9	33.2	No linear change	Not available [§]	No change
		tage of	students	who we	ere taugl	nt in the	ir classe	s about	the dan	gers of	tobacco	use (di	uring the	e last			
school y	year)										75.9	69.9	63.9	60.7	Decreased, 2013-2018	Not available	No change
QN117: friends	Percen	tage of	students	who sa	y definit	tely yes	or proba	ably yes	that yo	ung pec	ple wh	o smoko	e have n	nore			
											33.3	31.6	30.9	36.4	No linear change	Not available	No change
							:										
QN118: cool or	Percen	tage of	students	who sa	y definit	ely yes	or proba	ably yes	that sm	oking n	nakes y	oung pe	ople lo	ok			

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Female Site-Added

				H	ealth Ri	isk Beha	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN119: parents								eeking h	elp fron	n one or	more a	idults be	esides th	neir			
											81.2	78.9	75.2	77.7	No linear change	Not available [§]	No change

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Injury a	nd Viol	ence		H	lealth F	Risk Beł	navior a	nd Pero	centages	S					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN9: P or more							ho had l	oeen dri	nking al	cohol (i	n a car	or other	vehicle	, one			
											24.9	21.2	14.2	17.8	Decreased, 2013-2018	Not available [¶]	No change
QN10: 1 times du days bef	ring the	30 day	s before														
											15.1	13.6	6.5	9.2	Decreased, 2013-2018	Not available	No change
QN11: 1 the 30 da survey)																	
											47.2	34.3	36.9	41.5	No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White*	
Injury and	Violence

				H	Iealth F	Risk Beł	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change †	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN13: day dur						eapon o	n schoo	l proper	ty (such	as a gu	n, knife	, or clul	o, on at	least 1			
											5.6	4.4	5.9	3.3	No linear change	Not available [¶]	Decreased
QN14: or for a													for hu	nting			
													5.2	5.3	No linear change	Not available	No change
QN16: knife, o										on scho	ol prope	erty (suc	ch as a g	gun,			
											8.5	6.7	5.8	12.9	Increased, 2013-2018	Not available	Increased

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

			E	lealth F	Risk Beł	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change ^{$\dagger$}	Change from 2016-2018 [§]
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
2N18: Percer nonths before			who we	re in a p	hysical	fight on	school	property	(one o	r more	times du	ring the	: 12			
iontiis before	the surv	<i>cy)</i>								12.3	9.1	8.7	7.8	Decreased, 2013-2018	Not available [¶]	No change
														· · ·		
QN22: Percer someone they with an object went out with	were dat or weap	ing or go on] one o	oing out or more	with [co times do	ounting uring the	such thi e 12 mor	ngs as b nths bef	eing hit	, slamm	ned into	someth	ing, or i	njured			
someone they with an object	were dat or weap	ing or go on] one o	oing out or more	with [co times do	ounting uring the	such thi e 12 mor	ngs as b nths bef	eing hit	, slamm	ned into	someth	ing, or i	njured	No linear change	Not available	Increased
someone they with an object	were dat or weap someone	ing or go on] one o during t	bing out or more the 12 m	with [co times du nonths b	ounting uring the efore the	such thi e 12 moi e survey	ngs as b nths bef	being hit	, slamm survey,	among 11.0	someth students 10.7	ing, or i who da 7.2	njured ated or 11.7	No linear change	Not available	Increased

White*

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Injury and Violence Health Risk	Behavior and Percentag	es					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991 1993 1995 1997 1999 2001 20	03 2005 2007 2009	2011	2013	2014	2016	2018			
QN24: Percentage of students who were electronic Facebook, or other social media, ever during the 12			throug	h textir	ng, Insta	gram,			
			16.7	17.9	17.6	19.1	No linear change	Not available [¶]	No change
QN25: Percentage of students who felt sad or hope stopped doing some usual activities, ever during the			ks in a	row so	that the	у			
			27.0	30.0	30.0	31.3	No linear change	Not available	No change
QN26: Percentage of students who seriously consi survey)	lered attempting suicide (	ever durin	ng the 1	2 mont	hs befor	e the	······································		
			15.7	21.8	16.4	19.1	No linear change	Not available	No change
QN27: Percentage of students who made a plan ab before the survey)	out how they would attem	pt suicide	(durin	g the 12	2 month	8			
			12.6	17.1	14.2	15.4	No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Tobacco	Use																
				F	Health F	Risk Bel	navior a	nd Pero	centage	s					Linear Change †	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN32: Survey)	Percent	age of si	tudents	who cur	rently s	moked c	eigarette	s (on at	least 1 c	lay dur	ing the 3	30 days	before	the			
											23.5	19.5	13.4	8.2	Decreased, 2013-2018	Not available [¶]	Decreased
QNFRC days bef				ents wh	o curren	tly smo	ked ciga	rettes fr	equentl	y (on 2	0 or mo	re days	during 1	he 30			
											11.8	8.5	4.6	2.0	Decreased, 2013-2018	Not available	Decreased
QNDAY before th			ige of st	udents v	who curi	rently sn	noked c	igarettes	daily (	on all 3	0 days o	luring t	he 30 da	iys			
											9.2	6.8	3.6	1.0	Decreased, 2013-2018	Not available	Decreased
QN34: vape pip eGo, and	es, vapi	ing pens															
,												41.1	39.2	56.7	Increased, 2014-2018	Not available	Increased

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Fobacco Use	Health Risk B	ehavior and Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991 1993 1995 1997 1	1999 2001 2003	3 2005 2007	2009	2011	2013	2014	2016	2018	3		
QN35: Percentage of students wh e-pipes, vape pipes, vaping pens, e Plus, eGo, and Halo], on at least 1	e-hookahs, and hool	kah pens [such a	s [°] blu, NJ								
						23.6	18.3	42.0	Increased, 2014-2018	Not available [¶]	Increased
QNFREVP: Percentage of studen during the 30 days before the surv		ed electronic vaj	or produ	icts freq	uently (	on 20 o	r more	days			
						5.3	3.6	14.4	Increased, 2014-2018	Not available	Increased
QNDAYEVP: Percentage of stud the 30 days before the survey)	ents who currently	used electronic	apor pro	ducts d	aily (on	all 30 c	lays dui	ing			
						3.8	2.8	11.3	Increased, 2014-2018	Not available	
						5.0		11.5	mercused, 2014 2010	not available	Increased
QNTB5: Percentage of students v day during the 30 days before the		ed cigarettes or u	used elec	tronic v	apor pro					Not available	

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Tobacco	Use																
				H	lealth F	Risk Beł	navior a	nd Per	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN36: I (such as survey, a	a conve	enience	store, su	ıpermarl	ket, disc	ount sto	ore, gas	station,	or vape	store, d	uring th	e 30 da					
													11.7	7.3	No linear change	Not available [¶]	No change
QN37: I dissolvat vapor pro	ble toba	acco pro	ducts [s	uch as C	Copenha	gen, Gri	izzly, Sł	coal, or	Camel S					nic			
													6.7	6.5	No linear change	Not available	No change
QN38: I during th					rently si	moked c	igars (c	igars, ci	garillos	, or little	e cigars.	, on at le	east 1 d	ay			
											11.4	12.0	8.5	5.5	Decreased, 2013-2018	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

Caroline County

**Trend Analysis Report** 

White* Tobacco Use

				E	Iealth F	kisk Beł	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change †	<b>Change from</b> 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNTB2 before th		U	student	s who c	urrently	smoked	l cigaret	tes or ci	gars (or	n at least	t 1 day o	during t	he 30 da	ays			
											26.0	22.3	16.1	10.4	Decreased, 2013-2018	Not available [¶]	Decreased

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

		ner Dru	g Use	Н	lealth R	lisk Beł	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40:	Percenta	age of st	udents v	who had	their fi	rst drink	c of alco	hol befo	ore age	13 years	s (other	than a f	ew sips)				
											26.2	23.1	19.3	17.9	Decreased, 2013-2018	Not available [¶]	No change
QN41: the 30 d				who curi	rently d	rank alc	ohol (at	least on	e drink	of alcol	hol, on a	at least 1	day du	ring			
	5										38.5	32.6	26.3	36.1	No linear change	Not available	Increased
<u></u>	Percenta																
female s day dur			before th	ne surve	y)												

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Alcohol a	and Ot	her Dru	ıg Use	F	Iealth F	Risk Beh	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN45:	Percent	age of s	tudents	who eve	er used n	narijuan	a (one c	or more	times dı	iring the	eir life)						
											38.6	31.4	28.6	31.8	No linear change	Not available [¶]	No change
QN46:	Percent	age of s	tudents	who trie	d mariju	uana for	the first	time be	efore ag	e 13 yea	ars				· · · ·		
											10.3	10.2	8.1	6.0	Decreased, 2013-2018	Not available	No change
QN47: survey)	Percent	age of s	tudents	who cur	rently u	sed mari	ijuana (	one or n	nore tim	es durir	ng the 3	0 days t	efore th	ie			
											20.0	20.5	16.3	17.9	No linear change	Not available	No change
QN48:	Percent	age of s	tudents	who eve	er used s	ynthetic	mariju	ana (one	e or mor	e times	during	their life	e)				
												11.2	6.5	5.9	Decreased, 2014-2018	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Alcohol and Other Drug U		Health R	isk Behav	ior and Per	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991 1993 1995 19	97 1999	2001	2003 2	005 2007	2009	2011	2013	2014	2016	2018	3		
QN49: Percentage of stude differently than how a doct Hydrocodone, and Percocet	or told them	to use it	(counting	drugs such									
									12.6	12.7	No linear change	Not available [¶]	No change
QN50: Percentage of stude one or more times during th		er used co	ocaine (ang	y form of co	caine, in	cluding	powde	r, crack	, or free	base,			
							8.7	7.1	5.3	4.1	Decreased, 2013-2018	Not available	No change
QN52: Percentage of stude times during their life)	nts who eve	er used h	eroin (also	called "sma	ck," "jui	nk," or '	'China	White,"	one or	more			
							6.2	5.2	3.1	4.2	No linear change	Not available	No change
		er used m	ethamphe	tamines (also	o called	"speed,	" "cryst	al meth	" "cranl	k,"			
QN53: Percentage of stude "ice," or "meth," one or mo				, , , , , , , , , , , , , , , , , , ,									

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Alcohol	and Otl	ner Dru	ıg Use	F	Iealth F	Risk Beł	navior a	nd Pero	centage	8					Linear Change †	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54:	Percenta	age of st	tudents	who eve	er used e	ecstasy (	also call	ed "MD	9MA," c	one or m	ore time	es durin 7.1	g their l 4.5	life) 4.8	Decreased, 2013-2018	Not available [¶]	No change
QN56: body, or						ed any il	legal dr	ug (usec	l a need	le to inj	ect any 4.8	illegal d 3.5	lrug into	o their 4.9	No linear change	Not available	Increased
QN57: months				who we	re offere	ed, sold,	or give	n an ille;	gal drug	g on sch		perty (du 21.2	uring the	e 12 22.1	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Sexual F	3ehavio	rs		ł	Iealth F	Risk Bel	havior a	and Per	centage	s					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN58:	Percent	age of s	tudents	who eve	er had se	exual int	ercourse	2	;	ſ	54.0	39.4	38.0	43.5	No linear change	Not available¶	No change
QN59:	Percent	age of s	tudents	who had	l sexual	intercou	urse for	the first	time be	fore ag	e 13 yea 6.8	urs 3.5	4.0	2.1	Decreased, 2013-2018	Not available	No change
QN60:	Percent	age of s	tudents	who hac	l sexual	intercou	urse with	n four o	r more p	persons	during t 14.9	heir life 11.4	8.0	9.9	No linear change	Not available	No change
	Percenta he 3 mo				re curre	ntly sex	ually act	tive (had	d sexual	interco	urse wi	th at lea 31.1	-		No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Sexual B	ehavior	rs		H	Iealth F	Risk Beł	navior a	and Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	-		
QN62:					nk alcoł	nol or us	sed drug	s before	e last sez	xual int	ercourse	e (amor	g stude	nts			
											24.8	28.5	20.2	20.2	No linear change	Not available [¶]	No change
	Percenta y sexual			who use	d a cond	dom dur	ing last	sexual i	intercou	rse (am	iong stu	dents w	ho were				
											63.9	58.9	53.5	61.2	No linear change	Not available	No change
QN64: among s							oills befo	ore last	sexual i	ntercou	irse (to j	prevent	pregnar	ncy,			
											31.0	29.0	25.3	29.1	No linear change	Not available	No change
QNIUD						an IUD preven											
active)																	

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

	Health Risk Behavior and Percentages											Linear Change †	Quadratic Change †	Change from 2016-2018 [§]			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
control		ch as N	age of st uvaRing ve))														
	-	-										4.4	2.7	5.1	Na linear sheres	NT - 4 1 - 1 - 1 - ¶	No shang
	ний г	Percent	ane of st	udents	who use	1 hirth o	ontrol p	ille: an l		ich as M	4.4				No linear change	Not available [¶]	
implant control 1	(such as	s Impla ch as N	age of st non or N uvaRing ve)	lexplanc	n); or a	shot (su	ich as D	epo-Pro	vera), p	atch (su	lirena or ich as O among	r ParaGa rthoEvr students	ard) or a), or bi who we	rth ere			
implant control 1	(such as ring (suc	s Impla ch as N	non or N uvaRing	lexplanc	n); or a	shot (su	ich as D	epo-Pro	vera), p	atch (su	lirena or ich as O	r ParaGa rthoEvr	ard) or a), or bi	rth	No linear change	Not available	No change No change
implant control f currently QNDUA pills; an Depo-Pi	(such as ring (suc y sexual ALBC: IUD (su rovera),	s Impla ch as N lly activ Percen uch as l patch (	non or N uvaRing	lexplance ) before tudents or ParaG OrthoEv	who use ard) or i ra), or b	shot (su ual inter d both a mplant virth con	ich as D rcourse a condon (such as trol ring	epo-Pro (to prevo n during Implan g (such a	g last sez on or Nas Nuval	atch (su gnancy, a xual inte explano	lirena or ich as O among : 40.7 ercourse on); or a	ParaGa rthoEvr students 40.9 and bir shot (su	ard) or a), or bi who we 40.3 th contr ich as	rth ere 41.6 ol			

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

1991 1993 19	995 1997							Linear Change †	Quadratic Change †	Change from 2016-2018 [§]					
	995 1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
NBCNONE: Pere tercourse (among							prevent	pregnar	ncy durii 4.4	ng last s 9.0	exual 9.6	7.2	No linear change	Not available [¶]	No change
N84: Percentage one if they donate		who were	e ever te	ested for	r human	immun	odeficie	ency vir	us (HIV	(not c	ounting	tests			

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				E	Iealth F	Risk Beh	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
						erweigh data fro						tile for	oody ma	ass			
											15.5	17.4	17.5	16.5	No linear change	Not available	No change
ONOBI	CE. Do																
						besity (> growth			ile for b	ody ma	ss index	, based	on sex-	and			
									ile for b	ody ma	ss index 13.7	, based 12.1		and 14.8	No linear change	Not available	No change
age-spec	cific refe	erence d	ata fron	n the 20	00 CDC		charts)	ſ			13.7				No linear change	Not available	No change
age-spec	cific refe	erence d	ata fron	n the 20	00 CDC	growth	charts)	ſ			13.7				No linear change No linear change	Not available Not available	No change No change
QN67:	cific refe Percenta	age of st	ata fron	n the 200	00 CDC	growth	charts)	ghtly or	· very ov	verweig	13.7 ht 33.3	12.1 30.8	14.0 30.6	14.8 31.7			

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

¹Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning

in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

**Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				H	lealth R	isk Bel	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN70:	Percenta	age of st	tudents	who did	not eat	fruit (or	ne or mo	ore times	s during	the 7 da	ays befo	ore the s	urvey)				
											19.7	16.9	19.4	19.3	No linear change	Not available [¶]	No change
											17.7	10.9		17.5	110 Inical change	The available	i to chung
	: Percer juice, d						or drink	100% fr	uit juice	es (such							
							or drink	100% fr	ruit juice	es (such					No linear change	Not available	No change
Or grape		luring th	student	s before	the surv	vey) or drank	100% f	ruit juic	es one o		as oran 7.6	ge juice 9.8	apple j 9.7	uice,			

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

Caroline County

Trend Analysis Report

				E	lealth R	tisk Beł	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
	: Percei uice, ap									or more	times p	er day (	such as				
											22.8	24.1	21.9	21.6	No linear change	Not available [¶]	No change
QN71:	Percenta	age of st	udents v	who did	not eat	green sa	alad (one	e or moi	re times	during	the 7 d	uys befo 44.9	re the s	urvey) 46.6	No linear change	Not available	No change
	Percenta										40.5	44.9	45.2	46.6	No linear change	Not available	No change
											40.5	44.9	45.2	46.6	No linear change Increased, 2013-2018	Not available Not available	No chang No chang
QN72:		age of st	udents v	who did	not eat	potatoes	s (one of	r more t	imes du	ring the	40.5 e 7 days 30.2	44.9 before 1 35.0	45.2 the surv 37.5	46.6 ey) 40.5			

*Non-Hispanic.
*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.</li>
*Based on t-test analysis, p < 0.05.</li>
*Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				H	lealth F	Risk Beh	avior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN74: 1 survey)	Percenta	age of st	udents v	who did	not eat	other ve	getable	s (one o	r more t	imes du	iring the	e 7 days	before t	he			
•											17.3	17.5	20.9	18.5	No linear change	Not available [¶]	No change
						eat veg etables,						ng Frenc 8.9	h fries, 9.4	fried 8.7	No linear change	Not available	No change
											rvey)	-			No linear change	Not available	No change
ootatoes QNVEC	, or pota	to chips	s], carro	ts, or oth	her vege ate veg		during the	he 7 day	es per d	e the sur	rvey) 6.2 en salad	8.9	9.4	8.7 Juding	No linear change	Not available	No chang

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				H	lealth R	lisk Beh	avior a	nd Pero	centage	5					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNVEG French f																	
											24.5	25.2	21.0	17.6	Decreased, 2013-2018	Not available [¶]	No change
excludi		centage of ch fries,								day (gre	een sala	d, potate	bes		Decreased, 2013-2018	Not available [¶]	No change
										day (gre	een sala	d, potate e 7 days	bes		Decreased, 2013-2018 Decreased, 2013-2018	Not available [¶] Not available	No change Decreased
excludi survey) QN75: 1	ng Frend Percenta		fried po udents v	vho did	or potat	o chips] lk a can,	, carrots	or glass	of soda	day (gre ables, di	een sala uring th 12.4	d, potate e 7 days 12.2	bes before 11.3	the 7.7			

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

				H	Iealth R	Risk Beh	avior a	nd Perc	centage	s					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
									2007		2015		2010	2010			
NSODA	A1: Pe	rcentage	e of stuc	lents wł	no drank	a can, t	oottle, or				-						
						a can, t et soda o		glass o	of soda c	or pop o	ne or m	ore time	es per da				
								glass o	of soda c	or pop o	ne or m	ore time	es per da		Decreased, 2013-2018	Not available [¶]	No chang
uch as (	Coke, P	Pepsi, or	Sprite,	not cou	nting di	et soda o	or diet p	glass o op, duri	of soda of ng the 7	or pop of 7 days be	ne or m efore th 23.5	ore time e surve 21.5	es per da 7) 16.6	ıy 15.7		Not available¶	No chang
uch as (	Coke, F	Pepsi, or	Sprite,	not cou	nting die no drank		or diet p	glass o op, duri	of soda of ng the 7	or pop or 7 days be or pop tv	ne or m efore th 23.5 vo or m	ore time e surve 21.5 ore time	es per da 7) 16.6 es per da	ıy 15.7		Not available¶	No chan

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Physical	Activit	y		F	Jealth F	lisk Rel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from
					Icuitii I		iuvioi u	inu i civ	centage						Linear Change	Quiur une chunge	2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN78: 1 kind of p days bef	physical	activity	that in														
											41.0	38.4	42.7	47.5	Increased, 2013-2018	Not available [¶]	No change
QNPA0 1 day (in during th	n any kii	nd of ph	ysical a	ctivity t													
											19.2	20.9	21.6	13.5	Decreased, 2013-2018	Not available	Decreased
QNPA7I kind of p days bef	physical	activity	that in														
											23.6	19.1	21.7	23.5	No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				Н	ealth R	tisk Beh	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN79:	Percenta	age of st	udents v	who wat	ched tel	evision	3 or mo	ore hours	s per da	y (on ar	n averag	e schoo	l day)				
											29.0	27.8	23.4	17.0	Decreased, 2013-2018	Not available [¶]	Decreased
countin	Percenta g time s m, Facel	pent on	things s	uch as 2	Kbox, Pl	layStati	on, an il	Pad or o	ther tabl	let, a sn	nartphoi	ne, texti	ng, Ŷou	Tube,			
countin	ig time s	pent on	things s	uch as 2	Kbox, Pl	layStati	on, an il	Pad or o	ther tabl	let, a sn	nartphoi	ne, texti	ng, Ŷou	Tube,	Increased, 2013-2018	Not available	Increased
countin nstagra	ig time s	pent on book, or age of st	things s r other s	uch as 2 ocial me	Kbox, Pledia, for	layStatio someth	on, an il	Pad or o was no	ther tabl t school	let, a sm work, c	nartphor on an av 33.6	ne, texti verage so 34.1	ng, You chool da 37.1	Tube, 19) 44.5	Increased, 2013-2018	Not available	Increased

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

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**Caroline County** 

**Trend Analysis Report** 

				H	lealth R	Risk Beh	navior a	and Pero	centage	S					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
1//1				1///		-000	2000	2007	2009	2011	2013	2014	2010	2010			
QNDLYF		centage	e of stud	ents wh										_			
		centage	e of stud	ents wh										_	No linear change	Not available [¶]	No
QNDLYF	en they	ccentage were in	e of stud school)	ents wh	io attend	led phys	sical edu	ication (	PE) clas	sses on a	all 5 da 24.9	ys (in a 21.3	n averag 23.5	ge 27.7	No linear change	Not available¶	No cha

Maryland High School Survey

Caroline County

White* Other				H	lealth R	tisk Beł	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN86: during t						st (for a	check-1	ıp, exan	n, teeth	cleaning	g, or oth	er denta	ıl work,				
												74.9	77.3	80.2	Increased, 2014-2018	Not available [¶]	No change
QNNOI work)	ONT: Po	ercentag	ge of stu	dents w	ho neve	r saw a o	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning, o	r other	dental			
												1.8	0.7	2.3	No linear change	Not available	Increased
QN87:	Percenta	age of st	udents v	who had	l ever be	en told	by a doo	ctor or n	urse that	at they h	ad asth	ma					
											27.8	25.6	27.9	23.5	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Site-Ado	led			ł	Iealth F	Risk Beh	avior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	<b>Change from</b> <b>2016-2018</b> [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN90:	Percent	age of s	tudents	who are	transge	nder							2.8	0.8	Decreased, 2016-2018	Not available [¶]	Decreased
QN93: before the									g (on at	least 1	day dur	ing the (	-	39.2	No linear change	Not available	No change
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette b	before a	ge 13 ye	ears (for		t time) 12.7	8.5	4.5	Decreased, 2013-2018	Not available	Decreased
QN98: day duri						bacco in	a hooka	h, nargi	hile, or o	other ty	pe of wa	aterpipe	(on at le 2.9	east 1 1.8	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White* Site-Added														
Sht-Autu	Н	ealth Ri	isk Beha	avior a	nd Perc	entages	5					Linear Change †	Quadratic Change †	<b>Change from 2016-2018</b> §
1991 1993 1995 19	997 1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN99: Percentage of stude vapor product (among stude								flavor w	with an	electron	ic			
									94.4	97.6	97.6	No linear change	Not available [¶]	No change
QN101: Percentage of stud oil, or THC wax	dents who ha	ve ever u	used an o	electror	ic vapo	r produ	ct to sm	ioke mai	rijuana,	THC o	r hash			
										7.6	14.1	Increased, 2016-2018	Not available	Increased
QN102: Percentage of stud little cigar in the next year		nk they	definitel	ly or pro	obably v	will smo	oke a cig	garette, o	cigar, c	igarillo,	or			
										21.1	15.3	Decreased, 2016-2018	Not available	Decreased
QN103: Percentage of stud flavored smokeless tobacco survey)														
								14.6	15.8	8.7	6.5	Decreased, 2013-2018	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

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Trend Analysis Report

White* Site-Adde	d			H	lealth R	Risk Beł	navior a	and Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN104: I the survey		tage of a	students	who tri	ed or us	sed toba	cco proc	ducts for	the firs	t time (	during t	he 12 m	onths b	efore			
												16.0	8.0	12.9	No linear change	Not available [¶]	Increased
QN105: I survey, ar												2 month 31.3	us before	e the 9.7	Decreased, 2013-2018	Not available	Decreased
											50.9	51.5	55.5	2.1	Decreased, 2013 2010		Decreased
QN106: I	Percent	tage of	students	who liv	ve with s	someone	e who no	ow smo	kes ciga	rettes or	r cigars 54.4	48.7	43.6	41.3	Decreased, 2013-2018	Not available	No change
											54.4	-10.7	45.0	41.5	Decreased, 2015 2010		i to change
QN107: I allowed at										home i	s that si	noking	is not				
													76.0	80.5	No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

vvnite* Site-Added																
			H	lealth F	Risk Beł	navior a	nd Per	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN108: Percen during the 7 day				ere in th	ie same i	room wi	th some	eone wh	o was s	moking	(on at ]	least on	e day			
												37.9	34.5	No linear change	Not available [¶]	No change
QN110: Percen school year)	tage of s	students	who we	ere taug	ht in the	eir classe	es about	the dan	gers of	tobacco	use (d	uring th	e last			
										75.2	72.3	65.6	64.5	Decreased, 2013-2018	Not available	No change
QN117: Percen friends	tage of s	students	who sa	y defini	tely yes	or prob	ably yes	s that yo	ung peo	ple wh	o smok	e have r	nore			
										31.0	29.6	25.5	35.8	No linear change	Not available	Increased
QN118: Percen cool or fit in	tage of s	students	who sa	y defini	tely yes	or prob	ably yes	s that sm	noking r	nakes y	oung p	eople lo	ok			
										17.3	18.5	13.7	26.3	Increased, 2013-2018	Not available	Increased

White*

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

White*
Site-Added

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				H	lealth R	tisk Beh	avior a	nd Perc	centages	5					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN119: parents	Percen if they h							eking h	elp from	n one or	more a	dults be	sides th	eir			
											81.3	79.9	78.7	77.8	No linear change	Not available [¶]	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Black* Injury ai	nd Viol	ence		F	Iealth F	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN9: Po or more							ho had l	been dri	nking al	lcohol (i	in a car	or othe	vehicle	, one			
		8									21.6	23.4	12.4	10.1	Decreased, 2013-2018	Not available [¶]	No change
QN13: I day duri						eapon o	on schoo	l proper	ty (such	as a gu	n, knife	, or clul	o, on at l	least 1			
											4.1	3.9	10.6	3.8	No linear change	Not available	Decreased
QN14: I or for a s													for hur	nting			
													9.8	5.0	No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

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**Caroline County** 

Trend Analysis Report

Black* Injury a	nd Viol	ence		E	Iealth R	Risk Beh	avior a	nd Pero	centage	5					Linear Change †	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN16: 1 knife, or										on scho	ol prop	erty (su	ch as a g	gun,			
											10.0	8.4	8.8	14.4	No linear change	Not available [¶]	No change
QN18: 1 months b				who we	re in a p	hysical f	fight on	school	property	(one of	r more	times di	aring th	e 12			
											20.9	20.1	15.6	13.2	Decreased, 2013-2018	Not available	No change
QN23: 1	Percent	age of s	tudents	who we	re bullie	d on sch	iool proj	perty (e	ver duri	ng the 1	2 mont	hs befo	re the su	irvey)	,		
											15.6	20.9	20.5	13.0	No linear change	Not available	No change
QN24: 1 Faceboo											l throug	gh textir	ng, Insta	gram,			
											12.4	17.9	10.1	9.9	No linear change	Not available	No change

**Black***

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Black* Injury a	nd Viol	ence		T	T 141. T	N-1- D-1		- 1 D		_					L'ann Classa i	Que les traticoles est	Classes from
				F	ieaith F	usk bei	navior a	na Pero	centage	5					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN25: stopped											eks in a	row so	that the	у			
											24.8	20.4	25.6	23.9	No linear change	Not available [¶]	No change
QN26:	Percent	age of s	tudents	who ser	iously c	onsidere	ed attem	pting su	icide (e	ver duri	ng the 1	2 mont	hs befor	e the			
survey)											14.0	8.7	17.5	13.9	No linear change	Not available	No change
QN27: before t			tudents	who ma	de a pla	n about	how the	y would	l attemp	t suicid	e (durin	g the 12	2 month	S			
											9.7	9.8	15.5	12.5	No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Black* Tobacco	Use																
				H	Iealth F	tisk Beł	navior a	nd Per	centage	5					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN32: I survey)	Percenta	ige of st	udents	who cur	rently si	moked c	igarette	s (on at	least 1 c	lay duri	ng the 3	30 days	before	the			
											13.0	8.9	8.7	1.8	Decreased, 2013-2018	Not available [¶]	Decreased
QNFRC days befo			of stud	ents who	o curren	tly smo	ked ciga	arettes fi	requentl	y (on 20	) or moi	re days	during	he 30			
											4.1	1.6	1.4	0.0	Not available	Not available	Not available
QNDAY before th			ge of sti	udents v	who curr	ently sn	noked ci	igarettes	s daily (	on all 30	) days d	luring tl	ne 30 da	iys			
											2.1	0.8	0.7	0.0	Not available	Not available	Not available
QN34: H vape pipe eGo, and	es, vapi	ng pens															
												46.6	49.4	50.6	No linear change	Not available	No change

Black*

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

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Trend Analysis Report

Black*	
Tobacco Use	

		H	Iealth R	isk Beh	avior ar	nd Perc	centages	5					Linear Change [†]	Quadratic Change [†]	<b>Change from 2016-2018</b> §
1991 1993 19	95 1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	-		
QN35: Percentage o e-pipes, vape pipes, Plus, eGo, and Halo	vaping per	ns, e-hoo	kahs, an	d hooka	h pens [s	such as	blu, NJ								
										28.3	18.4	39.3	No linear change	Not available [¶]	Increased
ONFREVP: Percen luring the 30 days b			o curren	tly used	electror	nic vapo	or produ	cts freq	uently (	(on 20 c	or more	days			
										3.4	2.2	9.0	No linear change	Not available	No change
ONDAYEVP: Perc he 30 days before the state of the state o		tudents v	who curr	ently us	ed electi	ronic va	apor pro	ducts d	aily (on	all 30 d	lays du	ring	i		
										3.4	2.2	6.6	No linear change	Not available	No change
QNTB5: Percentag				smoked	cigarett	es or us	sed elect	ronic v	apor pro	oducts	(on at le	east 1			
lay during the 30 da			<i>.</i> ,,												

*Non-Hispanic.
*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.</li>
*Based on t-test analysis, p < 0.05.</li>
*Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				ł	Iealth F	Risk Beł	navior a	nd Per	centage	S					Linear Change [†]	Quadratic Change [†]	<b>Change from</b> 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QN37: dissolva vapor pr	ble toba	icco pro	ducts [s	uch as C	Copenha	gen, Gri	izzly, Sł	coal, or	Camel S					nic			
													6.9	2.6	Decreased, 2016-2018	Not available [¶]	No change
QN38: during t					rently s	moked c	igars (c	igars, ci	garillos	, or little	e cigars.	, on at le	east 1 da	ıy			
											20.0	11.3	12.3	5.6	Decreased, 2013-2018	Not available	No change
QNTB2 before tl			student	ts who c	urrently	smoked	l cigaret	tes or ci	igars (or	n at leas	t 1 day	during t	he 30 da	ays			
											25.7	17.2	14.9	6.8	Decreased, 2013-2018	Not available	No change

Black*

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

Caroline County

	and Oth		8	H	lealth R	Risk Beh	navior a	nd Pero	centage	S					Linear Change †	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN40:	Percenta	age of st	tudents	who had	their fi	rst drink	of alco	hol befo	ore age	13 years	s (other	than a f	ew sips)	,			
											22.7	29.8	21.2	17.7	No linear change	Not available [¶]	No change
				who cur	rently d	rank alc	ohol (at	least on	e drink	of alcol	hol, on a	at least	l day dı	ring			
				who cur	rently d	rank alc	ohol (at	least on	ne drink	of alcol	hol, on a 32.0	at least 2 21.8	day du 23.0	uring 23.3	No linear change	Not available	No change
QN41: the 30 d QN42: female s day duri	ays before Percenta	age of st	urvey) tudents or more	who cur drinks c	rently w	vere bing	ge drink	ing (had	l four or	more d	32.0	21.8	23.0	23.3	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Black* Alcohol	and Ot	her Dru	ıg Use	ł	Iealth F	Risk Beh	avior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN45:	Percent	age of s	tudents	who eve	er used n	narijuan	a (one c	or more	times du	iring the	eir life)						
											42.9	49.3	43.0	45.1	No linear change	Not available [¶]	No change
QN46:	Percent	age of s	tudents	who trie	d mariju	uana for	the first	t time be	efore ag	e 13 yea	ars		<u> </u>				
											12.5	18.0	9.0	6.4	Decreased, 2013-2018	Not available	No change
QN47: survey)	Percent	age of s	tudents	who cur	rently u	sed mari	juana (o	one or n	nore tim	es durir	ng the 3	0 days b	efore th	ne			
											27.0	23.0	27.3	27.4	No linear change	Not available	No change
QN48:	Percent	age of s	tudents	who eve	er used s	ynthetic	marijua	ana (one	e or mor	e times	during	their life	e)				
												11.4	8.5	6.0	No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Black*	
Alcohol and Other Drug Use	

				H	lealth R	lisk Beh	avior a	nd Perc	centages	5					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN49: different Hydroco	tly than	how a c	loctor to	ld them	to use i	t (counti	ing drug	s such a									
													13.9	11.7	No linear change	Not available [¶]	No change
QN50: one or n					r used c	ocaine (	any forr	n of coc	aine, in	cluding	•						
											8.5	7.0	11.9	1.9	Decreased, 2013-2018	Not available	Decreased
QN52: times du			udents v	who eve	r used h	eroin (a	lso calle	ed "smao	ck," "jur	ık," or "	China V	White,"	one or	more			
											7.1	6.8	6.5	0.6	Decreased, 2013-2018	Not available	Decreased
QN53: "ice," or							hetamin	nes (also	called	"speed,'	' "crysta	al meth,	" "cran	k,"			
											7.0	3.4	8.6	2.6	No linear change	Not available	Decreased

 * Non-Hispanic.  * Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

				Н	lealth R	lisk Beh	avior a	nd Perc	centages	5					Linear Change †	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54: ]	Percenta	age of st	udents v	who eve	r used e	cstasy (a	also call	ed "MD	•MA," o	one or m	ore tim	es durin	g their l	ife)			
											10.6	8.5	9.5	1.7	Decreased, 2013-2018	Not available [¶]	Decreased
			udents v			ed any il	legal dru	ıg (usec	l a need	le to inj					Decreased, 2013-2018	Not available [¶]	Decreased
			udents v s during			ed any il	legal dru	ıg (usec	l a need	le to inj					Decreased, 2013-2018 No linear change	Not available [¶] Not available	Decreased
QN57: 1	e or mo	ore times	s during	their lif	e)						ect any 5.8	illegal c 3.8	lrug into 9.8	o their 3.1			

Maryland High School Survey

**Caroline County** 

Black* Sexual H	Behavio	rs		H	Iealth F	tisk Beh	avior a	nd Pero	centage	s					Linear Change †	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN58:	Percent	age of s	tudents	who eve	er had se	xual into	ercourse	;				-	53.4	52.9	No linear change	Not available [¶]	No change
QN59:	Percent	age of s	tudents	who hac	l sexual	intercou	irse for t	he first	time be	fore age	e 13 year	rs	16.1	7.1	Decreased, 2016-2018	Not available	Decreased
QN60:	Percent	age of s	tudents	who hac	i sexual	intercou	irse with	i four oi	r more p	bersons of	during tl	heir life	11.9	15.3	No linear change	Not available	No change
QN61: during t						ntly sexu	ally act	ive (hac	l sexual	interco	urse wit	h at leas	st one po 29.6	erson, 34.9	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

Black*	
Sexual Behaviors	

				H	lealth R	Risk Beh	avior a	nd Perc	entage	s					Linear Change [†]	Quadratic Change †	<b>Change from</b> <b>2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN84: done if				who wei	e ever t	ested for	r human	ı immun	odeficie	ency vir	us (HIV	7) (not c 13.5	counting 17.0	tests 11.5	No linear change	Not available [¶]	No change

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				E	lealth R	Risk Beh	avior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change ^{$\dagger$}	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
						erweigh data fro						tile for	body ma	ass			
											17.0	14.7	17.4	24.5	Increased, 2013-2018	Not available	No change
						besity (> c growth			ile for b	ody mas	ss index	, based	on sex-	and			
									ile for b	ody mas	ss index 17.4	, based 19.0	on sex- 23.7	and 20.4	No linear change	Not available	No change
age-spec	vific refe	erence d	lata fron	n the 20	00 CDC		charts)	Ī			17.4				No linear change	Not available	No change
age-spec	vific refe	erence d	lata fron	n the 20	00 CDC	growth	charts)	Ī			17.4				No linear change No linear change	Not available Not available	No change No change
QN67:	Percenta	age of stage	lata fron	who des	00 CDC	growth	charts) [¶] es as sli	ghtly or	very ov	verweig	17.4 ht 23.9	19.0 26.7	23.7 30.3	20.4 31.8			

*Non-Hispanic.

[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

[§]Based on t-test analysis, p < 0.05.

¹Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning

in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

**Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				H	ealth R	tisk Beh	avior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN70: 1	Percenta	age of st	udents v	who did	not eat	fruit (or	ne or mo	ore times	during	the 7 da	ays befo	ore the s	urvey)	ł			
											15.4	17.9	32.1	26.3	Increased, 2013-2018	Not available [¶]	No change
		ntage of					r drink	100% fr	uit juice	es (such			<u> </u>		Increased, 2013-2018	Not available [¶]	No change
		ntage of luring th					r drink	100% fr	uit juice	es (such			<u> </u>		Increased, 2013-2018 No linear change	Not available [¶]	No change No change
or grape	juice, d	luring th	e 7 days	s before	the surv	vey)					as oran	ge juice 7.3	, apple j 13.5	juice,			
QNFR1:	juice, d		e 7 days	s before	the surv e fruit o	vey) or drank	100% f	ruit juic	es one o		as oran	ge juice 7.3	, apple j 13.5	juice,			

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				H	lealth R	isk Beh	avior a	nd Perc	centage	5					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNFR2 orange	: Percei juice, ap	ntage of ple juice	student e, or gra	s who at pe juice	e fruit c , during	r drank the 7 da	100% fi ys befo	ruit juico re the su	es two c irvey)	or more	times p	er day (	such as				
											32.9	43.2	31.0	32.9	No linear change	Not available [¶]	No change
QN71:	Percenta	age of st	udents	who did	not eat	green sa	lad (one	e or mor	e times	during	the 7 da	uys befo 48.7	re the s		Increased, 2013-2018	Not available	No change
	Percenta	age of st	udents	who did	not eat	potatoes	(one or	more ti	mes du	ring the	e 7 days	before	the surv	ey)			
QN72:											44.2	36.6	58.7	51.7	Increased, 2013-2018	Not available	No change
QN72:																	0
-	Percenta	age of st	udents	who did	not eat	carrots (	one or 1	nore tin	nes duri	ng the 7	7 days b	efore th	e surve	y)			

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				H	lealth R	lisk Beł	avior a	nd Perc	entage	S					Linear Change [†]	Quadratic Change [†]	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN74: survey)	Percenta	age of st	udents v	who did	not eat	other ve	getables	s (one or	r more t	imes du	iring the	e 7 days	before t	he			
											21.9	26.3	35.9	33.4	Increased, 2013-2018	Not available [¶]	No change
			of stude s], carro									ng Frenc	h fries, t	fried			
												ng Frenc 9.2		fried 15.7	Increased, 2013-2018	Not available	No change
QNVEC	, or pota	ato chip:		ts, or oth	her vege ate veg	etables, o	during the	ne 7 day	es per d	e the sur	rvey) 8.2 en salad	9.2	17.8 es [exclu	15.7 Iding	Increased, 2013-2018	Not available	No change

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

				Н	lealth <b>R</b>	tisk Beh	avior a	nd Pero	centage	5					Linear Change [†]	Quadratic Change †	<b>Change from 2016-2018</b> [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	32: Perc Tries, frie																
											25.2	22.2	19.1	19.4	No linear change	Not available [¶]	No change
	3: Perc ng Fren													the			
survey)																	
											16.9	13.5	11.7	11.5	No linear change	Not available	No change
survey) QN75:	Percenta tot coun									or pop					No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Black*	
<b>Physical Activity</b>	

Health Risk Behavior and Percentages	Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]	
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         2011         2013         2014         2016         2013	3			
QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)				
37.8 37.1 34.6 44.8	No linear change	Not available [¶]	No change	
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)				
26.6 25.8 28.7 20.6	No linear change	Not available	No change	
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)				
23.0 21.3 15.9 26.0	No linear change	Not available	Increased	

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change †	<b>Change from</b> 2016-2018 [§]		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
2N79: 1	Percenta	age of s	tudents	who wat	tched te	levision	3 or mo	ore hours	s per da	y (on an	averag	e schoo	l day)	·			
											47.3	48.9	34.3	30.9	Decreased, 2013-2018	Not available [¶]	No chang
											47.5	40.9	54.5	50.9	Decreused, 2013 2010		
countin	g time s	spent on	tudents s things s r other s	such as 2	Xbox, P	layStatio	on, an iF	Pad or o	ther tabl	let, a sn	ter 3 or hartphor	more h	ours per	day Tube,	No linear change	Not available	Increased
counting nstagrau	g time s m, Face Percenta	spent on book, o	things s	such as 2 social me who atte	Xbox, P edia, for	layStatio someth	on, an iF ing that	Pad or o was no	ther tabl	let, a sm work, c	ter 3 or nartphor on an av 41.3	more he ne, texti verage se 49.1	ours per ng, You chool da 35.5	day Tube, y) 49.6	· · · · · · · · · · · · · · · · · · ·		

Black*

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Maryland High School Survey

Caroline County

Black*	
Physical Activity	

	Health Risk Behavior and Percentages													Linear Change [†]	Quadratic Change †	Change from 2016-2018 [§]	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QNDLY week w		0			no attend	led phys	sical edu	ication (	(PE) cla	sses on	all 5 da 25.2	ys (in ar 20.1	n averag 20.1	ge 31.8	No linear change	Not available [¶]	No change
QN83: times du						ussion f	rom play	ying a sj	port or b	being ph	ysically	v active	(one or 26.3	more 16.0	No linear change	Not available	Decreased

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Black* Other				H	Iealth R	lisk Beł	navior a	nd Pero	centage	s					Linear Change †	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN86: during t						st (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er denta 70.1	al work, 64.4	, 70.9	No linear change	Not available [¶]	No change
QNNOI work)	ONT: P	ercentag	ge of stu	dents w	ho neve	r saw a o	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning, c	or other	dental			
												3.2	1.3	1.8	No linear change	Not available	No change
QN87:	Percenta	age of st	tudents	who had	l ever be	en told	by a doo	ctor or n	urse that	at they h	ad asth	ma					
											30.8	29.0	40.7	39.2	Increased, 2013-2018	Not available	No change

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Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Black* Site-Ade	led			ł	Iealth F	Risk Beh	avior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN90:	Percent	age of s	tudents	who are	transge	nder							3.7	1.1	No linear change	Not available¶	No change
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette b	efore a	ge 13 ye	ears (for	the firs	t time) 12.1	8.5	3.0	Decreased, 2013-2018	Not available	Decreased
QN98: day dur						bacco in	a hooka	h, nargl	hile, or o	other ty	pe of wa	aterpipe	(on at le 6.5	east 1 1.7	Decreased, 2016-2018	Not available	No change
QN101: oil, or T			students	s who ha	ave ever	used an	electro	nic vapo	or produ	ct to sm	ioke ma	rijuana,	THC or 9.0	hash 16.7	No linear change	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

⁸Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Black* Site-Adde	ed			I	Iealth I	Risk Beł	navior a	and Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN102: little ciga				s who th	ink they	/ definite	ely or pi	obably	will smo	oke a ciş	garette,	cigar, c	igarillo,	, or			
													22.4	10.1	Decreased, 2016-2018	Not available [¶]	Decreased
QN103: flavored survey)																	
<u>,</u> ,											18.6	12.0	11.7	4.0	Decreased, 2013-2018	Not available	Decreased
QN104: the surve		tage of	students	s who tri	ied or us	sed toba	cco proc	lucts for	r the firs	st time (	during t	he 12 m	onths b	efore			
												9.9	9.2	5.3	No linear change	Not available	No change
QN106:	Percen	tage of	students	s who liv	ve with	someone	e who n	ow smo	kes ciga	rettes or	r cigars	<u> </u>					
											41.0	44.5	31.7	29.7	Decreased, 2013-2018	Not available	No change

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

⁸Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

Trend Analysis Report

Site-Add	ed																
				E	Iealth R	lisk Beh	avior a	nd Pero	centage	5					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN107: allowed										home i	s that s	moking	is not				
													76.5	84.3	No linear change	Not available [¶]	No change
QN108:					ere in th	e same i	oom wi	th some	one wh	o was si	noking	(on at ]	east on	e day			
during th	ne 7 day	s before	e the sur	vey)									27.6	25.7	No linear change	Not available	No change
QN110:		tage of	students	who w	ere taug	ht in the	ir classe	s about	the dan	gers of	tobacco	o use (di	uring th	e last			
school y	ear)										78.3	67.2	62.4	59.9	Decreased, 2013-2018	Not available	No change
QN117: friends	Percen	tage of	students	s who sa	y defini	tely yes	or prob	ably yes	that yo	ung peo	ple wh	o smok	e have r	nore			,
menus											50.2	46.6	52.6	50.6	No linear change	Not available	No change

**Black***

*Non-Hispanic. *Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

⁸Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

Maryland High School Survey

Caroline County

Site-Adde	ed			H	Iealth F	lisk Beł	avior a	nd Perc	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 [§]
	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	-			-		
QN118: 1 cool or fit		tage of a	students	who sa	y defini	tely yes	or prob	ably yes	that sm	10king r	nakes y	oung pe	ople lo	ok			
											23.5	27.4	32.0	29.6	No linear change	Not available [¶]	No change

Maryland High School Survey

**Caroline County** 

Hispanic	
Injury and	Violence

				Н	ealth R	isk Beha	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN9: Pe or more							ho had l	been dri	nking al	cohol (i	in a car	or othe	vehicle	e, one			
											26.2	28.2	21.2	12.9	Decreased, 2013-2018	Not available [§]	No change
QN13: I day durit						eapon o	n school	l proper	ty (such	as a gu	n, knife	, or clul	o, on at 1	least 1			
											18.1	11.0	11.1	3.0	Decreased, 2013-2018	Not available	Decreased
QN14: I or for a s													for hur	nting			
													12.5	3.6	Decreased, 2016-2018	Not available	Decreased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Hispan	ic	
Injury	and	Violence

QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)       19.8 28.9 17.1 10.5 Decreased, 2013-2018 Not available No         QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)       12.000000000000000000000000000000000000	ijury and				Н	ealth R	isk Beha	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
knife, or club, one or more times during the 12 months before the survey)       18.8       17.6       12.5       8.5       No linear change       Not available [§] No         QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)       19.8       28.9       17.1       10.5       Decreased, 2013-2018       Not available       No         QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)       23.5       20.6       18.2       No linear change       Not available       No         QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram,       Instagram,       Instagram,	1991 1	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	8		
QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)       19.8       28.9       17.1       10.5       Decreased, 2013-2018       Not available       No         QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)       23.5       20.6       18.2       No linear change       Not available       No         QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram,       Instagram,       Instagram,											on scho	ol prop	erty (su	ch as a	gun,			
months before the survey)       19.8       28.9       17.1       10.5       Decreased, 2013-2018       Not available       No         QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)       23.5       20.6       18.2       No linear change       Not available       No         QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram,												18.8	17.6	12.5	8.5	No linear change	Not available [§]	No change
19.8       28.9       17.1       10.5       Decreased, 2013-2018       Not available       Not         QN23:       Percentage of students who were bullied on school property (ever during the 12 months before the survey)       23.5       20.6       18.2       No linear change       Not available       No         QN24:       Percentage of students who were electronically bullied (counting being bullied through texting, Instagram,                  No					who we	re in a p	hysical	fight on	school j	property	y (one o	r more	times d	uring th	e 12			
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) 23.5 20.6 18.2 No linear change Not available No QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram,	months bei	fore th	e surve	ey)								19.8	28.9	17.1	10.5	Decreased 2013-2018	Not available	No change
23.5 20.6 18.2 No linear change Not available No QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram,												17.0	20.9	17.1	10.5	Decreased, 2013 2010		i to change
QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram,	QN23: Pe	ercenta	ge of s	tudents	who we	re bullie	d on sch	nool proj	perty (e	ver duri	ng the 1	2 mont	ths befo	re the su	urvey)			
													23.5	20.6	18.2	No linear change	Not available	No change
												d throug	gh textii	ng, Insta	igram,			
20.0 24.2 15.4 11.9 No linear change Not available No												20.0	24.2	15.4	11.9	No linear change	Not available	No change

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Hispan	ic	
Injury	and	Violence

		Health Risk Behavior and Percentages           1993         1995         1997         1999         2001         2003         2005         2007         2009         2011         2013         2015													Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percenta doing se										eks in a	row so	that the	у			
											29.7	27.7	26.4	33.6	No linear change	Not available [§]	No change
QN26: survey)	Percenta	age of st	udents v	who seri	ously co	onsidere	d attem	pting su	icide (e	ver duri	ng the 22.3	12 mont 16.8	hs befor 18.6	re the 17.7	No linear change	Not available	No change
	Percent	age of st	udents v	who ma	de a plai	n about 1	how the	y would	attemp	t suicid	e (durir	ig the 12	2 month	s			
-	he surve	0															

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Hispanic Tobacco																	
				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN32: survey)	Percent	age of st	udents v	who cur	rently si	moked c	igarette	s (on at	least 1 d	lay duri	ng the 3	30 days	before t	he			
												28.5	16.0	8.4	Decreased, 2014-2018	Not available [§]	No change
QNFRC days bet			of stud	ents who	o curren	tly smol	ked ciga	rettes fr	equentl	y (on 20	) or mor	e days (	during t	he 30			
												9.7	5.1	1.8	No linear change	Not available	No change
QNDA before t			ge of st	udents v	vho curr	ently sn	noked ci	garettes	daily (	on all 30	) days d	uring th	ne 30 da	ys			
												8.8	5.1	1.8	No linear change	Not available	No change
QN34: vape pip eGo, and	bes, vapi	ing pens															
													39.0	46.9	No linear change	Not available	No change

 * Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  * Based on t-test analysis, p < 0.05. [§]Not enough years of data to calculate.

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Hispanic
<b>Tobacco Use</b>

				He	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
-pipes,	vape pij	bes, vap	ing pens	, e-hool	rently us kahs, and luring th	d hooka	h pens [	such as	blu, NJ								
												32.3	21.1	27.8	No linear change	Not available [§]	No change
-	32.3 21.1 27.8 No linear change Not available [§] No ch FREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days ng the 30 days before the survey)																
												15.8	4.8	5.3	Decreased, 2014-2018	Not available	No change
				udents v	who curr	ently us	ed electi	ronic va	apor pro	ducts da	aily (on	all 30 d	lays du	ring			
												13.2	4.1	4.6	No linear change	Not available	No change
13.2 4.1 4.6 No linear change Not available No change NTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1																	
	Percer ng the 3					smoked	cigarett	es or us	sed elect	ronic va	apor pro	oducts	(on at le	east 1			

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**Trend Analysis Report** 

Hispanic
Tobacco Use

	Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016       2         Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or ble tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic														Linear Change [*]	Quadratic Change [*]	<b>Change from 2016-2018</b> [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
	ble tob	acco pro	oducts [s	such as C	Copenha	gen, Gri	izzly, Sk	coal, or (	Camel S					nic			
													14.2	4.7	Decreased, 2016-2018	Not available [§]	Decreased
QN38: during t					rently si	moked c	igars (c	igars, ci	garillos,	, or little	e cigars,	, on at l	east 1 d	ay			
											20.0	22.9	19.7	5.1	Decreased, 2013-2018	Not available	Decreased
QNTB2 before th			f studen	ts who c	urrently	smoked	l cigaret	tes or ci	gars (or	at least	t 1 day o	during t	he 30 d	ays	· · · ·		
											26.7	33.8	23.0	11.7	Decreased, 2013-2018	Not available	Decreased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Hispanic	
Alcohol and Other Drug Us	se

				Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40: 1	Percent	age of s	tudents	who hac	l their fi	rst drink	of alco	hol befo	ore age 1	13 years	(other	than a f	ew sips	)			
												32.4	27.6	17.6	Decreased, 2014-2018	Not available [§]	Decreased
QN41: 1 the 30 da				who cur	rently di	rank alc	ohol (at	least on	e drink	of alcol	nol, on a	at least	1 day di	uring			
													23.3	28.5	No linear change	Not available	No change
QN42: 1 female s day duri	tudents	or five	or more	drinks o	of alcoho												
													13.3	20.1	No linear change	Not available	No change

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**Caroline County** 

				H	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN45:	Percenta	age of st	udents	who eve	r used n	narijuan	a (one o	r more t	times du	iring the	eir life)						
													26.8	25.5	No linear change	Not available [§]	No change
QN46:	Percenta	age of st	udents	who trie	d mariju	ana for	the first	time be	efore ag	e 13 yea	ırs	,			·		
												21.6	13.8	8.7	Decreased, 2014-2018	Not available	No change
QN47: survey)	Percenta	age of st	udents	who cur	rently u	sed mar	juana (o	one or m	nore tim	es durin	g the 30	) days b	efore th	e			
57												26.5	15.8	14.8	No linear change	Not available	No change
QN48:	Percenta	age of st	udents	who eve	r used s	ynthetic	marijua	nna (one	or mor	e times	during t	heir life	;)				
												21.1	16.4	7.3	Decreased, 2014-2018	Not available	Decreased

Maryland High School Survey

**Caroline County** 

**Trend Analysis Report** 

Hispanic	
Alcohol and Oth	er Drug Use

			-	H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
different	<ul> <li>Percentage of students who ever took prescription pain medicine without a doctor's prescription or terently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, OxyContin, rocodone, and Percocet, one or more times during their life)</li> <li>19.2 14.4 No linear change Not available[§] No chang</li> </ul>																
													19.2	14.4	No linear change	Not available [§]	No change
	19.2       14.4       No linear change       Not available [§] b: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, r more times during their life)       Not available [§]																
											17.6	21.5	12.9	3.5	Decreased, 2013-2018	Not available	Decreased
QN52: 1 times du			tudents	who eve	er used h	eroin (a	lso calle	d "smac	ck," "jur	1k," or "	China V	White,"	one or	more	,		
											16.5	20.7	10.5	3.8	Decreased, 2013-2018	Not available	No change
QN53: 1 "ice," or							hetamin	es (also	called	"speed,'	' "crysta	al meth	," "cranl	ς,"			
											14.5	16.5	12.8	3.6	Decreased, 2013-2018	Not available	Decreased

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**Trend Analysis Report** 

Hispanic Alcohol a	nd Oth	er Drug	g Use	H	ealth Ri	sk Beha	avior ar	nd Perce		Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54: 1	Percenta	age of st	tudents	who eve	r used e	cstasy (a	also call	ed "ME	9MA," c	one or m	ore time	es durin	g their	life)			
											18.2	17.2	11.5	3.0	Decreased, 2013-2018	Not available [§]	Decreased
QN56: 1 body, on						d any il	legal dr	ug (usec	l a need	le to inj	ect any	illegal c	lrug inte	o their			
												16.2	6.9	2.9	Decreased, 2014-2018	Not available	No change
QN57: 1 months b		0		who we	re offere	d, sold,	or giver	n an ille	gal drug	g on sch	ool prop	perty (du	iring th	e 12			
			•								31.5	28.1	25.8	24.1	No linear change	Not available	No change

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**Trend Analysis Report** 

Hispanic Sexual B		s															
				Н	ealth R	isk Beh	avior ar	d Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN58:	Percent	age of s	tudents	who eve	er had se	xual int	ercourse	;					35.8	40.8	No linear change	Not available [§]	No change
QN59:	Percent	age of s	tudents	who hac	l sexual	intercou	irse for t	he first	time be	fore age	e 13 yea	rs	11.2	9.3	No linear change	Not available	No change
QN60:	Percent	age of s	tudents	who hac	l sexual	intercou	irse with	four of	r more p	bersons	during t	heir life					
													11.8	12.8	No linear change	Not available	No change
QN61: during t					re curre	ntly sexu	ually act	ive (had	i sexual	interco	urse wit	h at leas	st one p	erson,			
													25.8	32.1	No linear change	Not available	No change

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**Trend Analysis Report** 

Hispanic Sexual Behaviors

				Н	ealth Ri	isk Beha	wior an	d Perce		Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN84: done if		U		who wer	re ever t	ested for	r human	immun	odeficie	ency vir	us (HIV			·			
												16.1	22.6	10.1	No linear change	Not available [§]	Decreased

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**Trend Analysis Report** 

#### Hispanic Weight Management and Dietary Behaviors Health Risk Behavior and Percentages Linear Change* Quadratic Change* **Change from** 2016-2018 * 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNOWT: Percentage of students who were overweight (>= 85th percentile but <95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)[§] 15.7 23.2 No linear change Not available[¶] No change ONOBESE: Percentage of students who had obesity (>= 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)§ 20.8 14.0 No linear change Not available No change QN67: Percentage of students who described themselves as slightly or very overweight 40.0 36.6 28.6 31.7 No linear change Not available No change QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) 25.1 23.2 28.9 34.5 Increased, 2013-2018 Not available No change

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. *Based on t-test analysis, p < 0.05.

⁸Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions. [†]Not enough years of data to calculate.

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				Не	ealth Ri	isk Beh	avior ar	d Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN70:	Percenta	ige of st	udents v	who did	not eat	fruit (or	ne or mo	re times	during	the 7 da	ays befo	ore the s	urvey)				
											22.3	18.3	18.2	19.4	No linear change	Not available [§]	No change
	Percer juice, d						r drink	100% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			
							r drink	100% fr	uit juice	es (such	as oran	ge juice 9.2		uice, 11.5	No linear change	Not available	No change
OF grape		uring th	e 7 days	s before	the surv	vey) or drank	100% fi	uit juic	es one o			9.2	11.8		No linear change	Not available	No change

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				Н	ealth Ri	sk Beha	wior an	d Perco	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
						r drank the 7 da				or more	times pe	er day (	such as				
												44.7	30.4	27.7	Decreased, 2014-2018	Not available [§]	No change
QN71:	Percenta	age of st	udents v	who did	not eat	green sa	lad (one	or mor	e times	during	the 7 da	ys befo	re the s	urvey)			
											42.0	38.0	43.1	46.8	No linear change	Not available	No change
QN72:	Percenta	age of st	udents v	who did	not eat	potatoes	(one or	more ti	imes du	ring the	42.0 7 days 1				No linear change	Not available	No change
QN72:	Percenta	age of st	udents v	who did	not eat	potatoes	(one or	more ti	imes du	ring the					No linear change	Not available	No change No change
										_		before t 39.4	he surv 34.9	ey) 44.0			

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**Trend Analysis Report** 

### Hispanic Weight Management and Dietary Behaviors

Health Risk	Behavior and Percentages					Linear Change [*]	Quadratic Change [*]	<b>Change from 2016-2018</b> [†]
1991 1993 1995 1997 1999 2001 20	03 2005 2007 2009 201	1 2013	2014	2016	2018			
QN74: Percentage of students who did not eat oth survey)	er vegetables (one or more times o	during the	7 days	before	the			
		20.1	23.8	21.4	24.8	No linear change	Not available [§]	No change
QNVEG0: Percentage of students who did not eat potatoes, or potato chips], carrots, or other vegetable			ig Frend	ch fries,	fried			
			8.8	11.7	12.3	No linear change	Not available	No change
QNVEG1: Percentage of students who ate vegetal French fries, fried potatoes, or potato chips], carro								
			67.1	53.7	53.0	No linear change	Not available	No change

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**Trend Analysis Report** 

### Hispanic Weight Management and Dietary Behaviors

				H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991 1	993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNVEG2: French frie																	
												36.8	28.7	24.0	No linear change	Not available [§]	No change
QNVEG3: [excluding survey)														e the			
• *												27.2	19.5	15.5	No linear change	Not available	No change
QN75: Per Sprite, not											(such as	s Coke,	Pepsi,	or			
												26.8	33.4	30.2	No linear change	Not available	No change

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**Caroline County** 

Hispanic
Weight Management and Dietary Behaviors

				H	ealth Ri	isk Beh	avior ar	nd Perc	entages	ł					Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNSODA (such as (		0				,	,	0						ıy			
		-	-		-		-	-	-	-		-					
												33.2	13.5	14.8	Decreased, 2014-2018	Not available [§]	No change

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Caroline County

**Trend Analysis Report** 

Hispanic Physical Activity

				H	ealth Ri	sk Beha	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change [*]	<b>Change from</b> <b>2016-2018</b> [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN78: kind of days bet	physical	l activity															
2											38.6	33.1	40.6	28.9	No linear change	Not available [§]	No change
QNPA0 1 day (in during t	n any ki	nd of ph	ysical a	ctivity t													
											23.6	21.2	24.4	20.0	No linear change	Not available	No change
QNPA7 kind of days be	physical	l activity															
											16.1	18.6	17.4	18.1	No linear change	Not available	No change

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	Activity			H	ealth Ri	sk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QN79:	Percenta	age of st	udents	who wat	ched te	evision	3 or mo	re hour	s per da	y (on an	ı averag	e schoo	l day)				
												34.7	22.4	17.5	Decreased, 2014-2018	Not available [§]	No change
QN80: (countir Instagra	ng time s	spent on	things s	such as 2	Xbox, P	layStati	on, an il	Pad or o	ther tabl	let, a sm	nartphoi	ne, texti	ng, Ŷou	Tube,	No linear change	Not available	No change
											2).)	57.4	52.5	45.0	No mical change	Not available	No enange
QN81: week w					nded pł	iysical e	ducation	n (PE) c	lasses o	n 1 or n	nore da	ys (in ai	averag	e			

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Hispanic
<b>Physical Activity</b>

				H	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDLY week wh					o attenc	led phys	ical edu	cation (	PE) cla	sses on	all 5 day	ys (in ar 23.7	averag 31.7	e 18.0	No linear change	Not available [§]	Decreased
QN83: 1 times du						ussion fi	om play	ying a sp	port or b	being ph	ysically	active	(one or 1 20.1	more 12.9	No linear change	Not available	No change

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Hispanic Other				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN86: 1 during th						ist (for a	check-	up, exar	n, teeth	cleaning	g, or oth	er denta	al work,				
					,							62.2	65.3	74.0	No linear change	Not available [§]	No change
QNNOE work)	DNT: Pe	ercentag	ge of stu	dents w	ho neve	r saw a	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning, c	or other	dental			
work)												7.7	4.8	2.6	No linear change	Not available	No change
QN87: 1	Percenta	ige of st	tudents	who had	l ever be	een told	by a do	ctor or r	urse that	at they h	ad asth	na					
												26.1	26.2	24.3	No linear change	Not available	No change

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Hispanic Site-Add																	
				H	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN90:	Percent	age of s	tudents	who are	transge	nder											
													6.7	2.5	No linear change	Not available [§]	No change
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette b	before a	ge 13 ye	ears (for	the firs	st time)					
											14.6	25.0	18.6	5.2	Decreased, 2013-2018	Not available	Decreased
QN98: day dur						pacco in	a hooka	lh, nargl	hile, or	other ty	pe of w	aterpipe	(on at le	east 1			
													8.8	2.3	No linear change	Not available	Decreased
QN101: oil, or T			students	s who ha	ave ever	used an	electro	nic vapo	or produ	ct to sm	ioke ma	rijuana,	THC or	hash			
													9.4	10.5	No linear change	Not available	No change

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Hispanic	
Site-Added	

	e-Added Health Risk Behavior and Percentages														Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]	
1991 199	3 19	95	1997	1999	200	200	3 2	2005	2007	2009	2011	2013	2014	2016	2018	8		
	2N102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or ttle cigar in the next year																	
														22.5	14.7	No linear change	Not available [§]	No change
QN103: Perc	entage	e of st	udents	whou	sed fla	vorad t	obacc	co pro	duate (f	lavorad	•							
flavored smol survey)																Decreased, 2014-2018	Not available	No change
	keless	tobac	co pro	ducts, o	or both	, not co	ountir	ng mer	thol ci	garettes	, during	the 30 c	lays be 21.0	fore the 9.5	3.8	Decreased, 2014-2018 No linear change	Not available Not available	No change No change

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**Trend Analysis Report** 

Hispanic Site-Added	1																
	Health Risk Behavior and Percentages															Quadratic Change*	<b>Change from 2016-2018</b> [†]
1991 1	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN107: P allowed ar										home i	s that sr	noking	is not				
													83.3	92.7	Increased, 2016-2018	Not available [§]	Increased
QN108: P during the					ere in th	ie same i	room wi	ith some	eone wh	o was si	moking	(on at l	east one	e day			
curing the	, r duy	5 001010		(0))									24.3	14.9	No linear change	Not available	No change
QN110: P school yea		tage of	students	s who w	ere taug	ht in the	ir classe	es about	the dan	gers of	tobacco	use (du	uring the	e last			
												61.7	58.9	64.4	No linear change	Not available	No change
QN117: P friends	Percen	tage of	students	s who sa	y defini	tely yes	or prob	ably yes	s that yo	ung pec	ple who	o smoke	e have n	nore			
												48.2	47.1	47.7	No linear change	Not available	No change

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Hispanic Site-Added

	Health Risk Behavior and Percentages														Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN118: cool or		ntage of	students	who sa	y defini	tely yes	or prob	ably yes	s that sm	noking r	nakes y	oung pe	ople loc 25.7	ok 27.3	No linear change	Not available [§]	No change
	9: Percentage of students who would feel comfortable seeking help from one or more adults besides their ts if they had an important question affecting their life 73.0 71.8 67.9														No linear change	Not available	No change