Maryland High School Survey

**Frederick County** 

**Trend Analysis Report** 

Total **Injury and Violence** 

				H	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN9: P or more		_					ho had l	been drii	nking al	lcohol (i	in a car 20.6	or other 19.5	vehicle 12.8	,	Decreased, 2013-2018	Not available <sup>§</sup>	No change
times du	N10: Percentage of students who drove a car or other vehicle when they had been drinking alcohol (one or more nes during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 ys before the survey) 10.2 8.5 6.5 5.4												Decreased, 2013-2018	Not available	No change		

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total		
Injury	and	Violence

				H	ealth Ri	isk Beha	avior ar	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN11: 1 the 30 da survey)																	
											41.0	30.1	32.2	29.6	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN13: day duri						eapon o	n school	proper	ty (such	as a gu	n, knife	e, or clu	o, on at	least 1			
											4.3	4.1	5.8	3.7	No linear change	Not available	Decreased
QN14: 1 or for a s													for hu	nting			
													4.7	3.4	No linear change	Not available	Decreased

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Total		
Injury	and	Violence

				Н	ealth R	isk Beha	avior ar	nd Perce	entages						Linear Change*	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991 1992	3 19	95	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QN16: Perce knife, or club										on scho	ol prope	erty (su	ch as a g	gun,			
											8.9	6.9	8.2	6.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN18: Perce months before	U			who we	re in a p	hysical	fight on	school	property	(one or	r more t	times du	ring th	e 12			
											10.4	8.1	9.5	9.0	No linear change	Not available	No change
QN22: Perce someone they with an object went out with	were of t or we	latin apor	g or go ] one o	oing out or more	with [continues d	ounting a uring the	such this e 12 mor	ngs as b nths bef	eing hit	, slamm	ed into	someth	ing, or i	injured			
											9.9	9.0	8.4	9.7	No linear change	Not available	No change

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Frederick County

**Trend Analysis Report** 

Total		
Injury	and	Violence

		Н	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991 1993 1	995 1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN23: Percentage	e of student	s who we	re bullie	d on sch	1001 proj	perty (ev	ver duri	ng the 1	2 mont	hs befo	re the su	irvey)			
									24.7	22.4	20.3	18.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN24: Percentage Facebook, or other				2		•	0 0	-	d throug	gh textir	ng, Insta	gram,			
									16.9	16.6	15.5	14.3	Decreased, 2013-2018	Not available	No change
QN25: Percentage stopped doing som									eks in a	row so	that the	у			
									24.5	27.9	29.0	31.2	Increased, 2013-2018	Not available	No change

Maryland High School Survey

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**Trend Analysis Report** 

### Total Injury and Violence

	Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	i		
QN26: survey)		age of s	tudents	who seri	iously co	onsidere	d attem	pting su	icide (e	ver duri	ng the 1 15.8	12 mont 16.7	hs befor 16.8	e the 16.9	No linear change	Not available <sup>8</sup>	No change
QN27: before t			tudents	who mae	de a plai	n about	how the	y would	l attemp	ot suicid	e (durin 12.1	g the 12	2 month 14.3	s 14.2	Increased, 2013-2018	Not available	No change

Maryland High School Survey

**Frederick County** 

**Trend Analysis Report** 

Total	
Tobacco	Use

				H	ealth Ri	sk Beha	avior an	d Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	8		
QN32: F survey)	Percenta	age of st	tudents	who cur	rently sr	noked c	igarettes	s (on at	least 1 c	lay duri	ng the	30 days	before	the			
											14.3	10.1	8.6	4.8	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QNFRCI days befo				ents who	o curren	tly smol	ked ciga	rettes fr	equentl	y (on 20	) or mo	ore days	during	the 30			
		~;))									4.8	2.7	2.5	1.2	Decreased, 2013-2018	Not available	Decreased
QNDAY before th			ige of st	udents v	vho curr	ently srr	noked ci	garettes	daily (	on all 30	) days	during t	he 30 da	ays	· · · · · ·		
		<i></i>									3.5	2.1	1.7	0.8	Decreased, 2013-2018	Not available	Decreased
QN34: I vape pipe eGo, and	es, vapi	ng pens															
												38.9	36.5	44.3	Increased, 2014-2018	Not available	Increased

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total	
Tobacco	Use

]	Health Risk Behavior a	and Percentages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991 1993 1995 1997 1999	9 2001 2003 2005	5 2007 2009	2011	2013	2014	2016	2018			
QN35: Percentage of students who cu e-pipes, vape pipes, vaping pens, e-ho Plus, eGo, and Halo], on at least 1 day	ookahs, and hookah pens	s [such as blu, NJ								
					23.8	16.6	31.4	Increased, 2014-2018	Not available <sup>§</sup>	Increased
QNFREVP: Percentage of students w during the 30 days before the survey)		ronic vapor produ	icts frequ	uently (o	on 20 o	r more	days			
					3.4	3.3	9.5	Increased, 2014-2018	Not available	Increased
QNDAYEVP: Percentage of students the 30 days before the survey)	s who currently used ele	ectronic vapor pro	oducts da	ily (on a	all 30 d	ays dui	ring			
					2.5	2.7	6.1	Increased, 2014-2018	Not available	Increased
QNTB5: Percentage of students who day during the 30 days before the surv		ettes or used elec	tronic va	por proc	ducts (	on at le	east 1			
				2	26.9	20.0	32.4	Increased, 2014-2018	Not available	Increased

Maryland High School Survey

**Frederick County** 

**Trend Analysis Report** 

Total	
Tobacco	Use

				Не	ealth Ri	sk Beha	vior an	Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018							
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
(such as	a conve	enience	store, su	who usua apermark arrently u	cet, disc	ount stor	re, gas s	tation, o	or vape	store, di	uring th	e 30 da					
													8.4	5.4	No linear change	Not available <sup>§</sup>	No change
dissolva	ble toba	cco pro	ducts [si	who curr uch as C y during	openha	gen, Gri	zzly, Sk	oal, or <b>(</b>						nic			
													6.6	4.1	Decreased, 2016-2018	Not available	Decreased
	Damaant	age of st	udents .	who cur	rontly er	nokod o	gars (ci	gore oi		on little	aigara	on at l	ast 1 de	3.7			
QN38: during t			re the su		lentry si	nokeu ci	igais (ci	gars, ci	garmos,	or intre	cigais,	on at R	astiu	iy			

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total Tobacco Use

	Health Risk Behavior and Percentages   1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014   2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the the survey)														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
-		U	student	s who c	urrently	smoked	l cigaret	tes or ci	gars (or	n at leas	t 1 day (	during t	he 30 da	ays			
											19.4	14.3	12.6	8.5	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total			
Alcohol and	Other	Drug	Use

				Н	ealth Ri	isk Beha	avior ar	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40: I	Percenta	age of s	tudents	who hac	d their fi	rst drink	t of alco	hol befo	ore age 1	13 years	s (other	than a f	ew sips	)			
											17.5	16.4	14.5	12.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN41: I 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			
											36.3	31.3	31.9	30.9	Decreased, 2013-2018	Not available	No change
QN42: I female st day durin	tudents	or five	or more	drinks	of alcoho												
													17.1	17.6	No linear change	Not available	No change

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**Trend Analysis Report** 

Total Alcohol a	and Oth	er Dru	g Use	н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>.</del>		2016-2018 <sup>†</sup>
QN45:	Percent	age of s	tudents	who eve	er used 1	narijuan	a (one c	or more	times dı	iring the	eir life)						
											33.9	32.2	31.4	30.5	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN46:	Percent	age of s	tudents	who trie	d marij	uana for	the firs	time be	efore ag	e 13 yea	ars						
		0			5				C	5	7.5	7.0	5.9	4.5	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 t	efore th	e			
survey)											19.0	19.3	19.6	19.6	No linear change	Not available	No change
QN48:	Percent	age of s	tudents	who eve	r used s	synthetic	e mariju	ana (one	e or mor	e times	during	their life	e)				
												9.8	6.8	5.3	Decreased, 2014-2018	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total			
Alcohol and	Other	Drug	Use

			_	Н	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2												2018				
QN49: 1 different Hydroco	tly than	how a c	loctor to	ld them	to use i	t (counti	ng drug	s such a									
													12.7	13.1	No linear change	Not available <sup>§</sup>	No change
QN50: 1 one or m					er used c	ocaine (	any form	n of coc	caine, in	cluding	powder	r, crack	, or free	base,			
											6.1	4.8	4.7	3.7	Decreased, 2013-2018	Not available	No change
QN52: 1 times du			tudents	who eve	er used h	eroin (a	lso calle	d "smao	ck," "jur	1k," or "	China V	White,"	one or	more			
											4.2	3.4	3.8	2.5	Decreased, 2013-2018	Not available	Decreased
QN53: 1 "ice," or							hetamin	ies (also	called	"speed,'	' "crysta	al meth	" "cranl	k,"			
											4.7	3.7	4.3	2.7	Decreased, 2013-2018	Not available	Decreased

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

		rcentage of students who ever used ecstasy (also called "MDMA," one or more times during their lif														Linear Change <sup>*</sup>	Quadratic Change*	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991	1993	3 1	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54:	Percer	ntag	e of st	udents	who eve	er used e	ecstasy (	also call	led "MD	DMA," с	one or m	ore tim	es durir	g their	life)			
												8.0	5.6	5.1	3.8	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN56: body, or							ed any il	llegal dr	ug (usec	l a need	le to inj	ect any	illegal	lrug int	o their			
												3.4	3.0	3.0	2.8	No linear change	Not available	No change
QN57: months					who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool proj	perty (d	uring th	e 12			
												27.2	26.3	21.8	21.8	Decreased, 2013-2018	Not available	No change

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Frederick County

**Trend Analysis Report** 

				Н	ealth R	isk Beh	avior ar	d Perco	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	i		
QN58:	Percenta	age of st	udents	who eve	er had se	xual int	ercourse	;			36.5	29.7	29.3	28.5	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN59:	Percenta	age of st	udents	who hac	l sexual	intercou	trse for t	he first	time be	fore age	e 13 yea 5.0	urs 2.9	3.4	2.8	Decreased, 2013-2018	Not available	No change
QN60:	Percenta	age of st	udents	who had	l sexual	intercou	irse with	1 four or	r more p	ersons	during t 10.0	heir life 6.9	7.6	6.0	Decreased, 2013-2018	Not available	No change
	Percenta he 3 mo				re curre	ntly sexu	ally act	ive (had	l sexual	interco	urse wit 26.6	th at lea	st one po 21.5	erson, 20.4	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

### Total Sexual Behaviors

	Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students re currently sexually active) 26.9 25.7 26.5 2														Linear Change*	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
					nk alcoł	nol or us	ed drug	s before	last sex	cual inte	ercourse	(amon	g studer	nts			
		Ĵ	5	,							26.9	25.7	26.5	24.0	No linear change	Not available <sup>§</sup>	No change
QN63: 1 currently				who use	d a cond	lom dur	ing last	sexual i	ntercour	rse (amo	ong stuc 55.7	lents w	ho were 52.4		Decreased, 2013-2018	Not available	No change
QN64: 1							oills befo	ore last s	sexual in	ntercou	rse (to p	revent	pregnan	cy,			
among s	tudents	who we	ere curre	ently sex	ually ac	tive)					27.3	21.8	27.7	29.7	No linear change	Not available	No change
QNIUD or Nexpl active)																	
,											1.6	1.5	4.1	6.7	Increased, 2013-2018	Not available	No change

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**Frederick County** 

**Trend Analysis Report** 

Total
<b>Sexual Behaviors</b>

				Н	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	ring (su	ch as Nu	vaRing		vho usec last sex												
											3.3	2.2	1.6	2.6	No linear change	Not available <sup>§</sup>	No change
implant control	(such as	s Implan ch as Nu	on or N vaRing	explano	vho used on); or a last sext	shot (su	ch as De	po-Pro	vera), p	atch (su	ch as O	rthoEvr	a), or b				
Juiteilli	•										32.1	25.5	33.5	39.1	Increased, 2013-2018	Not available	No change
currenti											32.1	25.5	33.5	39.1	Increased, 2013-2018	Not available	No change
QNDUA pills; an Depo-Pi	ALBC: IUD (st rovera),	ich as N patch (s	firena o uch as (	r ParaGa DrthoEv	who used ard) or in ra), or b who we	mplant ( irth con	such as rol ring	Impland (such a	on or No s Nuval	explano	ercourse n); or a	and bir shot (su	th contaich as	rol	Increased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

### Total Sexual Behaviors

	Health Risk Behavior and Percentages										Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>				
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNBCN intercou			0				-		prevent	pregnar	ncy duri	ng last s	exual				
											13.0	12.8	13.7	12.3	No linear change	Not available <sup>§</sup>	No change
QN84: done if t		U		who wei	re ever t	ested fo	r humar	immun	odeficio	ency vir	us (HIV	') (not c	ounting	tests			
												8.9	11.1	9.7	No linear change	Not available	No change

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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)<sup>§</sup> 13.1 14.5 14.0 13.4 No linear change Not available<sup>¶</sup> 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)§ 9.1 10.0 10.4 9.9 No linear change Not available No change QN67: Percentage of students who described themselves as slightly or very overweight 27.8 26.6 27.5 25.5 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) 25.8 27.4 32.1 34.8 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.

<sup>8</sup>Overweight 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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**Trend Analysis Report** 

### Total Weight Management and Dietary Behaviors Health Risk Behavior and Percentages Linear Change<sup>\*</sup> 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) 11.7 12.1 12.3 12.9 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) 6.0 6.2 6.7 7.2 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) 63.4 60.0 57.4 54.5 Decreased, 2013-2018 Not available Decreased

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				He	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
	: Percer juice, ap									or more	times p	er day (	such as				
											32.7	29.1	27.4	25.2	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN71:	Percenta	age of st	udents v	who did	not eat	green sa	lad (one	e or mor	e times	during	the 7 da	ys befo	re the su	irvey)			
											33.1	37.3	40.1	43.4	Increased, 2013-2018	Not available	Increased
																	-
QN72:	Percenta	age of st	udents v	vho did	not eat	potatoes	s (one or	more ti	mes du	ring the	7 days	before t	he surve	ey)			
QN72:	Percenta	age of st	udents v	who did	not eat	potatoes	s (one or	more ti	imes du	ring the	7 days 30.5	29.1	he surve 34.1	ey) 36.2	Increased, 2013-2018	Not available	No change
	Percenta					-					30.5	29.1	34.1	36.2	Increased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

### Total Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991   1993   1995   1997   1999   2001   2003   2005   2007   2009   2011   2013   2	2014 2016 2018	_		
QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 o survey)	days before the			
13.0 14	1.8 15.3 15.1	No linear change	Not available <sup>§</sup>	No change
QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding F potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	French fries, fried			
4.4 5.	.3 6.0 6.8	Increased, 2013-2018	Not available	No change
QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, por French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before				
67.9 65	5.6 63.3 62.2	Decreased, 2013-2018	Not available	No change

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Total
Weight Management and Dietary Behaviors

				H	ealth Ri	sk Beha	wior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNVEC French f																	
											28.8	27.9	25.7	24.4	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QNVEC [excludi survey)														e the			
											14.1	13.2	12.0	10.9	Decreased, 2013-2018	Not available	No change
QN75: Sprite, n										or pop	(such a	s Coke	Pepsi,	or			
											29.5	28.3	31.5	34.1	Increased, 2013-2018	Not available	No change

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	Health Risk Behavior and Percentages												Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNSOD	A1: Pe	rcentag	e of stud	lents wh	o drank	a can, b	bottle, or	r glass o	f soda o		ne or m	ore tim	es per da				
QNSODA such as (										or pop o	efore th	e surve	()	у		Not available <sup>§</sup>	Decr
such as (	Coke, F	Pepsi, or	Sprite,	not cou	nting die	et soda (	or diet p	op, duri	ng the 7	or pop o 7 days b	efore th 17.7	e surve 15.0	14.0	y 11.5	Decreased, 2013-2018	Not available <sup>\$</sup>	Decreas
	Coke, F	Pepsi, or	Sprite,	not cou	nting die o drank	et soda (	or diet p	op, duri r glass o	ng the 7	or pop o days b	efore th 17.7 wo or m	e surve 15.0 ore tim	7) 14.0 es per da	y 11.5		Not available <sup>\$</sup>	Decreas

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total Physical Activity

Health Risk Behavior and Percentages					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991   1993   1995   1997   1999   2001   2003   2005   2007   2009   2011	1 2013	2014	2010	5 2018	3		
QN78: Percentage of students who were physically active at least 60 minutes per da kind of physical activity that increased their heart rate and made them breathe hard s days before the survey)							
	48.6	43.8	43.1	44.6	No linear change	Not available <sup>§</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of 1 day (in any kind of physical activity that increased their heart rate and made them I during the 7 days before the survey)							
	14.5	16.5	19.5	17.6	Increased, 2013-2018	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes kind of physical activity that increased their heart rate and made them breathe hard s days before the survey)							
	26.1	22.4	22.0	23.2	No linear change	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

				He	ealth Ri	sk Beh	avior ar	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>+</sup>
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	re hours	s per day	y (on an	averag	e schoo	l day)				
											25.1	22.8	18.1	16.8	Decreased, 2013-2018	Not available <sup>§</sup>	No change
	Damaant	ogo of st		1 1	. 1 . 1 .												
(countir	g time s m, Face	pent on	things s	uch as 2	Kbox, Pl	layStati	on, an iF	ad or of	her tabl	let, a sn	nartphoi	ne, texti		Tube,			
(countir	ig time s	pent on	things s	uch as 2	Kbox, Pl	layStati	on, an iF	ad or of	her 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 v	uch as 2 ocial me	Kbox, Pledia, for	layStations someth	on, an iF ing that	ad or of was not	her tabl	et, a sm work, c	nartphoi on an av 33.1	ne, textin verage so 38.0	ng, You chool da 37.1	Tube, y) 41.6	Increased, 2013-2018	Not available	Increased

Maryland High School Survey

Frederick County

Total	
<b>Physical Activity</b>	

	Health Risk Behavior and PercentagesLinear C								Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>						
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNDLY week w					io attenc	led phys	ical edu	cation (	PE) cla	sses on	all 5 da <u>:</u> 25.3		n averag 19.8	ge 20.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN83: times du						ission fr	om play	ying a sj	port or b	eing ph	ysically	active	(one or 15.1	more 15.2	No linear change	Not available	No change

Maryland High School Survey

Frederick County

Total Other				H	ealth Ri	isk Beh	avior ar	nd Perc	entages	5					Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN86: during t						st (for a	check-1	up, exan	n, teeth	cleanin	g, or oth	er denta	al work,				
uuning t	ne 12 m			, survey	,							81.4	82.5	82.5	No linear change	Not available <sup>§</sup>	No change
QNNOI	DNT: 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)												1.4	1.8	1.3	No linear change	Not available	No change
QN87:	Darcante		tudente	who had	l over be	on told	by a day	etor or r	urse the	at they h	ad asth						
QNo7:	Percenta	ige of si	ludents	who had	l ever be		by a doo		urse the	at they I	23.3	24.6	23.9	23.1	No linear change	Not available	No change
											25.5	24.0	23.7	23.1	No mica change		i vo enange

Maryland High School Survey

Frederick County

				H	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN90:	Percenta	ige of st	udents	who are	transge	nder							2.8	1.3	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
QN93: before tl									g (on at	least 1	day du	ring the	30 days 33.2	35.2	No linear change	Not available	No change
QN94:	Percenta	ige of st	udents	who smo	oked a v	vhole cig	garette b	before a	ge 13 ye	ears (for	the firs 7.9	ot time) 6.8	6.4	3.3	Decreased, 2013-2018	Not available	Decreased
QN97: students										because	e of the 23.9	ir age (a 29.9	mong 17.3	21.3	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total
Site-Added

She-Auu	cu			Н	ealth R	isk Beha	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN98: day duri						bacco in	a hooka	ıh, nargl	nile, or o	other typ	pe of wa	aterpipe	(on at l	east 1			
													5.2	3.0	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
QN99: vapor pi											flavor v	vith an e	electron	ic			
												94.4	96.8	96.2	Increased, 2014-2018	Not available	No change
QN101: oil, or T			students	s who ha	ave ever	used an	electro	nic vapo	r produ	ct to sm	oke ma	rijuana,	THC o	r hash			
													9.5	18.3	Increased, 2016-2018	Not available	Increased
QN102: little cig				s who th	ink they	/ definite	ely or pr	obably	will smo	oke a ciş	garette,	cigar, ci	garillo,	or			
													18.3	13.8	Decreased, 2016-2018	Not available	Decreased

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total Site-Added			Н	ealth R	isk Beh	avior an	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN103: Percent flavored smokele survey)																
										14.1	13.1	9.1	5.5	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QN104: Percent the survey)	age of s	students	who tri	ied or us	sed toba	cco proc	lucts for	the firs	t time (	during t	the 12 m	onths b	efore			
											12.0	8.5	7.9	Decreased, 2014-2018	Not available	No change
QN105: Percent survey, among st											2 month	s before	e the			
										35.1	33.9	36.2	8.9	Decreased, 2013-2018	Not available	Decreased
QN106: Percent	age of s	students	who liv	ve with	someone	e who no	ow smol	kes ciga	rettes of	r cigars						
										35.4	33.2	27.8	27.1	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Total 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 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) 85.2 85.8 No linear change Not available§ No change QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day during the 7 days before the survey) 23.6 24.8 No linear change Not available No change QN110: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year) 71.0 67.7 64.5 59.9 Decreased, 2013-2018 Not available No change QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends Not available 31.2 27.6 27.8 37.2 Increased, 2013-2018 Increased

Maryland High School Survey

**Frederick County** 

**Trend Analysis Report** 

Total	
Site-Added	

				Н	ealth Ri	sk Beh	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN118: cool or t		tage of	students	who sa	y defini	tely yes	or prob	ably yes	that sm	noking r	nakes y 19.3	oung pe 15.8		ok 23.6	Increased, 2013-2018	Not available <sup>§</sup>	Increased
QN119: parents								eking h	elp fron	n one or	more a 81.1	dults be 79.6		eir 78.9	No linear change	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Male		
Injury	and	Violence

			H	ealth R	isk Beh	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	<b>Change from 2016-2018</b> <sup>†</sup>
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 (	in a car	or othe	vehicle	e, one			
										21.0	18.3	13.2	13.4	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN10: Percenta times during the days before the s	30 days							2		0						
										12.9	10.9	7.0	6.2	Decreased, 2013-2018	Not available	No change
QN11: Percenta the 30 days befor survey)																
										41.8	32.9	31.8	28.8	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

### Male Injury and Violence

				Н	ealth Ri	isk Beha	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 199	93	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN13: Perce day during th						eapon o	n school	l proper	ty (such	as a gu	ın, knife	, or clui	o, on at 1	least 1			
											6.7	5.9	7.2	5.7	No linear change	Not available <sup>§</sup>	No change
QN14: Perce	entar	ra of st	udonta	who car	riad a g	m (not a	ounting	41			;				· · · · ·		-;
													for hur	nting			
or for a sport													for hur 6.4	nting 5.4	No linear change	Not available	No change
	t such	h as tar ge of st	get sho	oting, or	n at leas	t 1 day of	luring th	me 12 me	onths be	efore the	e survey	r)	6.4	5.4	No linear change	Not available	No change

Maryland High School Survey

**Frederick County** 

**Trend Analysis Report** 

Male		
Injury	and	Violence

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018   QN18: Percentage of students who were in a physical fight on school property (one or more times during the survey) 14.4 10.9 12.5 12.3 No linear change Not available <sup>§</sup> QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or Viole and the survey among students who dated or	No change
months before the survey) 14.4 10.9 12.5 12.3 No linear change Not available <sup>§</sup> QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or Not available <sup>§</sup>	No change
QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or	No change
someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or	
went out with someone during the 12 months before the survey)	
8.0 7.9 8.6 8.7 No linear change Not available	No change
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)	
23.3 18.6 19.8 17.8 Decreased, 2013-2018 Not available	

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Male	
Injury and	Violence

Injury and Violence Health Risk Behavior and Percentages								Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>				
1991 1993 1995 1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN24: Percentage of students Facebook, or other social media							, bullied	l throug	gh textir	ng, Insta	gram,			
								12.9	11.1	12.2	11.3	No linear change	Not available <sup>§</sup>	No change
QN25: Percentage of students stopped doing some usual activ	ities, eve	er during	the 12	months	before t	he surv	ey)	19.3	18.7	20.0	23.4	Increased, 2013-2018	Not available	Increased
QN26: Percentage of students survey)	who serio	ously co	nsidere	d attemp	oting sui	cide (ev	ver durn	ng the	12 mont	ins befor	re the			
survey)								11.3	11.3	12.5	12.5	No linear change	Not available	No change
QN27: Percentage of students v before the survey)	who mad	e a plan	about l	now they	v would	attempt	t suicide					No linear change	Not available	No change

Maryland High School Survey

**Frederick County** 

**Trend Analysis Report** 

Male	
Tobacco	Use

				H	lealth R	isk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 201	8		
QN32: F survey)	Percent	age of	students	s who cu	rrently si	moked c	igarettes	s (on at	least 1 c	lay duri	ing the	30 days	before	the			
											15.5	10.4	9.3	4.9	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QNFRCI days befo				dents wł	no curren	tly smol	ked ciga	rettes fr	equentl	y (on 20	) or mo	ore days	during	the 30			
		sarrey	,								5.9	3.2	3.2	1.4	Decreased, 2013-2018	Not available	Decreased
QNDAY before th			age of s	students	who curr	ently sn	noked ci	garettes	daily (o	on all 30	0 days (	during t	he 30 da	ays			
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									4.6	2.6	2.2	1.0	Decreased, 2013-2018	Not available	Decreased
QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])																	
												40.5	37.9	42.1	No linear change	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Male Tobacco Use

				He	ealth Ris	sk Beha	vior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
e-pipes,	vape pi	pes, vap	ing pens	s, e-hool		d hookal	h pens [	such as	blu, NJ		ing e-cig se, Mark						
												25.7	17.9	28.7	No linear change	Not available <sup>§</sup>	Increased
			e of stud re the su		o curren	tly used	electror	nic vapo	or produ	cts freq	uently (c	on 20 c	or more	days			
												4.5	4.6	9.7	Increased, 2014-2018	Not available	Increased
		Percentatore the s		udents v	vho curr	ently us	ed elect	ronic va	por pro	ducts da	aily (on a	all 30 c	lays du	ring			
												3.4	3.9	6.4	Increased, 2014-2018	Not available	Increased
			students			smoked	cigarett	es or us	ed elect	ronic va	apor pro	ducts	(on at le	east 1			

Maryland High School Survey

**Frederick County** 

**Trend Analysis Report** 

Male	
Tobacco	Use

	Health Risk Behavior and Percentages											Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
(such as	a conve	enience	store, su	permark	cet, disc	their ow ount stor etronic va	e, gas s	tation, c	or vape	store, di	uring th	e 30 da					
													12.0	7.6	No linear change	Not available <sup>§</sup>	No change
QN37:						sed smok											
lissolva						gen, Griz lays befo			Camel S	nus], no	ot count	ing any	electro	nic			
dissolva									Camel S	nusj, no	ot count	ing any	10.4	5.8	Decreased, 2016-2018	Not available	Decreased
issolva apor pr N38:	roducts,	on at lea	ast 1 day	v during	the 30 d		ore the s	survey)					10.4	5.8	Decreased, 2016-2018	Not available	Decreased

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Male Tobacco Use

	Health Risk Behavior and Percentages									Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNTB2 before th		U	students	s who cı	urrently	smoked	l cigaret	tes or ci	gars (or	at least	t 1 day o	luring t	he 30 da	iys			
											22.5	16.3	14.8	9.8	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

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

	Health Risk Behavior and Percentages									Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN40:	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	)			
											19.8	17.6	15.9	14.6	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN41: the 30 d		0		who cur	rently di	rank alco	ohol (at	least on	e drink	of alcol	hol, on	at least	1 day di	uring			
											36.4	28.4	29.2	26.9	Decreased, 2013-2018	Not available	No change
QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey)																	
													16.3	15.3	No linear change	Not available	No change

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Frederick County

**Trend Analysis Report** 

Male Alcohol and Other Drug Use Health Risk Behavior and Percentages											Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>				
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	marijuan	a (one c	or more	times dı	iring the	eir life)						
											36.4	32.5	31.4	28.6	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN46:	Percent	age of s	tudents	who trie	d marij	uana for	the first	time be	efore ag	e 13 yea	ars						,
		0			5				C	5	9.9	9.0	7.7	5.4	Decreased, 2013-2018	Not available	Decreased
QN47:	Percent	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			
survey)											21.7	19.1	19.9	19.5	No linear change	Not available	No change
QN48:	Percent	age of s	tudents	who eve	er used s	synthetic	e marijua	ana (one	or mor	e times	during	their life	.)				
												9.9	7.3	5.3	Decreased, 2014-2018	Not available	Decreased

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Male			
Alcohol and	Other	Drug	Use

				H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
lifferent	ly than	how a d	octor to	ld them	r took p to use it re times	t (counti	ing drug	s such a									
													12.2	12.4	No linear change	Not available <sup>§</sup>	No change
	Percenta ore tim				r used c	ocaine (	any form	n of coc	aine, in	cluding	powder	r, crack	, or free	base,			
											7.5	6.4	6.4	4.3	Decreased, 2013-2018	Not available	Decreased
	Percenta ring the		udents	who eve	r used h	eroin (a	lso calle	d "smac	k," "jur	1k," or "	China V	White,"	one or 1	more			
											5.7	4.5	4.9	3.2	Decreased, 2013-2018	Not available	Decreased
					r used n ing their		hetamin	es (also	called	"speed,'	' "crysta	al meth,	" "cranl	۲,"			
											6.3	4.7	5.4	3.6	Decreased, 2013-2018	Not available	Decreased

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Male			
Alcohol and	Other	Drug	Use

			H	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54: Percen	tage of s	tudents	who eve	r used e	cstasy (	also call	ed "MD	9МА," с	one or m	ore tim	es durir	g their	life)			
										9.7	6.8	6.1	4.5	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN56: Percen body, one or m	0			0	ed any il	legal dr	ug (used	l a need	le to inj	ect any	illegal o	lrug into	o their	·		
										4.5	4.1	3.4	3.6	No linear change	Not available	No change
QN57: Percen months before			who we	e offere	ed, sold,	or giver	n an ille	gal drug	g on sch	ool proj	perty (d	uring th	e 12			
										30.1	26.9	23.4	23.5	Decreased, 2013-2018	Not available	No change

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				H	ealth Ri	sk Beha	wior an	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN58:	Percenta	age of st	udents v	who eve	r had se	xual inte	ercourse	;		-	38.4	29.9	31.5	29.0	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN59:	Percenta	age of st	udents v	who had	sexual	intercou	rse for t	he first	time be	fore age	e 13 yea 6.7	urs 4.2	4.7	3.9	Decreased, 2013-2018	Not available	No change
QN60:	Percenta	age of st	udents v	who had	sexual	intercou	rse with	four or	more p	ersons	during t 11.0	their life 8.1	8.7	6.0	Decreased, 2013-2018	Not available	Decreased
QN61: during t					e currei	ntly sexu	ally act	ive (hac	l sexual	interco	urse wi 27.0	th at lea 20.4	st one po 21.3	erson, 19.1	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

Male
Sexual Behaviors

				Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN62: 1 who wer					nk alcoł	nol or us	ed drug	s before	last sex	cual inte	ercourse	e (amon	g studer	nts			
											28.5	29.1	27.7	24.7	No linear change	Not available <sup>§</sup>	No change
QN63: I currently				who use	ed a conc	lom dur	ing last	sexual i	ntercou	rse (am	ong stu 60.6	dents w 65.3	ho were 56.1	54.9	Decreased, 2013-2018	Not available	No change
QN64: 1 among s							oills befo	ore last s	sexual in	ntercou	rse (to j	prevent	pregnan	cy,			
											20.3	18.1	26.2	28.7	Increased, 2013-2018	Not available	No change
QNIUDI or Nexpl active)																	
											1.8	0.6	1.8	3.9	No linear change	Not available	No change

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**Trend Analysis Report** 

Male
Sexual Behaviors

				H	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNSHP control 1 currently	ring (suc	ch as Nu	vaRing							, patch ( nancy, a							
											3.6	2.5	1.3	1.7	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QNOTH implant control i currently	(such as ring (suc	s Implan ch as Nu	on or N vaRing	explano	n); or a	shot (su	ch as De	epo-Pro	vera), pa	nancy, a	ch as O	rthoEvi	a), or bi		Increased, 2013-2018	Not available	No change
																	No change
pills; an	IUD (su	uch as M	lirena o	r ParaG	ard) or i	mplant (	such as	Implan	on or Ne	kual inter explanor	n); or a	shot (si	ich as				
pills; an	IUD (si overa),	uch as N patch (s	firena o uch as (	r ParaGa DrthoEv	ard) or i ra), or b	mplant ( irth con	such as rol ring	Impland (such a	on or Ne s Nuval		n); or a	shot (si	ich as				

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**Trend Analysis Report** 

#### Male Sexual Behaviors

				He	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNBCN intercou									prevent	pregnar	ncy duri	ng last s	exual				
											12.1	14.3	13.8	12.2	No linear change	Not available <sup>§</sup>	No change
QN84: done if t				who wer	e ever t	ested for	r humar	immun	odeficio	ency vir	us (HIV	') (not c	ounting	tests			
												9.7	12.6	10.8	No linear change	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 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)<sup>§</sup> 14.1 15.0 14.8 13.4 No linear change Not available<sup>¶</sup> 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)§ 13.8 12.5 14.7 13.1 No linear change Not available No change QN67: Percentage of students who described themselves as slightly or very overweight 22.9 21.9 24.9 22.1No 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) 24.7 24.2 29.1 32.7 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.

<sup>8</sup>Overweight 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. <sup>†</sup>Not enough years of data to calculate.

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**Trend Analysis Report** 

				Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	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	e or mo	re times	during	the 7 da	ays befo	ore the s	urvey)				
											13.7	12.8	14.7	13.5	No linear change	Not available <sup>§</sup>	No change
			students e 7 days				r drink	100% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			
			students e 7 days				r drink	100% fr	uit juice	es (such	as oran 7.5	ge juice 6.7	, apple j 7.8	uice, 8.1	No linear change	Not available	No change
or grape	juice, d	uring th		s before	the surv	vey) or drank	100% fi	ruit juice	es one o		7.5	6.7	7.8		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.

<sup>§</sup>Not enough years of data to calculate.

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**Trend Analysis Report** 

				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
	: Percer juice, ap									or more	times p	er day (	such as				
											32.4	29.0	27.7	26.1	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN71:	Percenta	age of st	udents	who did	not eat	green sa	alad (on	e or mo	re times	during	the 7 da	iys befo	re the s	urvey)			
											38.1	43.0	46.0	48.2	Increased, 2013-2018	Not available	No change
QN72:	Percenta	age of st	udents	who did	not eat	potatoe	s (one o	r more t	imes du	ring the	e 7 days	before	he surv	ey)			
											29.7	29.6	31.8	34.1	Increased, 2013-2018	Not available	No change
QN73:	Percenta	age of st	udents	who did	not eat	carrots	(one or )	more tir	nes duri	ng the 7	7 days b	efore th	e surve	y)			

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**Trend Analysis Report** 

#### Male Weight Management and Dietary Behaviors

				Н	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN74: survey)	Percen	tage of	students	who dic	not eat	other ve	getable	s (one o	r more t	imes du	iring the	e 7 days	before	the			
											14.5	17.6	17.3	15.2	No linear change	Not available <sup>§</sup>	No change
QNVEC potatoes				ents who ots, or of								ng Fren	ch fries,	fried			
											5.3	7.2	7.6	7.2	No linear change	Not available	No change
				ents who potato c													
											67.1	64.7	63.6	61.4	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) 29.2 27.4 26.1 23.4 Decreased, 2013-2018 Not available§ No change 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) 14.0 14.2 13.1 11.3 Decreased, 2013-2018 Not available No change 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) 23.0 23.7 28.5 28.7 Increased, 2013-2018 Not available No change

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				Н	ealth R	isk Beh	avior an	nd Perce	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2		
			_														
NSOD	A1· Pe	rcenta	re of stu	dents w	no drank	a can b	ottle or	r glass o	of soda c	or pop o	ne or m	ore tim	es per d		, 		
			·			a can, t et soda o	,	0									
			·			,	,	0		days be					Decreased, 2013-2018	Not available <sup>§</sup>	No chang
			·			,	,	0		days be	efore th	e surve	7)	ny	- 	Not available <sup>§</sup>	No chang
uch as	Coke, F	Pepsi, o	r Sprite	, not cou	inting di	,	or diet p	op, duri	ng the 7	' days be	efore th 21.6	e surve 19.6	7) 16.5	ay 14.7	- 	Not available <sup>§</sup>	No chang
uch as (	Coke, F	Pepsi, c	r Sprite	, not cou dents wi	inting di	et soda (	or diet p	op, duri r glass o	ng the 7	v days be	efore th 21.6 wo or m	e surve 19.6 ore tim	7) 16.5 es per d	ay 14.7	- 	Not available <sup>§</sup>	No chang

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**Trend Analysis Report** 

Male
Physical Activity

	Health Risk Behavior and Percentages														Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 1993	3 1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	3 2014	201	5 2018	-		
QN78: Perce kind of physic days before th	al activi	y that in														
	-									55.4	51.0	51.4	51.1	No linear change	Not available <sup>§</sup>	No change
QNPA0DAY 1 day (in any during the 7 d	kind of p	hysical a	ctivity the													
										11.7	13.9	15.9	13.8	No linear change	Not available	No change
QNPA7DAY kind of physic days before th	al activi	y that in														

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**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN79:	Percenta	age of st	tudents	who wat	ched te	levision	3 or mo	re hours	s per da	y (on ar	n averag	ge schoo	l day)				
											25.4	23.4	17.8	14.1	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
(countin	Percentang time sum, Face	spent on	things s	such as 2	Xbox, P	layStati	on, an il	Pad or o	ther tab	let, a sn	nartpho	ne, texti	ng, Ŷou	Tube,			
(countin	ng time s	spent on	things s	such as 2	Xbox, P	layStati	on, an il	Pad or o	ther tabl	let, a sn	nartpho	ne, texti	ng, Ŷou	Tube,	Increased, 2013-2018	Not available	Increased
(countin Instagra QN81:	ng time s	spent on book, or	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, d	nartpho on an av 36.2	ne, texti verage s 40.0	ng, You chool da 40.5	Tube, yy) 45.7	Increased, 2013-2018	Not available	Increased

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**Trend Analysis Report** 

Male	
Physical Activity	

				H	ealth Ri	sk Beh	avior ai	Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>							
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNDLY week wi		0			o attenc	led phys	ical edu	cation (	(PE) cla	sses on	all 5 da <u>:</u> 34.6	ys (in ai 28.0	n averag 26.6	e 24.5	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN83: times du						ission fi	om play	ying a sj	port or b	eing ph	ysically	active	(one or 16.2	more 16.4	No linear change	Not available	No change

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**Trend Analysis Report** 

Male Other	ther Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN86: during t						st (for a	check-	up, exar	n, teeth	cleaning	g, or oth	er denta	ıl work,		;		
												79.7	80.8	81.4	No linear change	Not available <sup>§</sup>	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			
												1.5	2.5	1.7	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 that	at they h	ad asth	ma					
											23.0	25.3	25.1	23.9	No linear change	Not available	No change

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**Trend Analysis Report** 

Male Site-Add	ed																
	Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
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							3.4	1.0	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
QN93: before th									ng (on at	t least 1	day dur	ing the	30 days 32.1	33.6	No linear change	Not available	No change
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette ł	before a	ge 13 ye	ears (for	the firs	t time) 8.0	7.9	4.5	Decreased, 2013-2018	Not available	Decreased
QN98: day duri						bacco in	a hooka	ıh, narg	hile, or o	other ty	pe of wa	aterpipe	(on at le 5.5	east 1 2.6	Decreased, 2016-2018	Not available	Decreased

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**Trend Analysis Report** 

Male	
Site-Added	

				H	ealth Ri	sk Beha	avior an	Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>							
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
					ally use ve ever t						flavor v	with an	electror	nic			
												93.1	96.0	95.5	Increased, 2014-2018	Not available <sup>§</sup>	No change
	Percen HC way		students	s who ha	ive ever	used an	electron	nic vapo	or produ	ct to sm	oke ma	rijuana,	THC o	r hash			
, 01 1		<u> </u>											10.4	19.1	Increased, 2016-2018	Not available	Increased
	Percen ar in the			s who th	ink they	definite	ely or pr	obably	will smo	oke a cig	garette,	cigar, c	igarillo	, or			
-													20.7	16.6	Decreased, 2016-2018	Not available	Decreased
					ed flavo r both, n												
											18.6	15.8	11.2	5.8	Decreased, 2013-2018	Not available	Decreased

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**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 2005 2007 2009 2011 2013 2014 2016 2018 QN104: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey) 12.3 7.8 5.6 Decreased, 2014-2018 Not available§ Decreased QN105: Percentage of students who completely quit using all tobacco products (during the 12 months before the survey, among students who used tobacco products during the 12 months before the survey) 31.7 33.0 34.8 12.4 Decreased, 2013-2018 Not available Decreased QN106: Percentage of students who live with someone who now smokes cigarettes or cigars 34.3 31.8 27.7 25.8 Decreased, 2013-2018 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) 83.5 85.3 No linear change Not available No change

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**Trend Analysis Report** 

Male
Site-Added

ite-Auue				H	ealth Ri	isk Beha	avior ar	Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>							
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN108: during th					ere in th	e same i	room wi	th some	one wh	o was si	noking	(on at l	east one	day			
													23.9	23.7	No linear change	Not available <sup>§</sup>	No change
QN110:		tage of	students	who we	ere taug	ht in the	ir classe	s about	the dan	gers of	tobacco	use (di	uring the	e last			
school y	ear)										71.4	67.1	65.5	61.8	Decreased, 2013-2018	Not available	No change
QN117: friends	Percen	tage of	students	who sa	y defini	tely yes	or prob	ably yes	that yo	ung peo	ple who	o smoke	e have n	nore			
											34.3	29.8	29.4	39.5	Increased, 2013-2018	Not available	Increased
QN118: cool or f		tage of	students	who sa	y defini	tely yes	or prob	ably yes	that sm	oking n	nakes y	oung pe	eople lo	ok			
											22.6	17.9	20.6	24.5	No linear change	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.

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**Trend Analysis Report** 

Male Site-Added

	Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN119: parents								eking h	elp fron	n one or	r more a	dults be	sides th	eir			
											80.2	78.9	79.5	79.9	No linear change	Not available <sup>§</sup>	No change

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**Trend Analysis Report** 

Female	
<b>Injury and Violence</b>	

	Health Risk Behavior and Percentages     01   1993   1995   1997   1999   2001   2003   2007   2009   2011   2013   2014   2016   201														Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
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 t	been dri	nking al	cohol (i	in a car	or other	vehicle	e, one			
										19.8	20.7	12.0	14.7	Decreased, 2013-2018	Not available <sup>§</sup>	Increased
QN10: Percenta times during the days before the s	30 days							-		0		•				
										6.6	5.5	5.3	4.0	Decreased, 2013-2018	Not available	No change
QN11: Percenta the 30 days befor survey)																
										40.2	26.6	32.2	30.0	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

Female	
Injury and	Violence

	Health Risk Behavior and Percentages														Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN13: Percenta day during the 3					eapon o	n school	l proper	ty (such	as a gu	n, knife	, or clui	o, on at	least 1			
										1.6	2.0	3.7	1.2	No linear change	Not available <sup>§</sup>	Decreased
QN14: Percenta or for a sport su												for hui	nting			
												2.2	0.9	Decreased, 2016-2018	Not available	Decreased
QN16: Percenta									on scho	ol prope	erty (suc	ch as a g	gun,			
knife, or club, o	ne or m	ore time	s during	g the 12	months	before t	he surve	ey)								

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**Trend Analysis Report** 

Female	
Injury and	Violence

	Health Risk Behavior and Percentages     991   1993   1995   1997   1999   2001   2003   2007   2009   2011   2013   2014   2016   20													Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN18: Percent months before			who wei	re in a pl	hysical f	ight on	school j	property	(one or	r more t	times du	ring the	e 12			
										5.7	4.8	5.4	5.2	No linear change	Not available <sup>§</sup>	No change
QN22: Percent someone they v	vere dati	ing or go	ing out	with [co	ounting s	such this	igs as b	eing hit.	, slamm	ed into	someth	ng, or i	njured			
								Je the	, ar vey,	among	studenta	who ua				
with an object of went out with s								fie the s	, ur vey,	11.7	10.0	7.6	10.3	No linear change	Not available	No change
	omeone	during t	he 12 m	onths be	efore the	e survey	)			11.7	10.0	7.6	10.3	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.

<sup>§</sup>Not enough years of data to calculate.

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**Trend Analysis Report** 

Female Injury and Violence															
		H	ealth Ri	isk Beha	avior ar	id Perc	entages	•					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 1993 19	95 1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN24: Percentage of Facebook, or other s									d throug	gh textii	ng, Insta	gram,			
									21.0	22.3	18.3	17.3	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN25: Percentage of stopped doing some									eks in a	row so	that the	у			,
									29.8	37.5	37.6	39.3	Increased, 2013-2018	Not available	No change
QN26: Percentage ( survey)	of students	who seri	iously co	onsidere	d attem	pting su	icide (e	ver dur	ing the	12 mon	hs befo	re the			
									20.2	22.4	20.4	21.4	No linear change	Not available	No change
QN27: Percentage of before the survey)	of students	who ma	de a pla	n about l	how the	y would	l attemp	ot suicid	le (durir	ng the 1	2 month	s			
									14.6	16.7	17.7	17.3	No linear change	Not available	No change

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**Trend Analysis Report** 

Female Fobacco V	Use			н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN32: I survey)	Percenta	age of st	udents v	who cur	rently s	moked c	igarette	s (on at	least 1 c	lay duri	ing the 3	30 days	before t	he			
											12.6	9.6	7.1	4.3	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QNFRC days bef				ents wh	o curren	itly smo	ked ciga	rettes fr	equentl	y (on 20	) or mo	re days	during t	he 30			
											3.7	2.3	1.6	0.8	Decreased, 2013-2018	Not available	No change
QNDAY before th			ge of st	udents v	who curi	rently sn	noked ci	garettes	daily (	on all 30	0 days c	luring th	ne 30 da	ys			
											2.3	1.6	1.0	0.5	Decreased, 2013-2018	Not available	No change
QN34: I vape pip eGo, and	es, vapi	ng pens															
												37.0	35.0	46.5	Increased, 2014-2018	Not available	Increased

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**Trend Analysis Report** 

Female	
Tobacco Use	

	Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN35: 1 e-pipes, Plus, eG	vape pij	pes, vap	ing pen	s, e-hool	kahs, an	nd hooka	h pens [	such as	blu, NJ								
												21.8	14.9	34.0	Increased, 2014-2018	Not available <sup>§</sup>	Increased
QNFRE luring tl					o currer	ntly used	lelectro	nic vapo	or produ	cts freq	uently (	on 20 c	or more	days			
												2.1	1.8	9.3	Increased, 2014-2018	Not available	Increased
	EVP: 1 ays befo			udents v	who curi	rently us	ed elect	ronic va	apor pro	ducts da	aily (on	all 30 c	lays dur	ing			
												1.5	1.3	5.8	Increased, 2014-2018	Not available	Increased
				s who cu ne surve		smoked	cigarett	es or us	sed elect	ronic v	apor pro	oducts	(on at le	ast 1			
												25.0	17.7	34.7	Increased, 2014-2018	Not available	Increased

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**Trend Analysis Report** 

Female	
Tobacco	Use

	Health Risk Behavior and Percentages 91 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 201														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	 ;		
such as	a conve	enience	store, su	permark	ket, disc	their ow ount stor etronic v	re, gas s	tation, o	or vape	store, di	uring th	e 30 dag					
													3.9	3.0	No linear change	Not available <sup>§</sup>	No change
lissolva	ble toba	cco pro	ducts [s	uch as C	Copenha	sed smol gen, Griz days bef	zzly, Sk	oal, or <b>(</b>						nic			
													2.3	1.9	No linear change	Not available	No change
		and of a	udents	who cur	rontly					on 1:441	:	1.	act 1 de				
QN38: luring t	Percenta he 30 da				lentry si	noked ci	igars (ci	gars, ci	garinos,	or nute	e cigars,	on at le	ast i ua	iy			

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**Trend Analysis Report** 

Female Tobacco Use

	Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNTB2: before th		0	students	s who cu	urrently	smoked	cigaret	tes or ci	gars (on	at least	t 1 day c	luring tl	ne 30 da	iys			
		-									15.4	11.9	9.6	6.8	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased

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**Trend Analysis Report** 

Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN40:	Percenta	age of st	udents v	vho had	their fi	st drink	of alco	hol befo	re age 1	3 years	(other	than a fe	ew sips)	:			
											14.9	14.9	12.6	10.7	Decreased, 2013-2018	Not available <sup>§</sup>	No change
	Percenta lavs befo	age of st ore the s		vho curr	ently dr	ank alco	ohol (at	least on	e drink	of alcol	nol, on a	at least 1	day du	ring			
the 30 d											261		245		NT 1' 1	N. (	
the 30 d											36.1	34.5	34.5	35.0	No linear change	Not available	No change
QN42: female s	Percenta students ing the 3	or five of	or more	drinks o	of alcoho						rinks of	alcohol	in a rov	v for	No linear change		No change

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Female Alcohol a	and Oth	er Drug	g Use	Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN45:	Percenta	age of st	tudents	who eve	er used r	narijuan	a (one o	r more	times du	iring the	eir life)						
											31.2	32.0	31.1	32.3	No linear change	Not available <sup>§</sup>	No change
QN46:	Percenta	age of st	tudents	who trie	d mariji	uana for	the first	time be	efore ag	e 13 yea	ars		;				
		0			5				U	2	4.9	4.9	3.7	3.3	Decreased, 2013-2018	Not available	No change
QN47: 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	e			
											16.0	19.5	18.8	19.6	No linear change	Not available	No change
QN48:	Percenta	age of st	tudents	who eve	er used s	ynthetic	marijua	ana (one	e or mor	e times	during	their life	:)				
												9.5	5.7	5.2	Decreased, 2014-2018	Not available	No change

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**Trend Analysis Report** 

Female			
Alcohol and	l Other	Drug	Use

				H	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN49: 1 different Hydroco	ly than	how a d	loctor to	old them	to use it	t (counti	ing drug	s such a									
													12.6	13.4	No linear change	Not available <sup>§</sup>	No change
QN50: 1 one or m					r used c	ocaine (	any forr	n of coc	caine, in	cluding	powder	r, crack	, or free	base,			
											4.1	2.9	2.4	2.7	Decreased, 2013-2018	Not available	No change
QN52: I times du			tudents	who eve	r used h	eroin (a	lso calle	ed "smac	ck," "jui	nk," or '	'China V	White,"	one or	more			.,
											2.3	2.0	2.3	1.4	No linear change	Not available	No change
QN53: I "ice," or	Percenta "meth,"	age of st ' one or	tudents more ti	who eve mes dur	r used n ing thei	nethamp r life)	hetamin	nes (also	called	"speed,	" "crysta	al meth	," "cran	k,"			
											2.8	2.4	2.5	1.5	Decreased, 2013-2018	Not available	No change

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	<b>1995</b>	1997	1999	2001	2003	2005										2016-2018
rcentag	re of sti					2005	2007	2009	2011	2013	2014	2016	2018	3		
	se or su	idents w	ho ever	used e	cstasy (a	also call	ed "MD	9MA," o	one or m	ore tim	es durin	g their l	ife)			
										5.7	3.9	3.4	2.7	Decreased, 2013-2018	Not available <sup>§</sup>	No change
					d any ill	legal dru	ıg (usec	l a need	le to inj	ect any	illegal c	lrug into	their			-
or mor	e times	during	their life	e)						1.9	1.7	2.2	1.8	No linear change	Not available	No change
rcentag	re of sti	idents w	ho wer	e offere	d. sold.	or giver	an ille	gal drug	on sch	ool proi	perty (di	ring the	212			
			10		<b>u</b> , so <b>ru</b> ,	or griver		5	,	oorproj						
o	r mor	r more times	r more times during	r more times during their life	r more times during their life) centage of students who were offere	r more times during their life) centage of students who were offered, sold,	r more times during their life) centage of students who were offered, sold, or given	r more times during their life) centage of students who were offered, sold, or given an ille	r more times during their life) centage of students who were offered, sold, or given an illegal drug	r more times during their life) centage of students who were offered, sold, or given an illegal drug on sch	centage of students who ever injected any illegal drug (used a needle to inject any r more times during their life) 1.9 centage of students who were offered, sold, or given an illegal drug on school prop	centage of students who ever injected any illegal drug (used a needle to inject any illegal drug r more times during their life) 1.9 1.7 centage of students who were offered, sold, or given an illegal drug on school property (du	centage of students who ever injected any illegal drug (used a needle to inject any illegal drug into r more times during their life) 1.9 1.7 2.2 centage of students who were offered, sold, or given an illegal drug on school property (during the	centage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their r more times during their life) 1.9 1.7 2.2 1.8 centage of students who were offered, sold, or given an illegal drug on school property (during the 12	centage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their r more times during their life) 1.9 1.7 2.2 1.8 No linear change centage of students who were offered, sold, or given an illegal drug on school property (during the 12	centage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their r more times during their life) 1.9 1.7 2.2 1.8 No linear change Not available centage of students who were offered, sold, or given an illegal drug on school property (during the 12

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				Н	ealth Ri	sk Beha	avior ar	d Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	i		
QN58:	Percenta	age of st	udents v	who eve	r had se	xual inte	ercourse	;			34.7	29.4	26.9	27.7	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN59:	Percenta	age of st	udents v	who had	l sexual	intercou	rse for t	he first	time be	fore age	e 13 yea 3.2	urs 1.7	1.9	1.6	Decreased, 2013-2018	Not available	No change
QN60:	Percenta	age of st	tudents	who had	l sexual	intercou	rse with	n four oi	r more p	ersons	during t 9.1	heir life 5.7	6.1	5.9	Decreased, 2013-2018	Not available	No change
QN61: during t					re currei	ntly sexu	ally act	ive (hac	l sexual	interco	urse wi 26.5	th at leas	st one po 21.2	erson, 21.5	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

Female
<b>Sexual Behaviors</b>

				H	ealth Ri	sk Beha	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	3 2014	2016	2018	_		
QN62: I who wer					nk alcoh	ol or us	ed drug	s before	last sex	cual inte	ercours	e (amon	g studer	nts			
			y								25.3	22.4	24.3	22.9	No linear change	Not available <sup>§</sup>	No change
QN63: I currently				who use	d a cond	lom duri	ing last	sexual i	ntercou	rse (am	ong stu 50.8	idents w 58.6	ho were 48.5	47.6	No linear change	Not available	No change
QN64: I							ills befo	ore last s	sexual in	ntercou	rse (to j	prevent	pregnan	cy,			
among s	tudents	who we	ere curre	ently sex	cually ac	tive)					34.1	25.2	30.2	30.7	No linear change	Not available	No change
QNIUDI or Nexpl active)																	
											1.5	2.4	6.2	8.8	Increased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

Female
<b>Sexual Behaviors</b>

				H	ealth Ri	sk Beha	wior an	d Perce	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
	ing (suc	ch as Nu	vaRing		vho usec last sext												
											2.9	2.0	2.0	3.5	No linear change	Not available <sup>§</sup>	No change
mplant (	(such as ing (suc	s Implar ch as Nu	on or N vaRing	explano	who used on); or a last sexu	shot (su	ch as De	epo-Prov	vera), pa	atch (su	ch as O	rthoEvi	a), or b		No linear change	Not available	No change
QNDUA			Iirena o	r ParaGa	ard) or i	mplant (	such as	Impland	on or Ne	explano	ercourse n); or a	and bir shot (st	rth cont uch as	rol	No linear change	Not available	No chang
Depo-Pr	overa),				ra), or b who wei					xing) be		st sexua	1 mere	ourse			

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Female
<b>Sexual Behaviors</b>

				H	ealth Ri	sk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNBCN intercou									prevent	pregnar	ncy durin 13.9	ng last s 11.2	exual 13.0	12.7	No linear change	Not available <sup>§</sup>	No change
QN84: done if				who we	re ever t	ested fo	r human	ı immur	nodefici	ency vir	rus (HIV	7) (not c 8.0	ounting 9.3	tests 8.5	No linear change	Not available	No change

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Trend Analysis Report

				H	ealth Ri	isk Beha	avior an	d Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
						erweigh data fro						tile for l	oody ma	ISS			
											12.1	14.0	13.0	13.4	No linear change	Not available <sup>¶</sup>	No change
											12.1	14.0	13.0	15.4	ito inicar change		6
						besity (> growth			ile for b	ody mas							
									ile for b	ody mas					No linear change	Not available	No change
age-spec	cific refe	erence of	lata fron	n the 20	00 CDC		charts) <sup>§</sup>				ss index 5.8	, based	on sex-	and			
age-spec	cific refe	erence of	lata fron	n the 20	00 CDC	growth	charts) <sup>§</sup>				ss index 5.8	, based	on sex-	and 6.4			
QN67:	Percenta	age of s	lata fron	who des	cribed th	growth	charts) <sup>§</sup> es as sli	ghtly or	· very ov	verweig	ss index 5.8 ht 32.9	, based 5.5 31.7	on sex- 5.9 30.0	and 6.4 29.2	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.

<sup>8</sup>Overweight 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. <sup>I</sup>Not enough years of data to calculate.

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**Trend Analysis Report** 

				Не	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN70:	Percenta	age of st	udents v	vho did	not eat	fruit (or	ne or mo	re times	during	the 7 da	ays befo	ore the s	urvey)				
											9.3	11.2	9.6	12.1	No linear change	Not available <sup>§</sup>	Increased
ONFR0	: Percer				d not ea		r drink	100% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			
	: juice, a	anne m															
	e juice, d		5								4.5	5.6	5.4	6.2	No linear change	Not available	No change
or grape	: Percer uice, apj	ntage of	students							or more				6.2	No linear change	Not available	No change

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**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
	: Percer juice, ap									or more	times p	er day (	such as				
											32.9	29.2	27.1	24.3	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN71:	Percent	age of st	udents	who did	not eat	green sa	lad (one	e or mor	re times	during	the 7 da	iys befo	re the s	urvey)			
											28.1	31.5	34.3	38.3	Increased, 2013-2018	Not available	Increased
ON72.	Percent	age of st	udents	who did	not eat	potatoes	s (one or	more ti	imes du	ring the	7 days	before t	he surv	ey)			
QIV/2.														20.5	In an and 2012 2018	NT / 1111	NT - 1
QN72.											31.3	28.5	36.5	38.5	Increased, 2013-2018	Not available	No change
	Percent	age of st	udents	who did	not eat	carrots	one or r	nore tin	nes duri	ng the 7					Increased, 2015-2018	Not available	No change

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**Trend Analysis Report** 

Female
Weight Management and Dietary Behaviors

					Н	lealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	3 1	995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN74: survey)		ntage	e of st	udents	who did	l not eat	other ve	egetable	s (one o	r more t	imes du	ring the	e 7 days	before	the			
												11.5	11.8	13.4	15.0	Increased, 2013-2018	Not available <sup>§</sup>	No change
QNVEC potatoes													ng Fren	ch fries,	fried			
												3.5	3.2	4.3	6.3	Increased, 2013-2018	Not available	Increased
QNVEC French f			0			c	·				2.0		· 1		0			
												68.6	66.7	63.1	62.6	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

				Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNVEC French f																	
											28.2	28.4	25.0	25.1	Decreased, 2013-2018	Not available <sup>§</sup>	No change
											20.2	20.4	23.0	23.1	Decreased, 2013-2018	Not available	No enange
QNVEC [excludi survey)											een sala	d, pota	oes				
[excludi											een sala	d, pota	oes		Decreased, 2013-2018	Not available	No change
[excludi	ng Fren	ch fries	, fried po	who did	or potat	o chips]	, carrots	s, or oth	er veget	ables, d	een sala uring th 14.0	d, pota le 7 day 12.2	oes s before 10.8	the 10.2	· · · · · · · · · · · · · · · · · · ·		

\*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.

<sup>§</sup>Not enough years of data to calculate.

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Veight M	lanager	Imagement and Dietary Behaviors   Health Risk Behavior and Percentages   1993 1995 1997 1999 2001 2005 2007 2009 2011 2013 2014 2016 2015											Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNSOD (such as														ay 8.2	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
	Coke, F	Pepsi, or	r Sprite, e of stud	not cour ents wh	nting die o drank	et soda c	or diet p	op, duri r glass o	ing the 7	7 days bo	efore the 13.7 wo or me	e surve 9.9 ore tim	y) 11.0 es per da	8.2	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased

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**Trend Analysis Report** 

Female
<b>Physical Activity</b>

Health Risk Behavior and Percentages					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991   1993   1995   1997   1999   2001   2003   2005   2007   2009   201	11 201	13 201	14 201	16 201	8		
QN78: Percentage of students who were physically active at least 60 minutes per c kind of physical activity that increased their heart rate and made them breathe hard days before the survey)							
	41.8	36.4	35.1	37.9	No linear change	Not available <sup>§</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes 1 day (in any kind of physical activity that increased their heart rate and made them during the 7 days before the survey)							
	17.3	19.1	22.9	21.3	Increased, 2013-2018	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minut kind of physical activity that increased their heart rate and made them breathe hard days before the survey)							
	20.2	15.9	15.2	16.8	No linear change	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN79:	Percenta	ige of st	udents v	who wat	ched tel	levision	3 or mo	ore hours	s per da	y (on ar	n averag	e schoo	l day)				
											24.9	22.0	18.3	19.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
	Percenta ng time s m, Facel	pent on	things s	such as 2	Kbox, P	layStati	on, an il	Pad or o	ther tabl	let, a sn	nartpho	ne, texti	ng, Ŷou	iTube, ay)	Increased, 2013-2018	Not available	No change
		uge of st	udents v	who atte	nded ph	ivsical e	ducatio	n (PE) c	lasses o	n 1 or r	more da	ys (in ai	n averag	ge			
QN81: week w					nava pr	-,											

\*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.

<sup>§</sup>Not enough years of data to calculate.

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Frederick County

Female
<b>Physical Activity</b>

				H	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
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 <u>:</u> 15.8	ys (in ai 14.6	C	e 17.1	No linear change	Not available <sup>§</sup>	Increased
QN83: times du						ussion fi	om play	ying a sj	port or b	being ph	ysically	v active	(one or 1 13.7	more 13.9	No linear change	Not available	No change

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Frederick County

Female Other				Н	ealth Ri	isk Beh	avior ar	nd Perce	entages	ł					Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN86: during th						st (for a	check-1	up, exan	n, teeth	cleaning	g, or oth	er dent	al work,				
												83.4	84.6	84.1	No linear change	Not available <sup>§</sup>	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			
,												1.0	1.0	0.8	No linear change	Not available	No change
QN87:	Percenta	age of s	tudents	who had	l ever be	en told	by a doo	ctor or n	urse that	at they h	ad asth	ma		<u> </u>			
											23.9	24.0	22.7	22.2	No linear change	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Female Site-Add	ed			н	ealth R	isk Beh	avior ar	nd Perc	entages	l					Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
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							1.8	1.3	No linear change	Not available <sup>§</sup>	No change
QN93: before t									ng (on at	t least 1	day dur	ing the (	30 days 33.8	36.5	No linear change	Not available	No change
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette ł	before a	ge 13 ye	ears (for	the firs 4.6	t time) 5.4	4.5	1.9	Decreased, 2013-2018	Not available	Decreased
QN98: day dur						oacco in	a hooka	ıh, nargi	hile, or o	other ty	pe of wa	aterpipe	(on at le 4.3	east 1 3.1	No linear change	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Female Site-Added			Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN99: Percentag vapor product (an										flavor	with an	electron	iic			
											96.0	98.1	97.2	No linear change	Not available <sup>§</sup>	No change
QN101: Percenta oil, or THC wax	age of st	udents	who ha	ve ever	used an	electro	nic vapo	or produ	ct to sm	noke ma	irijuana,	THC o	r hash			
												8.3	17.4	Increased, 2016-2018	Not available	Increased
QN102: Percenta little cigar in the	0		who thi	ink they	definite	ely or pr	obably	will sm	oke a ci	garette,	cigar, c	igarillo	, or			
												15.3	10.5	Decreased, 2016-2018	Not available	Decreased
QN103: Percenta flavored smokeles survey)																
										9.2	10.1	6.3	4.9	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Female Site-Adde	ed														*** ***		
				H	ealth R	isk Beha	avior ai	id Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN104: the surve		tage of	students	who tri	ied or us	sed toba	cco proc	lucts for	r the firs	st time (	during	the 12 n	nonths b	before			
												11.5	9.3	10.5	No linear change	Not available <sup>§</sup>	No change
QN105: survey, a												2 month	is befor	e the			,
											40.2	34.7	37.1	5.4	Decreased, 2013-2018	Not available	Decreased
QN106:	Percen	tage of	students	who liv	ve with	someone	e who no	ow smo	kes ciga	rettes o	r cigars						
											36.5	34.9	27.7	28.2	Decreased, 2013-2018	Not available	No change
QN107: allowed											s that s	moking	is not				
													87.4	86.3	No linear change	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Female
Site-Added

				H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	Percen he 7 day				ere in th	e same 1	room wi	th some	one wh	o was si	noking	(on at l	east one	e day			
													22.2	25.6	No linear change	Not available <sup>§</sup>	No change
QN110: school y		tage of	students	who w	ere taug	ht in the	ir classe	s about	the dan	gers of	tobacco	o use (di	uring the	e last			,
											70.9	68.4	63.6	57.8	Decreased, 2013-2018	Not available	Decreased
QN117: riends	Percen	tage of	students	who sa	y defini	tely yes	or proba	ably yes	that yo	ung pec	ple wh	o smoke	e have n	nore			
											27.7	25.3	26.1	34.7	Increased, 2013-2018	Not available	Increased
QN118: cool or f		tage of	students	who sa	y defini	tely yes	or proba	ably yes	that sm	oking n	nakes y	oung pe	eople lo	ok			

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Female Site-Added

				H	ealth Ri	isk Beh	avior ar	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN119: parents		U						eking h	elp fron	n one or	more a	dults be	sides th	eir			
											82.3	80.8	80.2	78.1	Decreased, 2013-2018	Not available <sup>§</sup>	No change

Maryland High School Survey

**Frederick County** 

Trend Analysis Report

White* Injury a	nd Viol	ence		H	lealth F	Risk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN9: P or more							ho had l	oeen dri	nking al	cohol (i	in a car	or other	vehicle	e, one			
											19.6	19.2	11.7	14.1	Decreased, 2013-2018	Not available <sup>¶</sup>	Increased
QN10: times du days bef	ring the	30 day															
											8.5	7.9	4.6	4.3	Decreased, 2013-2018	Not available	No change
QN11: the 30 d survey)																	
											42.8	30.7	32.4	31.7	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.

Maryland High School Survey

Frederick County

Trend Analysis Report

White*	
Injury and	Violence

			E	Iealth F	Risk Beł	navior a	nd Pero	centages	5					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	<b>Change from</b> <b>2016-2018</b> <sup>§</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN13: Percen day during the					eapon o	n school	l proper	ty (such	as a gu	n, knife	e, or clul	o, on at	least 1			
										3.5	3.2	4.4	2.9	No linear change	Not available <sup>¶</sup>	Decreased
QN14: Percen or for a sport s												for hu	nting			
												3.3	2.7	No linear change	Not available	No change
QN16: Percen knife, or club,									on scho	ol prop	erty (suc	ch as a g	gun,			
										7.0	5.0	6.6	6.2	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

**Frederick County** 

Trend Analysis Report

				E	lealth F	Risk Beh	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN18: months				who we	re in a p	hysical	fight on	school j	property	(one of	r more t	imes du	ring the	e 12			
											8.0	5.9	6.8	6.8	No linear change	Not available <sup>¶</sup>	No change
QN22: someone with an went ou	e they w object c	vere dati or weapo	ng or go on] one o	oing out or more	with [co times do	ounting a uring the	such this e 12 mor	ngs as b nths bef	eing hit	, slamm	ed into	somethi	ing, or i	njured			
											8.5	7.8	6.5	7.8	No linear change	Not available	N7 1
															C		No change
QN23:	Percent	age of st	tudents	who we	re bullie	d on sch	nool proj	perty (e	ver duri	ng the 1	2 mont	hs befor	e the su	irvey)			No change

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

**Frederick County** 

Trend Analysis Report

White* Injury and Violer	nce		Н	lealth R	lisk Ber	navior a	nd Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN24: Percentag Facebook, or othe										d throug	gh textir	ng, Insta	gram,			
										18.0	17.1	15.3	15.2	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN25: Percentag stopped doing sor										eks in a	row so	that the	у			
										23.5	27.0	26.9	30.7	Increased, 2013-2018	Not available	Increased
QN26: Percentag survey)	ge of stu	dents w	ho seri	ously co	onsidere	d attem	pting su	icide (e	ver duri	ing the	12 mont	hs befor	re the			
										15.2	15.8	15.3	16.9	No linear change	Not available	No change
QN27: Percentag		dents w	ho mac	le a plai	n about	how the	y would	l attemp	t suicid	e (durin	ng the 12	2 month	S			
· · · · · · · · · · · · · · · · · · ·																

\*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

**Frederick County** 

Trend Analysis Report

White* Tobacco	Use																
100.000	0.50			H	Health F	Risk Bel	navior a	nd Per	centage	s					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN32: survey)	Percent	age of st	tudents	who cur	rently si	moked c	rigarette	s (on at	least 1 d	lay dur	ing the	30 days	before	the			
											14.0	10.0	7.4	4.4	Decreased, 2013-2018	Not available <sup>¶</sup>	Decreased
QNFRC days bef			of stud	ents wh	o curren	tly smo	ked ciga	arettes fi	equentl	y (on 2	0 or mo	re days	during (	he 30			
											5.1	2.4	1.7	0.9	Decreased, 2013-2018	Not available	No change
QNDAY before th			ge of st	udents v	who curr	ently sn	noked c	igarettes	daily (	on all 3	30 days o	luring t	he 30 da	iys			
											3.6	1.8	1.0	0.6	Decreased, 2013-2018	Not available	No change
QN34: vape pip eGo, and	es, vapi	ing pens															
												38.5	35.0	45.4	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.

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Trend Analysis Report

White* Fobacco Use		Health R	lisk Beha	vior and P	ercentage	es					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991 1993 1995	1997 1999	2001	2003	2005 200	7 2009	2011	2013	2014	2016	2018	3		
QN35: Percentage of stu e-pipes, vape pipes, vapir Plus, eGo, and Halo], on	g pens, e-ho	okahs, an	d hookah	pens [such	as blu, N								
								23.9	16.0	33.3	Increased, 2014-2018	Not available <sup>¶</sup>	Increased
QNFREVP: Percentage of during the 30 days before		ho curren	itly used e	electronic v	apor prod	ucts free	quently (	(on 20 c	r more	days			
								3.3	3.0	11.2	Increased, 2014-2018	Not available	Increased
QNDAYEVP: Percentag he 30 days before the sur		who curr	ently used	d electronic	vapor pr	oducts d	laily (on	all 30 c	lays dui	ring			
								2.4	2.3	7.2	Increased, 2014-2018	Not available	Increased
QNTB5: Percentage of s			smoked c	igarettes or	used ele	etronic v	apor pro	oducts	(on at le	east 1			
day during the 30 days be	tore the surv	Cy)											

\*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

**Frederick County** 

Trend Analysis Report

White* Tobacco	Use																
				E	Iealth F	Risk Beł	avior a	nd Per	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QN36: P (such as a survey, at	a conve	enience	store, su	ıpermarl	ket, disc	ount sto	re, gas	station,	or vape	store, d	uring th	e 30 da					
													6.3	5.1	No linear change	Not available <sup>¶</sup>	No change
QN37: P dissolvab vapor pro	ole toba	acco pro	ducts [s	uch as C	Copenha	gen, Gri	zzly, Sł	coal, or	Camel S					nic			
													5.7	3.7	Decreased, 2016-2018	Not available	Decreased
QN38: P during th					rently s	moked c	igars (c	igars, ci	garillos	, or little	e cigars,	, on at le	east 1 d	ay			
											11.3	9.2	6.9	5.3	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

Frederick County

**Trend Analysis Report** 

White\* Tobacco Use

				E	Iealth F	Risk Beł	navior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	<b>Change from</b> 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QNTB2: before th		U	student	s who c	urrently	smoked	l cigaret	tes or ci	gars (or	n at leas	t 1 day o	during t	he 30 da	ays			
											18.9	14.3	10.9	7.7	Decreased, 2013-2018	Not available <sup>¶</sup>	Decreased

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Alcohol			8	Н	ealth R	tisk Beł	navior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
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 1	13 years	s (other	than a f	ew sips)				
											15.3	14.4	13.2	10.8	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN41: the 30 d				who curi	ently di	rank alc	ohol (at	least on	e drink	of alcol	hol, on 37.4	at least 33.6	day du 34.2	ring 34.2	No linear change	Not available	No change
	ays before the second students before the second	age of st	urvey) cudents v	who curi drinks o	ently w	vere bing	ge drink	ing (had	four or	more d	37.4	33.6	34.2	34.2	No linear change	Not available	No change

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Trend Analysis Report

White* Alcohol a	and Ot	her Dru	ıg Use	ł	Iealth F	tisk Beh	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QN45:	Percent	age of s	tudents	who eve	er used n	narijuan	a (one c	r more	times du	iring the	eir life)						
											31.7	29.7	29.5	29.8	No linear change	Not available <sup>¶</sup>	No change
QN46:	Percent	age of s	tudents	who trie	d mariju	ana for	the first	time be	efore ag	e 13 yea	ars						
											5.9	5.1	4.3	2.9	Decreased, 2013-2018	Not available	Decreased
QN47: 2 survey)	Percent	age of s	tudents	who cur	rently u	sed mari	ijuana (o	one or n	nore tim	es durir	ng the 30	) days b	efore th	ie			
											17.5	18.3	18.2	19.4	No linear change	Not available	No change
QN48:	Percent	age of s	tudents	who eve	er used s	ynthetic	marijua	ana (one	or mor	e times	during t	heir life	e)				
												7.7	5.1	3.9	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.

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Trend Analysis Report

Alcohol and Other E	Drug Use	H	lealth R	lisk Beh	avior a	nd Pero	centage	s					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991 1993 199	5 1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QN49: Percentage o differently than how Hydrocodone, and Pe	a doctor to	ld them	to use it	t (counti	ing drug	s such a									
											11.0	11.6	No linear change	Not available <sup>¶</sup>	No change
QN50: Percentage o one or more times du			r used c	ocaine (	any for	n of coo	caine, in	cluding	powde	er, crack	, or free	base,			
	0	,							4.7	3.7	3.2	2.9	Decreased, 2013-2018	Not available	No change
QN52: Percentage o times during their life		who eve	r used h	eroin (a	lso calle	ed "sma	ck," "jui	nk," or '	'China	White,"	one or	more			
									2.8	2.1	2.5	1.6	No linear change	Not available	No change
QN53: Percentage o					hetamir	nes (also	o called	"speed,	" "cryst	al meth	," "cran	k,"			
"ice," or "meth," one	or more th		0												

\*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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				Н	lealth R	isk Beh	avior a	nd Perc	entages	5					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54:	Percenta	age of st	udents v	vho eve	r used e	cstasy (a	also call	ed "MD	MA," o	ne or m	ore tim	es durin	g their l	life)			
											6.6	4.4	3.0	2.9	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
			udents v			d any il	legal dru	ug (used	a need	le to inj					Decreased, 2013-2018	Not available¶	No chang
			udents v s during			d any il	legal dru	ug (used	a need	le to inj					Decreased, 2013-2018 No linear change	Not available <sup>¶</sup> Not available	No chang No chang
ody, or 0N57:	e or mo	ore times	during udents v	their life	e)						ect any 2.3	illegal d 1.9	lrug into	o their 2.1			

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Trend Analysis Report

White* Sexual F	Behavio	rs		F	Iealth F	Risk Beh	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN58:	Percent	age of s	tudents	who eve	er had se	exual inte	ercourse	;			35.9	28.5	27.9	28.4	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN59:	Percent	age of s	tudents	who had	l sexual	intercou	Irse for t	he first	time be	fore ag	e 13 yea 3.3	urs 1.9	2.3	1.9	Decreased, 2013-2018	Not available	No change
QN60:	Percent	age of s	tudents	who had	l sexual	intercou	irse with	n four oi	r more p	persons	during t 8.4	their life 6.0	6.2	5.3	Decreased, 2013-2018	Not available	No change
QN61: during t						ntly sexu	ally act	ive (hac	l sexual	interco	urse wi 27.2	th at lea 21.1	st one po 21.1	erson, 21.5	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

**Frederick County** 

Trend Analysis Report

White* Sexual B	Sehavior	s		F	Iealth F	tisk Bel	navior a	and Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN62: 1 who wei					nk alcol	nol or us	sed drug	s before	e last sez	kual int	ercourse	e (amon	g stude	nts			
											27.2	21.4	23.4	24.5	No linear change	Not available <sup>¶</sup>	No change
QN63: currently				who use	d a cond	lom dur	ing last	sexual i	ntercou	rse (am	ong stu	dents w 62.1			No linear change	Not available	No change
	Percenta tudents						pills befo	ore last	sexual i	ntercou	rse (to p	prevent	pregnar	icy,			
											31.3	25.0	33.2	32.2	No linear change	Not available	No change
QNIUD or Nexp active)																	
,											1.9	1.5	4.0	6.6	Increased, 2013-2018	Not available	

\*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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**Frederick County** 

Trend Analysis Report

White* Sexual B	Sehavio	rs		H	Iealth F	Risk Beł	navior a	and Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QNSHP control 1 currently	ring (suc	ch as Nu	vaRing														
	,		- / /								3.1	2.4	1.9	3.1	No linear change	Not available <sup>¶</sup>	No change
QNOTH implant control r	(such as ring (suc	s Implar ch as Nu	ion or N waRing	explane	on); or a	shot (su	ich as Ď	epo-Pro	overa), p	atch (su	ch as O	rthoEvi	a), or bi				
-		2	,								36.2	28.9	39.1	41.9	Increased, 2013-2018	Not available	No change
QNDUA pills; an Depo-Pr (to preve	IUD (su rovera),	uch as M patch (s	firena o uch as (	r ParaG OrthoEv	ard) or i vra), or b	mplant oirth con	(such as trol ring	s Implan g (such a	ion or N as Nuval	explano	n); or a	shot (si	ich as				
											11.5	11.4	12.3	13.4	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.

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Trend Analysis Report

				H	lealth R	Risk Beł	navior a	and Per	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
-			0			not use y sexual	2		prevent	pregnar	ncy duri	ng last s	exual				
-			0				2		prevent	pregnar	ncy durin 9.8	ng last s 10.2	exual 9.1	8.7	No linear change	Not available <sup>¶</sup>	No chang
ntercour	rse (amo	ong stud	udents wh	o were	currentl	y sexual	lly active	e)		pregnar ency vir	9.8	10.2	9.1		No linear change	Not available <sup>¶</sup>	No chang

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Trend Analysis Report

				H	Iealth F	Risk Beh	avior a	nd Perc	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
	T: Perco ased on											tile for l	oody ma	ass			
											11 6	1 4 1	12.0	10.7	No linear sheres	Not available	No change
											11.6	14.1	13.0	12.7	No linear change	Not available	i to enang
	ESE: Pe cific refe								le for b	ody mas					No nnear change	Not available	
									ile for b	ody mas					No linear change	Not available	
ige-spe		erence d	ata fron	n the 200	00 CDC	growth	charts) <sup>¶</sup>	Î			ss index 9.7	, based	on sex-	and			No chang
ge-spe	cific refe	erence d	ata fron	n the 200	00 CDC	growth	charts) <sup>¶</sup>	Î			ss index 9.7	, based	on sex-	and			
ge-spec 2N67: 2N69:	cific refe	age of st	ata fron	who des	00 CDC	growth hemselv	charts) <sup>¶</sup> res as sli	ghtly or	· very ov	verweigl	9.7 ht 27.7	, based 8.0 26.3	on sex- 9.6 26.8	and 8.5 25.4	No linear change	Not available	No chang

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>1</sup>Overweight 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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Frederick County

Trend Analysis Report

				H	lealth R	tisk Bel	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN70:	Percenta	age of st	udents	who did	not eat	fruit (or	e or mo	re times	s during	the 7 da	ays befo	ore the s	urvey)	:			
											10.3	10.1	11.0	12.1	No linear change	Not available <sup>¶</sup>	No change
QNFR0	: Percer	ntage of luring th					r drink	100% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			
or grape	jaree, a													7.0	No linear shanga		
or grape	jaree, a										5.8	5.5	6.3	7.2	No linear change	Not available	No change
QNFR1	: Percer uice, ap									or more 1		<u> </u>		1.2	No iniear change	Not available	No chang

\*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

Frederick County

Trend Analysis Report

				Н	lealth F	tisk Beł	navior a	nd Pero	centage	5					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
	: Percei juice, ap									or more	times p	er day (	such as				
											31.5	27.9	26.5	25.1	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN71:	Percenta	age of st	udents	who did	not eat	green sa	ilad (one	e or mor	e times	during	the 7 da	iys befo	re the s	urvey)			
											31.6	35.4	38.2	41.3	Increased, 2013-2018	Not available	No chang
QN72:	Percenta	age of st	udents	who did	not eat	potatoes	s (one or	r more ti	imes du	ring the	e 7 days	before	the surv	ey)			
											28.2	26.0	31.1	34.3	Increased, 2013-2018	Not available	Increased
						comoto	one or i	more tin	nes duri	ng the '	7 days b	efore th	e surve	v)			
QN73:	Percenta	age of st	udents v	who aid	not eat	carrots		more un	ics uuri	ing the	aujso		•	· /			

\*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

Frederick County

Trend Analysis Report

				H	ealth R	lisk Beh	avior a	nd Perc	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN74: survey)	Percenta	ige of st	udents v	vho did	not eat	other ve	getables	s (one or	r more t	imes du	iring the	e 7 days	before t	he			
											11.6	12.4	14.0	13.7	No linear change	Not available <sup>¶</sup>	No change
		entage	of stude	nts who	did not	eat veg	etables (	green sa	alad, por	tatoes [e	excludir	ng Frenc	h fries,	fried			
	60: Perc , or pota				ner vege			he 7 day				3.6	5.5	5.7	Increased, 2013-2018	Not available	No change
QNVEC		to chips	s], carrot	ts, or oth	ate veg	etables, o	during the	nore tim	es per d	e the sur	rvey) 3.5 en salad	, potato	es [exclu	ıding	Increased, 2013-2018	Not available	No chang

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Trend Analysis Report

				H	lealth R	Risk Beh	navior a	nd Pero	centage	8					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
			of stude oes, or p														
													24.2	25.2	D 1 2012 2010		N7 1
											29.1	27.6	24.2	25.2	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
			of stude: , fried po								een sala	d, potat	oes		Decreased, 2013-2018	Not available <sup>®</sup>	No change
excludi											een sala	d, potat	oes		Decreased, 2013-2018 Decreased, 2013-2018	Not available	No change
excludi survey) QN75:	ng Frend Percenta	ch fries,		who did	or potat	o chips]	, carrots	or glass	of soda	ables, d	een sala uring th 13.0	d, potat e 7 day 12.1	oes s before 10.1	the 10.0			

\*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

Frederick County

Trend Analysis Report

				Н	ealth R	isk Beh	avior a	nd Perc	entages	5					Linear Change <sup><math>\dagger</math></sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
NSODA	A1: Per	rcentage	e of stud	ents wh	o drank	a can, b	ottle, or	glass o	f soda o	r pop or	ne or me	ore tim	es per da	ay	t.		
such as C	Coke, P	Pepsi, or	Sprite,	not cour	nting die	et soda c	or diet po	op, duri	ng the 7	days be	efore the	e surve	y)	-			
											17.9	14.7	13.3	11.4	Decreased, 2013-2018	Not available <sup>¶</sup>	No chang

Maryland High School Survey

Frederick County

Trend Analysis Report

White*	
Physical Activity	

Health Risk Behavior and Percentages					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991   1993   1995   1997   1999   2001   2003   2005   2007   2009   2003	011 2013	3 2014	2016	2018			
QN78: Percentage of students who were physically active at least 60 minutes per kind of physical activity that increased their heart rate and made them breathe har days before the survey)							
	50.6	46.3	45.8	48.8	No linear change	Not available <sup>¶</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minute 1 day (in any kind of physical activity that increased their heart rate and made the during the 7 days before the survey)							
	13.2	13.7	16.4	13.8	No linear change	Not available	Decreased
QNPA7DAY: Percentage of students who were physically active at least 60 minu kind of physical activity that increased their heart rate and made them breathe har days before the survey)							
	26.6	24.4	23.1	25.1	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

**Frederick County** 

Trend Analysis Report

				H	lealth F	Risk Beł	navior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
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 da	y (on ar	n averag	e schoo	l day)				
											21.9	20.5	15.9	14.9	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
																	C
countin	g time s	spent on	things s	uch as 2	Xbox, P	eo or cor layStation r someth	on, an il	ad or o	ther tabl	let, a sn	nartphor	ne, texti	ng, Ŷou	Tube,			
countin	g time s	spent on	things s	uch as 2	Xbox, P	layStati	on, an il	ad or o	ther tabl	let, a sn	nartphor	ne, texti	ng, Ŷou	Tube,	Increased, 2013-2018	Not available	Increased
countin nstagra QN81:	g time s m, Face	spent on book, or age of st	things s r other s	uch as 2 ocial me	Xbox, P edia, foi	layStati	on, an il ing that	ad or o was no	ther tabl	let, a sm work, o	nartphor on an av 31.5	ne, textin rerage so 35.9	ng, You chool da 36.5	Tube, y) 40.8	Increased, 2013-2018	Not available	

\*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

Frederick County

Trend Analysis Report

White* Physica	l Activit	ty		I	Iealth F	Risk Bel	havior a	and Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDLY week w					no attend	ded phys	sical edu	ication (	(PE) cla	sses on	all 5 da 24.8	ys (in a 22.1	n averag 20.2	ge 22.2	No linear change	Not available <sup>¶</sup>	No change
	Percent uring the					ussion f	rom play	ying a sj	port or b	being ph	nysically	v active	(one or 13.9	more 15.0	No linear change	Not available	No change

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Trend Analysis Report

White* Other				E	Iealth F	tisk Bel	navior a	nd Pero	centage	s					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN86: during t						st (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er denta 85.0	al work 85.7	, 84.8	No linear change	Not available <sup>¶</sup>	No change
QNNOI work)	ONT: Pe	ercentag	e of stu	dents w	ho neve	r saw a	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning, o	or other	dental			
,												0.5	1.1	0.7	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 n	urse that	at they h	ad asth	na		·			
											22.4	24.6	22.3	21.5	No linear change	Not available	No change

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**Frederick County** 

Trend Analysis Report

White* Site-Add	led			ł	Iealth F	Risk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	<b>Change from</b> <b>2016-2018</b> <sup>§</sup>
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			;				2.1	1.0	Decreased, 2016-2018	Not available <sup>¶</sup>	Decreased
QN93: before the									g (on at	least 1	day dur	ing the		37.0	No linear change	Not available	No change
QN94:	Percent	age of s	tudents	who sm	oked a v	vhole ciį	garette b	efore a	ge 13 ye	ears (for	the firs 6.4	st time) 5.4	5.2	2.3	Decreased, 2013-2018	Not available	Decreased
QN98: day duri						bacco in	a hooka	h, nargl	hile, or o	other ty	pe of wa	aterpipe	(on at le 3.2	east 1 2.4	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.

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Trend Analysis Report

White* Site-Added				I	Iealth F	Risk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991 19	93 1	995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QN99: Perc vapor produ											flavor v	vith an	electror	nic			
												95.0	97.7	97.0	No linear change	Not available <sup>¶</sup>	No change
QN101: Per oil, or THC		ge of s	tudents	s who ha	ave ever	used an	electro	nic vapo	or produ	ct to sm	ioke mai	rijuana,	, THC o	r hash			
													8.6	18.8	Increased, 2016-2018	Not available	Increased
QN102: Per little cigar ir				s who th	ink they	definite	ely or pr	obably	will smo	oke a ciş	garette,	cigar, c	igarillo	, or			
													17.2	13.4	Decreased, 2016-2018	Not available	Decreased
QN103: Per flavored smo survey)																	
											13.8	13.3	7.6	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.

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Trend Analysis Report

White* Site-Adde	ed			H	lealth R	Risk Beh	avior a	nd Pero	centage	5					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN104: 1 the survey		tage of	students	who tri	ed or us	sed tobac	cco proc	lucts for	the firs	t time (	during t	he 12 m	ionths b	efore			
												12.5	8.5	9.0	Decreased, 2014-2018	Not available <sup>¶</sup>	No change
QN105: 1 survey, ar												2 month	s before	the			
											33.1	33.3	35.8	7.9	Decreased, 2013-2018	Not available	Decreased
QN106: 1	Percent	tage of	students	who liv	ve with s	someone	e who no	ow smol	kes ciga	rettes or	cigars	· · · ·					
											35.0	32.3	27.8	26.9	Decreased, 2013-2018	Not available	No change
QN107: 1 allowed a										home i	s that si	noking	is not				
													86.0	86.4	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.

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Frederick County

Trend Analysis Report

				H	lealth R	tisk Beł	navior a	and Pero	centage	5					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN108: during th					ere in th	e same	room wi	ith some	eone wh	o was si	noking	(on at ]	east one	e day			
													24.9	26.5	No linear change	Not available¶	No change
QN110: school y		tage of	students	who we	ere taug	ht in the	eir classe	es about	the dan	gers of	tobacco	o use (di	uring the	e last			
											70.2	68.1	65.5	60.2	Decreased, 2013-2018	Not available	No change
QN117: riends	Percen	tage of	students	who sa	y defini	tely yes	or prob	ably yes	s that yo	ung peo	ple wh	o smok	e have r	nore			
											25.4	21.7	22.6	32.4	Increased, 2013-2018	Not available	Increased
QN118: cool or f		tage of	students	who sa	y defini	tely yes	or prob	ably yes	s that sm	oking n	nakes y	oung po	eople lo	ok			
												13.2	14.7	21.6	Increased, 2013-2018	Not available	

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

Frederick County

**Trend Analysis Report** 

White*
Site-Added

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				H	lealth R	Risk Beh	navior a	nd Pero	centages	5					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN119: parents								eking h	elp fron	n one or	more a	dults be	sides th	eir			
											83.7	82.7	82.5	82.5	No linear change	Not available <sup>¶</sup>	No change

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Trend Analysis Report

				F	Iealth R	lisk Beh	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	<b>Change from 2016-2018</b> <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
					with a c e the sur		ho had l	been dri	nking al	cohol (i	in a car	or other	vehicle	e, one			
											19.1	15.4	13.2	10.3	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
imes du	ring the		s before		ve a car vey, amo												
											11.5	6.3	5.3	1.7	Decreased, 2013-2018	Not available	No change
					ted or e- tudents												
urvey)																	

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*	
Injury and	<b>Violence</b>

	Health Risl	k Behavior and Per	centages						Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991 1993 1995 199	7 1999 2001 2	003 2005 2007	2009	2011	2013	2014	2016	2018			
QN13: Percentage of studen day during the 30 days befor		oon on school proper	ty (such a	as a gun	ı, knife	, or clut	o, on at	least 1			
					6.2	5.5	7.3	3.8	No linear change	Not available <sup>¶</sup>	No change
QN14: Percentage of studen or for a sport such as target s							for hur	nting			
							4.8	4.4	No linear change	Not available	No change
QN16: Percentage of studen knife, or club, one or more ti				on schoo	ol prope	erty (suc	h as a g	gun,			
					14.2	10.3	10.6	6.2	Decreased, 2013-2018	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

Frederick County

Trend Analysis Report

Black* Injury a	nd Viol	ence		ł	Iealth I	Risk Bel	navior a	nd Pero	centage	s					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN18: months				who we	re in a p	hysical	fight on	school	property	(one o	r more	times du	uring the	e 12			
											16.1	10.8	12.3	14.0	No linear change	Not available <sup>¶</sup>	No change
QN22: someon with an went ou	e they w object o	vere dati r weapo	ng or go n] one o	oing out	with [co times d	ounting uring the	such thi e 12 mo	ngs as b nths bef	eing hit	, slamm	ed into	someth	ing, or i	njured			
											11.7	12.0	11.3	12.0	No linear change	Not available	No change
QN23:	Percenta	age of st	tudents	who we	re bullie	ed on sch	nool pro	perty (e	ver duri	ng the 1	2 mont	hs befo	re the su	irvey)			
											20.3	15.9	16.0	14.6	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

Frederick County

**Trend Analysis Report** 

Black\* **Injury and Violence** Health Risk Behavior and Percentages Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) 11.9 10.6 13.9 10.0 No linear change Not available<sup>¶</sup> No change QN25: Percentage of students who felt sad or hopeless (almost every day for  $\geq 2$  weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) 25.2 26.0 29.6 26.8 No linear change Not available No change QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) No linear change Not available No change 15.3 14.5 18.2 15.0 QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey) 9.8 No linear change Not available No change 12.3 16.5 12.2

\*Non-Hispanic.

<sup>†</sup>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

**Frederick County** 

Trend Analysis Report

Black* Tobacco	Use			H	lealth F	Risk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN32: I survey)	Percenta	age of st	udents v	who cur	rently si	moked c	igarette	s (on at	least 1 d	lay duri	ing the 3	30 days	before	the			
											12.5	7.1	7.4	4.0	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QNFRCI days befo			of stude	ents who	o curren	tly smol	ked ciga	rettes fr	equentl	y (on 20	) or mo	re days	during t	he 30			
											2.7	1.7	1.0	0.8	No linear change	Not available	No change
QNDAY before th			ge of stu	idents v	vho curr	rently sn	noked ci	garettes	daily (	on all 30	0 days c	luring t	ne 30 da	iys			
											2.5	1.0	0.6	0.3	No linear change	Not available	No change
QN34: I vape pipe eGo, and	es, vapi	ng pens															
												41.2	42.0	39.5	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** 

Frederick County

**Trend Analysis Report** 

Black\* **Tobacco Use** Health Risk Behavior and Percentages Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey) 22.0 16.0 27.4 No linear change Not available<sup>¶</sup> Increased ONFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 2.1 1.2 4.8 No linear change Not available Increased QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) Not available No change 1.5 1.2 2.7 No linear change ONTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 19.6 28.9 No linear change Not available Increased 25.7

\*Non-Hispanic.

<sup>†</sup>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

**Frederick County** 

Trend Analysis Report

				H	lealth R	Risk Beh	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
issolva	ble toba	acco pro	tudents ducts [s	uch as C	Copenha	gen, Gri	zzly, Sk	coal, or	Camel S					nic			
upor pr	ouucis,	on at le	ast I dag	y during	the 30 (	days bet	ore the	survey)									
upor pr	oducis,	on at it	ast I da <u>v</u>	y during	the 30 o	days bef	ore the	survey)					6.3	2.6	Decreased, 2016-2018	Not available <sup>¶</sup>	Decrease
N38: 1	Percenta	age of s	tudents v	who cur		-				, or little	e cigars,	on at lo			Decreased, 2016-2018	Not available <sup>¶</sup>	Decreased
N38: 1	Percenta	age of s	tudents	who cur		-				, or little	e cigars, 11.5	, on at le 7.8			Decreased, 2016-2018 No linear change	Not available <sup>¶</sup> Not available	Decrease
N38: 1 uring th NTB2:	Percenta he 30 da	age of s ays befo	tudents	who cur irvey)	rently sr	moked c	igars (c	igars, ci	garillos,		11.5	7.8	east 1 da 11.2	y 5.4			

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

Frederick County

Trend Analysis Report

				H	lealth F	Risk Beh	navior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN40:	Percenta	age of st	udents v	who had	their fi	rst drink	of alco	hol befo	ore age 1	13 years	s (other t	han a fe	ew sips)				
											22.0	18.2	15.8	13.2	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
	Percenta ays befo			who cur	rently d	rank alc	ohol (at	least on	e drink	of alcol	hol, on a	t least 1	l day du	ring			
	ujs sere	ie die s	ur (cy)								33.0	22.4	26.7	18.0	Decreased, 2013-2018	Not available	Decreased
					.1		e drink	ing (had	l four or	more d	lrinks of			v for			
female	students	or five	or more		of alcoh					ithin a c	couple o	f hours.	, on at le	ast 1			

**Black**\*

Maryland High School Survey

**Frederick County** 

Trend Analysis Report

Black* Alcohol	and Ot	her Dru	ıg Use	H	Iealth F	Risk Beł	navior a	nd Pero	centage	8					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	<b>Change from</b> <b>2016-2018</b> <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QN45:	Percent	age of s	tudents	who eve	er used r	narijuan	a (one c	or more	times dı	uring the	eir life)						
											43.7	41.5	41.3	29.3	Decreased, 2013-2018	Not available <sup>¶</sup>	Decreased
QN46:	Percent	age of s	tudents	who trie	d mariji	uana for	the firs	t time be	efore ag	e 13 yea	ars				·		
											11.3	10.0	10.3	6.4	Decreased, 2013-2018	Not available	No change
QN47:	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			
survey)											25.0	20.7	25.8	18.6	No linear change	Not available	Decreased
QN48:	Percent	age of s	tudents	who eve	er used s	ynthetic	mariju	ana (one	e or mor	e times	during	their life	e)				
												13.1	8.9	6.4	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

Frederick County

Trend Analysis Report

Black*	
Alcohol and Other Drug Use	

				E	Iealth F	Risk Beh	avior a	nd Perc	entages	5					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
differen	tly than	how a c	loctor to	ld them	to use i	rescripti t (counti during t	ing drug	s such a									
													14.3	14.6	No linear change	Not available <sup>¶</sup>	No change
			tudents v ng their l		er used c	ocaine (	any forr	n of coc	aine, in	cluding	powder	r, crack	or free	base,			
											6.0	4.5	6.0	3.1	No linear change	Not available	No change
QN52: times di			tudents	who eve	er used h	eroin (a	lso calle	ed "smac	k," "jur	1k," or "	'China V	White,"	one or	more			
											4.7	3.2	3.9	2.8	No linear change	Not available	No change
			tudents more ti			nethamp r life)	hetamin	nes (also	called	"speed,'	" "crysta	al meth,	" "cran	k,"			
											5.6	3.9	4.7	2.7	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.

Maryland High School Survey

Frederick County

Trend Analysis Report

Black* Alcohol	and Ot	her Dru	ıg Use	I	Iealth F	Risk Bel	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN54:	Percent	age of st	tudents	who eve	er used e	ecstasy (	also call	ed "MD	MA," o	one or m	ore tim	es durin	g their l	life)			
											8.7	5.3	6.0	3.5	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN56: body, or						ed any il	llegal dr	ug (usec	l a need	le to inj	ect any	illegal d	lrug into	o their			
50 <b>4</b> <u>y</u> , 01			5 during								4.4	3.0	4.5	2.1	No linear change	Not available	No change
QN57: months				who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool prop	berty (du	iring the	e 12			
											35.6	25.8	19.9	19.5	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

**Frederick County** 

Trend Analysis Report

Black* Sexual F	Sehavio	rs		F	Health F	Risk Beh	navior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN58:	Percent	age of s	tudents	who eve	er had se	exual inte	ercourse			;	42.9	30.0	35.6	26.3	Decreased, 2013-2018	Not available <sup>¶</sup>	Decreased
QN59:	Percent	age of s	tudents	who had	l sexual	intercou	urse for t	the first	time be	fore ag	e 13 yea 9.9	ars 5.2	6.3	4.6	No linear change	Not available	No change
QN60:	Percent	age of s	tudents	who had	l sexual	intercou	ırse with	n four oi	r more p	persons	during t 17.0	their life 9.7	12.6	5.9	Decreased, 2013-2018	Not available	Decreased
QN61: during t						ntly sexu	ally act	ive (had	l sexual	interco	ourse wi 29.4	th at lea 19.1	st one p	erson, 15.9	Decreased, 2013-2018	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

Frederick County

**Trend Analysis Report** 

Black*	
Sexual Behaviors	

				H	lealth R	tisk Beh	avior a	nd Perc	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN84: done if t				who wer	e ever t	ested for	r human	ı immun	odeficio	ency vir	us (HIV	7) (not c 12.7	ounting 14.6	tests 13.1	No linear change	Not available <sup>¶</sup>	No change

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Trend Analysis Report

				H	lealth R	lisk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
			of studer d age-sp									tile for l	oody ma	ISS			
											10.5	160	10.5	167	No linear sheres	Net and lable	No change
											19.5	16.2	19.5	16.7	No linear change	Not available	i to change
			e of stud lata fron						ile for b	ody mas					No nnear change		i to change
									ile for b	ody mas			on sex-		No linear change	Not available	No change
age-spec	cific refe	erence d		n the 200	00 CDC	growth	charts)	Î			ss index 10.4	, based	on sex-	and			
age-spec	cific refe	erence d	lata fron	n the 200	00 CDC	growth	charts)	Î			ss index 10.4	, based 11.3	on sex-	and 11.9			
QN67:	Percent	age of stage	lata fron	n the 200	00 CDC	growth	charts) <sup>1</sup> es as sli	ghtly or	· very ov	verweigl	ss index 10.4 ht 24.7	, based 11.3 22.6	on sex- 10.8 26.4	and 11.9 21.3	No linear change	Not available	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>1</sup>Overweight 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

Frederick County

Trend Analysis Report

				Н	ealth R	lisk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN70: F	Percenta	ige of st	udents v	vho did	not eat	fruit (or	e or mo	re times	during	the 7 da	ays befo	re the s	urvey)				
											18.1	19.2	23.0	19.4	No linear change	Not available <sup>¶</sup>	No chang
							r drink 1	100% fr	uit juice	es (such					No linear change	Not available <sup>¶</sup>	No chang
ONFRO: or grape							r drink 1	100% fr	uit juice	es (such					No linear change	Not available <sup>¶</sup> Not available	No chang No chang
r grape	juice, d	uring th	e 7 days	s before	the surv e fruit o	vey) or drank	r drink 1 100% fr	ruit juic	es one o		as orang 9.7	ge juice 8.6	, apple	juice,			

\*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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Frederick County

Trend Analysis Report

				H	ealth R	isk Beh	avior a	nd Perc	entage	5					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
	: Percer juice, ap									or more	times p	er day (	such as				
											35.3	29.0	29.5	26.5	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN71:	Percenta	ige of st	udents v	who did	not eat	green sa	lad (one	or mor	e times	during	the 7 da	iys befo	re the s	urvey)			
											47.5	48.5	49.9	51.8	No linear change	Not available	No chang
QN72:	Percenta	ige of st	udents v	vho did	not eat j	potatoes	(one or	more ti	mes du	ring the	7 days	before	the surv	ey)			
QN72:	Percenta	ige of st	udents v	who did	not eat j	potatoes	(one or	more ti	mes du	ring the	7 days 37.3	before 39.7	the surv 45.7	ey) 48.9	Increased, 2013-2018	Not available	No chang
	Percenta										37.3	39.7	45.7	48.9	Increased, 2013-2018	Not available	No chang

\*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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Frederick County

Trend Analysis Report

Black* Weight I	Manage	ement a	nd Diet	-		Risk Beł	navior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN74: survey)	Percenta	age of st	tudents	who did	not eat	other ve	getable	s (one o	r more t	imes du	ring the	e 7 days	before	the			
											20.1	26.3	21.1	22.2	No linear change	Not available <sup>¶</sup>	No change
QNVEC potatoes												ng Frenc	ch fries,	fried			
											7.5	11.9	7.8	10.3	No linear change	Not available	No change
QNVEC French t																	
											54.5	51.7	55.1	49.6	No linear change	Not available	No change

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Trend Analysis Report

				H	lealth R	lisk Beh	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
	2: Perc ries, frie																
											20.1	21.9	23.7	19.7	No linear change	Not available <sup>¶</sup>	No change
	3: Perc ng Freno													the			,
[excludi										ables, di		e 7 day		the 11.2	No linear change	Not available	No change
excludi survey) QN75:		ch fries,	fried po	who did	or potat	o chips] k a can,	, carrots	, or othe	of soda	ables, du	uring th 10.5	ie 7 day 11.3	s before 11.8	11.2	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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Trend Analysis Report

Health Risk Behavior and Percentages										Linear Change <sup><math>\dagger</math></sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>				
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
NSODA1: Pe uch as Coke, l													ay			
										16.8	16.4	18.9	13.9	No linear change	Not available <sup>¶</sup>	

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Trend Analysis Report

Black*	
Physical Activity	

Health Risk Behavior and Percentages		Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	<b>Change from</b> 2016-2018 <sup>§</sup>
1991   1993   1995   1997   1999   2001   2003   2005   2007   2009   2011   2005	13 2014 2016 2018	-		
QN78: Percentage of students who were physically active at least 60 minutes per day on 5 kind of physical activity that increased their heart rate and made them breathe hard some or days before the survey)	5 ( 5			
45.0	) 42.0 38.9 38.0	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of phy 1 day (in any kind of physical activity that increased their heart rate and made them breathed during the 7 days before the survey)				
22.1	21.0 26.6 25.1	No linear change	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per d kind of physical activity that increased their heart rate and made them breathe hard some or days before the survey)				
25.7	20.1 20.2 21.3	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.

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

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Trend Analysis Report

				E	lealth F	Risk Beł	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup><math>\dagger</math></sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
<b>)N79:</b> !	Percenta	age of s	tudents	who wat	tched te	levision	3 or mo	ore hour	s per da	y (on an	averag	e schoo	l day)	·			
											40.7	38.8	28.5	27.7	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
countin	ig time s	spent on	things s	who pla such as 2 social mo	Xbox, P	layStati	on, an il	Pad or o	ther tab	let, a sn	nartphoi	ne, texti	ng, Ŷou	Tube,	No linear change	Not available	No chang
countin nstagrat	g time s m, Face Percenta	spent on book, o	things s r other s	such as 2 social me who atte	Xbox, P edia, foi	layStation someth	on, an il ing that	Pad or o was no	ther tabl	let, a sm work, c	nartphoi on an av 36.1	ne, texti verage s 43.1	ng, Ŷou chool da 39.0	Tube, ny) 43.8	No linear change	Not available	No chang

Black\*

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

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

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**Frederick County** 

**Trend Analysis Report** 

Black* Physical	Activit	ty		1	Health I	Risk Bel	navior a	and Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QNDLY week wi					ho atten	ded phy	sical edu	ucation (	(PE) cla	sses on	all 5 da	ys (in a	n averag	je			
											30.6	26.1	22.3	23.4	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN83: times du							rom pla	ying a sj	port or l	being ph	ysically	v active	(one or	more			
													14.9	14.8	No linear change	Not available	No change

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Frederick County

Trend Analysis Report

Other			Health Risk Behavior and Percentages												Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN86: during tl						st (for a	check-1	ıp, exan	n, teeth	cleaning	g, or oth	er denta	ıl work,				
												71.3	78.3	75.9	No linear change	Not available <sup>¶</sup>	No change
QNNOE work)	ONT: Po	ercentag	e of stu	dents wl	ho neve	r saw a c	dentist (	for a ch	eck-up,	exam, to	eeth cle	aning, c	or other	dental			
work)												4.4	1.6	3.4	No linear change	Not available	No change
QN87: 1	Percenta	age of st	udents v	who had	ever be	en told	by a doo	ctor or n	urse tha	t they h	ad asth	ma	:				

**Black**\*

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Trend Analysis Report

				E	Iealth R	lisk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN90:	Percenta	age of s	tudents	who are	transge	nder							4.1	0.7	Decreased, 2016-2018	Not available¶	Decreased
	Percenta he surve		tudents v ng stude						g (on at	least 1	day dur	ing the	30 days 31.9	23.4	No linear change	Not available	No change
before t		ey, amoi	ng stude	nts who	drove a	car or o	ther veh	nicle)					-	23.4	No linear change	Not available	No change
before t	he surve	ey, amoi	ng stude	nts who	drove a	car or o	ther veh	nicle)					-	23.4	No linear change Decreased, 2013-2018	Not available Not available	No change No change
QN94: QN98:	he surve	age of s age of s	tudents	who smo	drove a oked a v	car or o	ther veh	nicle) pefore aş	ge 13 ye	ears (for	the firs 12.5	t time) 5.9	31.9 5.1	3.7			

**Black**\*

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Black\* Site-Added Health Risk Behavior and Percentages Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN99: Percentage of students who usually use a kind of flavoring other than tobacco flavor with an electronic vapor product (among students who have ever used an electronic vapor product) 96.6 96.0 98.2 No linear change Not available<sup>¶</sup> No change QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax 9.7 No linear change Not available No change 15.3 QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year 21.2 13.4 Decreased, 2016-2018 Not available Decreased 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) Decreased, 2013-2018 Not available Decreased 13.2 7.5 11.4 4.0

\*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.

Not enough years of data to calculate.

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Trend Analysis Report

				H	lealth F	Risk Bel	navior a	nd Per	centage	5					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN104: he surv	Percen ey)	tage of s	students	who tri	ed or us	ed toba	cco proc	lucts for	the firs	t time (	during t	he 12 m	onths b	efore			
												7.1	8.6	7.0	No linear change	Not available <sup>¶</sup>	No chang
QN106:	Percen	tage of s	students	who liv	ve with	someon	e who n	ow smol	kes ciga	rettes of	r cigars						
											37.2	33.9	29.9	26.9	Decreased, 2013-2018	Not available	No chang
	Percen anywhe									home i	s that sr	noking	is not				
													84.7	82.9	No linear change	Not available	No chang
	Percen he 7 day		students the sur		ere in th	e same	room w	ith some	eone wh	o was si	moking	(on at l	east one	day			
luring tl																	

Black\*

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

<sup>8</sup>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

Black* Site-Add	led																
				H	Iealth F	Risk Bel	navior a	and Per	centage	s					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	8		
QN110: school y		tage of	students	s who w	ere taug	ht in the	eir classe	es about	the dan	gers of	tobacco	o use (d	uring th	e last			
											75.7	65.2	64.8	58.1	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN117: friends	Percen	tage of	students	s who sa	y defini	tely yes	or prob	ably yes	s that yo	oung pe	ople wh	o smok	e have 1	nore	· · · · ·		
											52.0	45.4	42.5	46.6	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	s that sm	noking	makes y	oung p	eople lo	ok			
											31.4	21.7	26.5	24.7	No linear change	Not available	No change
QN119: parents i								eeking h	elp fron	n one o	r more a	adults b	esides t	heir	,,		
paronis			portun	- <b>4</b>		ing the	0				74.9	71.8	75.5	74.5	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.

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

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Hispanic	
Injury and	Violence

ingur y und vio			Н	ealth Ri	isk Beh	avior ar	d Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN9: Percent or more times						ho had l	been dri	nking al	cohol (i	in a car	or othe	vehicle	e, one			
										29.0	25.8	16.2	15.7	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN10: Percer times during the days before the	ne 30 day	s before						2		0						
										19.0	16.2	14.9	9.9	Decreased, 2013-2018	Not available	No change
QN11: Percer the 30 days be survey)																
										49.1	37.8	35.1	25.6	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

#### Hispanic Injury and Violence

igury and v	Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991 19	993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN13: Perc day during t						eapon o	n schoo	l proper	ty (such	as a gu	n, knife	, or clul	o, on at	least 1			
											8.2	8.7	10.5	6.9	No linear change	Not available <sup>§</sup>	No change
QN14: Perc or for a spor													for hu	nting			
													8.8	4.9	No linear change	Not available	Decreased
QN16: Perc knife, or clu										on scho	ol prope	erty (suc	ch as a g	un,			
											13.2	12.1	10.3	8.6	Decreased, 2013-2018	Not available	No change

Maryland High School Survey

**Frederick County** 

**Trend Analysis Report** 

Hispanic	
Injury and	Violence

				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN18:				who we	re in a p	hysical	fight on	school	property	(one o	r more	times d	uring the	e 12			
											16.5	16.2	16.1	12.4	Decreased, 2013-2018	Not available <sup>§</sup>	No change
someone with an	e they w object o	vere dat or weap	ing or go on] one	who exp ping out or more the 12 m	with [co times d	ounting uring the	such thi e 12 mor	ngs as b nths bef	eing hit	, slamm	ed into	someth	ing, or i	injured			
											14.3	14.0	15.3	11.9	No linear change	Not available	No change
QN23:	Percent	age of s	tudents	who we	re bullie	ed on sch	nool pro	perty (e	ver duri	ng the 1	2 mont	hs befo	re the su	irvey)	· · · · ·		
											23.4	26.5	22.0	21.7	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.

<sup>§</sup>Not enough years of data to calculate.

Maryland High School Survey

Frederick County

**Trend Analysis Report** 

Hispani	c	
Injury a	ınd	Violence

Health Risk Behavior and	Percentages					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 1993 1995 1997 1999 2001 2003 2005 2	007 2009 20	011 2013	2014	2016	2018			
QN24: Percentage of students who were electronically bullied (construction) Facebook, or other social media, ever during the 12 months before		illied throug	gh textii	ng, Insta	gram,			
		15.7	19.4	15.8	13.9	No linear change	Not available <sup>§</sup>	No change
stopped doing some usual activities, ever during the 12 months be	efore the survey)	30.6	31.3	35.7	35.1	No linear change	Net consile h	
W26: Percentage of students who seriously considered attempti	ng suicide (ever	during the	12 mon	the befo			Not available	No change
QN26: Percentage of students who seriously considered attemptionsurvey)	ng suicide (ever	during the 20.9	12 mon 19.4	ths before 20.9		No linear change	Not available	No change No change
		20.9	19.4	20.9	re the 18.2			

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**Trend Analysis Report** 

Hispanic Tobacco	Use																
	Health Risk Behavior and Percentages												Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN32: survey)	Percent	age of s	tudents	who cur	rently s	moked c	garette	s (on at	least 1 o	day duri	ing the	30 days	before	the			
											19.0	14.4	12.8	7.3	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QNFRC days bef				ents wh	o currer	ntly smo	ked ciga	rettes fi	requentl	y (on 20	) or mo	re days	during t	he 30			
											6.4	6.6	5.4	2.5	Decreased, 2013-2018	Not available	Decreased
QNDAY before th			ige of st	udents v	who curr	rently sn	noked ci	garettes	s daily (	on all 3	0 days o	luring t	he 30 da	iys			
											3.9	5.4	4.6	1.7	Decreased, 2013-2018	Not available	Decreased
QN34: vape pip eGo, and	es, vapi	ing pens															
	_,											43.3	39.3	45.6	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. <sup>§</sup>Not enough years of data to calculate.

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**Trend Analysis Report** 

Hispanic
<b>Tobacco Use</b>

				He	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
e-pipes,	vape pi	pes, vap	ing pens	s, e-hool	rently us kahs, an luring th	d hooka	h pens [	such as	blu, NJ								
												28.3	19.3	28.5	No linear change	Not available <sup>§</sup>	Increased
	VP: Pe he 30 da				o curren	tly used	electro	nic vapo	or produ	cts freq	uently (	on 20 c	or more	days			
												5.8	5.3	7.4	No linear change	Not available	No change
	(EVP: ays befo			udents v	who curr	ently us	ed elect	ronic va	apor pro	ducts da	aily (on	all 30 c	lays du	ring			
												4.5	5.0	4.9	No linear change	Not available	No change
	: Percer ng the 3				urrently y)	smoked	cigarett	es or us	sed elect	ronic va	apor pro	oducts	(on at le	east 1			
												33.1	24.5	30.2	No linear change	Not available	No change

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**Frederick County** 

**Trend Analysis Report** 

Hispanic
<b>Tobacco Use</b>

				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	8		
QN37: 1 dissolval vapor pr	ble toba	icco pro	ducts [s	uch as C	Copenha	gen, Gri	zzly, Sk	coal, or (	Camel S								
													8.5	6.0	No linear change	Not available <sup>§</sup>	No change
QN38: 1 during th					rently si	moked c	igars (c	igars, ci	garillos	or little	cigars,	, on at l	east 1 d	ay			
											17.9	15.5	11.8	7.8	Decreased, 2013-2018	Not available	No change
QNTB2: before th			student	ts who c	urrently	smoked	l cigaret	tes or ci	gars (or	at least	t 1 day o	during	the 30 d	ays			
											25.5	19.0	16.6	11.4	Decreased, 2013-2018	Not available	Decreased

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**Trend Analysis Report** 

Hispanic	
Alcohol and Other Drug Us	se

				Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN40: I	Percent	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	)			
											26.7	24.6	16.8	18.6	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN41: I the 30 da				who cur	rently d	rank alco	ohol (at	least on	e drink	of alcol	hol, on	at least	1 day d	uring			
											40.3	30.4	29.0	27.9	Decreased, 2013-2018	Not available	No change
QN42: I female st day durit	tudents	or five	or more	drinks o	of alcoh												
													16.0	14.8	No linear change	Not available	No change

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**Trend Analysis Report** 

Hispanic Alcohol a		er Drug	g Use	Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QN45:	Percenta	age of st	tudents	who eve	r used n	narijuan	a (one c	or more	times du	iring the	eir life)						
											41.3	39.5	33.2	33.5	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN46:	Percenta	age of st	tudents	who trie	d mariju	uana for	the first	t time be	efore ag	e 13 yea	ars						;
		-			-				-		14.2	11.9	9.7	8.9	Decreased, 2013-2018	Not available	No change
QN47: 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 t	efore th	e			
survey)											24.5	24.6	20.9	21.9	No linear change	Not available	No change
QN48:	Percenta	age of st	tudents	who eve	r used s	ynthetic	e marijua	ana (one	e or mor	e times	during	their life	e)				
												17.5	11.6	9.6	Decreased, 2014-2018	Not available	No change

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**Trend Analysis Report** 

Hispanic			
Alcohol and	Other	Drug	Use

			-	H	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN49: 1 different Hydroco	ly than	how a d	loctor to	ld them	to use it	t (counti	ing drug	s such a									
													16.7	16.5	No linear change	Not available <sup>§</sup>	No change
QN50: 1 one or m					r used c	ocaine (	any form	n of coc	aine, in	cluding	powder	r, crack,	or free	base,			
											14.1	10.3	8.2	6.3	Decreased, 2013-2018	Not available	No change
QN52: 1 times du			udents	who eve	r used h	eroin (a	lso calle	d "smac	ck," "jur	1k," or "	China V	White,"	one or i	more			
											10.6	9.0	7.5	5.0	Decreased, 2013-2018	Not available	No change
QN53: 1 "ice," or							hetamin	es (also	called	"speed,'	' "crysta	al meth,	" "cranl	ς,"	,,		
											9.6	8.4	8.8	5.2	Decreased, 2013-2018	Not available	Decreased

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**Trend Analysis Report** 

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

			H	ealth Ri	isk Beh	avior ar	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54: Percer	tage of s	tudents	who eve	er used e	cstasy (	also call	ed "MD	9MA," c	one or m	ore tim	es durir	g their	life)			
										16.4	10.8	10.4	6.6	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QN56: Percen body, one or n	0			0	ed any il	legal dr	ug (used	l a need	le to inj	ect any	illegal o	lrug into	o their			
										8.0	7.2	6.6	5.8	No linear change	Not available	No change
QN57: Percent months before			who we	re offere	ed, sold,	or giver	n an ille	gal drug	on sch	ool proj	perty (d	uring th	e 12			
										31.5	37.2	26.9	28.1	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

				H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	i		
QN58:	Percenta	ige of st	udents v	who eve	r had se	xual inte	ercourse	1			45.4	37.6	35.1	33.0	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN59:	Percenta	ige of st	udents v	who had	l sexual	intercou	rse for t	he first	time be	fore age	e 13 yea 11.2	ars 7.7	4.9	4.5	Decreased, 2013-2018	Not available	No change
QN60:	Percenta	ige of st	udents v	who had	l sexual	intercou	rse with	four or	more p	ersons	during t 17.5	their life 11.1	10.5	7.4	Decreased, 2013-2018	Not available	No change
	Percenta he 3 mo				re currer	ntly sexu	ally act	ive (had	l sexual	interco	urse wi 30.1	th at lea 26.8	st one pe	erson, 21.2	Decreased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

Hispanic Sexual Behaviors

				H	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN84: done if t		0		who wei	re ever t	ested fo	r human	i immun	odeficie	ency vir	us (HIV						
												11.2	15.8	11.0	No linear change	Not available <sup>§</sup>	No change

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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)<sup>§</sup> 16.7 16.9 16.6 15.9 No linear change Not available<sup>¶</sup> 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)§ 11.1 13.8 13.7 14.4 No linear change Not available No change QN67: Percentage of students who described themselves as slightly or very overweight 31.4 31.4 30.9 29.2 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) 21.7 24.3 27.928.1 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.

<sup>8</sup>Overweight 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. <sup>†</sup>Not enough years of data to calculate.

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**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN70:	Percenta	age of st	udents v	who did	not eat	fruit (or	ne or mo	ore times	s during	the 7 da	ays befo	ore the s	urvey)				
											13.7	17.0	13.3	9.7	Decreased, 2013-2018	Not available <sup>§</sup>	No change
	: Percer juice, d						or drink	100% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			
							or drink	100% fr	uit juice	es (such	as oran 5.9	ge juice 8.5	, apple j 7.7	uice, 4.7	No linear change	Not available	No change
or grape		uring th	students	s before	the surv	vey) or drank	100% f	ruit juic	es one o		5.9	8.5	7.7		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.

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				H	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
	: Percer juice, ap									or more	times p	er day (	such as				
											35.3	34.6	27.1	26.0	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN71:	Percent	age of st	udents v	who did	not est		1.1(										
				in no ara	not eat	green sa	uad (one	e or moi	re times	during	the 7 da	ays befo	re the s	urvey)			
					not eat	green sa	uad (one	e or moi	re times	during	the 7 da 30.2	ays befo 36.4	re the s	urvey) 46.6	Increased, 2013-2018	Not available	No change
QN72:	Percent	age of st									30.2	36.4	41.7	46.6	Increased, 2013-2018	Not available	No change
QN72:	Percent	age of st									30.2	36.4	41.7	46.6	Increased, 2013-2018 No linear change	Not available Not available	No change No change
	Percent	-	udents v	who did	not eat	potatoes	s (one of	r more t	imes du	ring the	30.2 7 days 35.9	36.4 before 31.8	41.7 the surv 37.3	46.6 ey) 37.2			

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**Trend Analysis Report** 

#### Hispanic Weight Management and Dietary Behaviors

	Не	alth Risk Be	havior an	d Perce	ntages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 1993 1995	1997 1999	2001 200	3 2005	2007	2009	2011	2013	2014	2016	2018			
QN74: Percentage of stu survey)	dents who did	not eat other	vegetables	(one or	more ti	mes du	ring the	e 7 days	before	the			
							17.8	18.3	18.4	17.2	No linear change	Not available <sup>§</sup>	No change
QNVEG0: Percentage of potatoes, or potato chips]								ng Fren	ch fries,	fried			
							6.7	8.6	7.6	9.1	No linear change	Not available	No change
QNVEG1: Percentage of French fries, fried potato													
							62.1	62.2	57.1	59.0	No linear change	Not available	No change

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**Trend Analysis Report** 

Hispanic
Weight Management and Dietary Behaviors

				Н	ealth Ri	sk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QNVEG French f																	
											31.1	30.7	27.9	23.8	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QNVEG [excludin survey)														e the	· · · · · · · · · · · · · · · · · · ·		
											19.2	19.0	15.8	11.8	Decreased, 2013-2018	Not available	No change
QN75: I Sprite, n											(such a	as Coke	, Pepsi,	or			
											30.3	25.0	27.0	32.1	No linear change	Not available	No change

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															2016-2018
1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
ercentage	e of stude	ents who	o drank	a can, b	ottle, or	glass o	f soda c	or pop o	ne or m	ore tim	es per d	ay			
									19.3	16.3	13.6	11.3	Decreased, 2013-2018	Not available <sup>§</sup>	No change
										Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before th	Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the surve	Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)		Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)	Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)

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**Trend Analysis Report** 

Hispanic
<b>Physical Activity</b>

	Health Risk Beh	avior and Per	Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>						
1991 1993 1995 1997 199	9 2001 2003	2005 2007	2009	2011	2013	2014	2016	5 2018	3		
QN78: Percentage of students who we kind of physical activity that increase days before the survey)											
				2	43.5	33.1	34.6	35.2	No linear change	Not available <sup>§</sup>	No change
QNPA0DAY: Percentage of student 1 day (in any kind of physical activit during the 7 days before the survey)											
				1	15.6	24.8	28.5	26.0	Increased, 2013-2018	Not available	No change
QNPA7DAY: Percentage of student kind of physical activity that increase days before the survey)											
				2	23.9	17.0	18.7	18.2	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.

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	Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
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 hours	s per da	y (on ar	n averag	ge schoo	ol day)				
											33.4	25.9	19.2	18.5	Decreased, 2013-2018	Not available <sup>§</sup>	No change
(countir	Percentang time s m, Face	spent on	things s	such as 2	Xbox, P	layStati	on, an iI	Pad or o	ther tabl	let, a sn	nartpho	ne, texti	ng, You	Tube,			
(countir	ng time s	spent on	things s	such as 2	Xbox, P	layStati	on, an iI	Pad or o	ther tabl	let, a sn	nartpho	ne, texti	ng, You	Tube,	No linear change	Not available	No change
(countin Instagra QN81:	ng time s	spent 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 t school	let, a sn work, o	nartpho on an av 35.6	ne, texti verage s 41.7	ng, You chool da 38.3	Tube, ay) 43.2	No linear change	Not available	No change

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**Trend Analysis Report** 

Hispanic
<b>Physical Activity</b>

	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNDLY week w		0			io attenc	led phys	sical edu	cation (	(PE) cla	sses on	all 5 da <u>:</u> 26.8	ys (in ar 17.0	averag 18.0	e 16.6	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN83: times du						ussion fi	com play	ying a sj	port or b	being ph	ysically	active	(one or 1 16.8	more 15.3	No linear change	Not available	No change

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Hispanic Other															Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018				
QN86: during th						st (for a	check-1	up, exan	n, teeth	cleaning	g, or oth	er dent	al work,					
												74.8	74.3	79.4	No linear change	Not available <sup>§</sup>	No change	
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	or other	dental			,	
												2.8	4.0	2.0	No linear change	Not available	No change	
QN87:	Percenta	age of st	tudents	who had	l ever be	en told	by a do	ctor or n	urse tha	at they h	ad asth	ma						
											23.3	27.1	26.5	26.1	No linear change	Not available	No change	

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**Trend Analysis Report** 

Hispanic Site-Add																	
				H	ealth R	isk Beh	avior aı	nd Perc	entages	•					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
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							4.8	2.4	No linear change	Not available <sup>§</sup>	Decreased
QN93: before t									ng (on at	t least 1	day dur	ing the	30 days 34.3	32.5	No linear change	Not available	No change
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) 12.7	9.7	7.5	Decreased, 2013-2018	Not available	No change
QN98: day duri						bacco in	a hooka	ah, narg	hile, or	other ty	pe of wa	aterpipe	(on at l	east 1 3.6	Decreased, 2016-2018	Not available	Decreased

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**Trend Analysis Report** 

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 QN99: Percentage of students who usually use a kind of flavoring other than tobacco flavor with an electronic vapor product (among students who have ever used an electronic vapor product) 92.0 95.8 93.4 No linear change Not available§ No change ON101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil. or THC wax Not available 13.3 19.9 Increased, 2016-2018 Increased QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year 21.3 16.7 No linear change Not available No change 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) 16.7 17.2 11.7 6.2 Decreased, 2013-2018 Not available Decreased

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**Trend Analysis Report** 

Hispanic	
Site-Added	

				He	ealth Ri	isk Beha	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN104: the surve		tage of	students	who tri	ied or us	ed toba	cco proc	lucts for	the firs	t time (	during t	he 12 m	onths be	efore			
												13.2	8.6	6.5	Decreased, 2014-2018	Not available <sup>§</sup>	No change
QN106:	Percen	tage of	students	who liv	ve with a	someone	e who no	ow smol	kes ciga	rettes or	r cigars						
											35.4	33.2	25.3	27.0	Decreased, 2013-2018	Not available	No change
QN107: allowed										home i	s that sr	noking	is not				
													84.9	87.7	No linear change	Not available	No change
QN108: during th					ere in th	e same 1	room wi	th some	one wh	o was si	moking	(on at le	east one	day			

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**Trend Analysis Report** 

Hispanic Site-Adde	d																
	Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QN110: school y		tage of	students	who w	ere taug	ht in the	eir classe	es about	the dan	igers of	tobacco	o use (d	uring th	e last			
											68.0	66.0	59.5	59.1	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN117: friends	Percen	tage of	students	who sa	y defini	tely yes	or prob	ably yes	s that yo	oung pe	ople wh	o smok	e have r	nore			
											44.5	42.0	38.5	46.3	No linear change	Not available	Increased
QN118: cool or f		tage of	students	who sa	y defini	tely yes	or prob	ably yes	s that sn	noking	makes y	oung p	eople lo	ok			
											27.8	21.4	22.1	27.6	No linear change	Not available	No change
QN119: parents i								eeking h	elp fror	n one o	r more a	adults b	esides tl	neir			
											77.8	73.7	72.6	71.0	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.

<sup>§</sup>Not enough years of data to calculate.