## **Maryland High School Survey Harford County Trend Analysis Report**

Total **Injury and Violence Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN9: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle, one or more times during the 30 days before the survey)

19.2 19.0 15.5 14.9 Decreased, 2013-2018

QN10: Percentage of students who drove a car or other vehicle when they had been drinking alcohol (one or more times during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey)

> Decreased, 2013-2018 Not available 10.2 8.4 7.2 Decreased

Not available§

No change

<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.

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

ijury an	u viole	iict		Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
						-mailed who had											
our (C)																	
											37.2	33.1	33.5	31.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN13: day duri						eapon o	on schoo	l proper	ty (such	as a gu					Decreased, 2013-2018	Not available <sup>§</sup>	No change
						eapon o	on schoo	l proper	ty (such	as a gu					Decreased, 2013-2018  No linear change	Not available <sup>§</sup> Not available	No change  Decreased
day duri QN14:	ng the 3 Percenta	days l	before the	he surve	ey) ried a gu	veapon o	counting	the day	s when	they ca	n, knife 4.2 rried a g	, or club	o, on at l	3.7			

<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.

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

				Н	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN16: knife, o										on scho	ol prope	erty (suc	h as a g	gun,			
											10.2	7.1	8.2	6.2	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QN18: months				vho wer	e in a p	hysical	fight on	school	property	(one or	more t	imes du	ring the	2 12			
											11.3	9.9	9.0	9.3	Decreased, 2013-2018	Not available	No change
QN22: someon with an went ou	e they w object o	ere dati r weapo	ng or go n] one o	ing out r more	with [co	ounting uring the	such thi e 12 mo	ngs as b	eing hit,	, slamm	ed into	someth	ng, or i	njured			

<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.

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

Total Injury an	nd Viole	ence		Н	ealth R	isk Beh	avior aı	nd Perc	entages	1					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	<del>-</del>		
QN23:	Percent	age of s	tudents	who we	re bullie	ed on scl	nool pro	perty (e	ver duri	ng the 1	12 mon	ths befo	re the su	ırvey)	,		
											22.5	21.8	22.2	19.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN24: Faceboo											d throu	gh textir	ıg, Insta	gram,			
											17.6	16.1	17.7	15.3	No linear change	Not available	Decreased
QN25: stopped											eks in a	row so	that the	у			
											26.6	26.8	30.4	30.6	Increased, 2013-2018	Not available	No change

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

Total **Injury and Violence** Linear Change\* **Health Risk Behavior and Percentages** Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey)

16.7 16.0 18.2 17.8 Increased, 2013-2018

QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)

> 12.3 12.4 14.4 14.0 Increased, 2013-2018 Not available No change

Not available§

No change

<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.

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

Γotal Γobacco	Use																
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN32: survey)	Percenta	age of st	tudents	who cur	rently s	moked c	igarette	s (on at	least 1 o	lay duri	ing the 3	30 days	before t	he			
											14.8	10.2	9.3	4.9	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QNFRC days bef		_	of stud	ents wh	o curren	ntly smo	ked ciga	rettes fi	requentl	y (on 20	or mo	re days	during t	he 30			
											5.5	3.6	2.3	1.0	Decreased, 2013-2018	Not available	Decreased
QNDAY before th			ge of st	udents v	who curi	rently sn	noked ci	garettes	s daily (	on all 30	0 days c	luring th	ne 30 da	ys	,		
											3.9	2.7	1.4	0.8	Decreased, 2013-2018	Not available	No change
QN34: vape pip eGo, and	es, vapi	ing pens															
												41.4	34.6	43.0	No linear change	Not available	Increased

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

Total **Tobacco Use** 

				Н	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN35: F e-pipes, v Plus, eGo	vape pip	es, vap	ing pens	s, e-hool	kahs, an	d hooka	h pens [	such as	blu, NJ								
												24.6	14.3	29.8	Increased, 2014-2018	Not available§	Increased
QNFREV during th					o currer	ntly used	l electro	nic vapo	or produ	cts freq	uently (	on 20 o	r more	days	,		
												3.5	3.0	9.1	Increased, 2014-2018	Not available	Increased
QNDAY the 30 da				udents v	vho curi	rently us	sed elect	ronic va	apor pro	ducts da	aily (on	all 30 d	ays dur	ring	,		,
												2.4	2.6	6.5	Increased, 2014-2018	Not available	Increased
QNTB5: day durir		_			-	smoked	cigarett	tes or us	sed elect	ronic va	apor pro	oducts (	on at le	ast 1	,		

27.6 18.6 30.6 Increased, 2014-2018

Not available

Increased

<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.

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

## Maryland High School Survey Harford County Trend Analysis Report

Total **Tobacco Use Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN36: Percentage of students who usually got their own electronic vapor products by buying them in a store (such as a convenience store, supermarket, discount store, gas station, or vape store, during the 30 days before the survey, among students who currently used electronic vapor products and who were aged <18 years) 11.3 Decreased, 2016-2018 Not available§ Decreased QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)

6.3

QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)

15.0 12.0 9.5 6.5 Decreased, 2013-2018 Not available Decreased

Not available

3.6 Decreased, 2016-2018

§Not enough years of data to calculate.

Decreased

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

 $<sup>^{\</sup>dagger}$ Based on t-test analysis, p < 0.05.

# Maryland High School Survey Harford County Trend Analysis Report

Total Tobacco Use

Tobacco	Use			Н	ealth Ri	isk Beha	avior an	nd 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	_		
QNTB2 before th		_	student	s who c	urrently	smoked	l cigaret	tes or ci	gars (on	at least	t 1 day c	luring tl	ne 30 da	ys			
											21.3	16.9	13.5	9.3	Decreased, 2013-2018	Not available§	Decreased

<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.

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

Total Alcohol a	nd Oth	er Druş	g Use	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	2018	3		
QN40:	Percenta	age of s	tudents	who had	l their fi	rst drink	of alco	hol befo	ore age	13 years	s (other	than a f	ew sips)	)			
											19.3	16.7	15.6	13.2	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN41: 1 the 30 da				who cur	rently d	rank alc	ohol (at	least or	ne drink	of alcol	hol, on	at least	day du	ıring			
											35.7	33.7	29.7	31.0	Decreased, 2013-2018	Not available	No change
QN42: I female s day duri	tudents	or five	or more	drinks o	of alcoho												
													15.6	16.7	No linear change	Not available	No change

<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.

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

Fotal Alcohol a	nd Oth	er Drug	g Use	Н	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	_		
QN45: 1	Percenta	age of s	tudents	who eve	er used r	narijuan	a (one c	or more	times du	iring the	eir life)						
											35.5	34.5	30.6	30.5	Decreased, 2013-2018	Not available§	No change
QN46: 1	Percent	age of s	tudents	who trie	d mariji	uana for	the first	t time be	efore ag	e 13 yea	ars						
											8.3	8.4	6.5	5.4	Decreased, 2013-2018	Not available	No change
QN47: 1 survey)	Percent	age of s	tudents	who cur	rently u	sed mar	ijuana (d	one or n	nore tim	es durir	ng the 3	0 days b	efore th	e			
•											19.6	21.2	18.6	18.3	No linear change	Not available	No change
QN48: 1	Percent	age of s	tudents	who eve	er used s	ynthetic	marijua	ana (one	or mor	e times	during	their life	e)				
												9.7	6.9	5.1	Decreased, 2014-2018	Not available	Decreased

<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.

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

	ina Our	er Drug	, esc	He	ealth Ri	isk Beha	avior an	nd Perco	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>_</del>		
differen	Percenta tly than odone, a	how a d	loctor to	old them	to use i	it (count	ng drug	s such a									
													13.8	12.4	No linear change	Not available§	No change
	Percenta nore tim				r used c	cocaine (	any forr	n of coc	aine, in	cluding	powder	r, crack,	or free	base,			
											6.3	5.4	5.2	4.1	Decreased, 2013-2018	Not available	No change
	Percenta uring the		udents	who eve	r used h	neroin (a	lso calle	ed "smad	ck," "jur	ık," or '	"China V	White,"	one or i	more	,		
											4.8	4.1	4.3	2.3	Decreased, 2013-2018	Not available	Decreased
	Percentar "meth,"						hetamin	nes (also	called	"speed,	" "crysta	al meth,	" "cranl	ς,"			

<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.

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

Total Alcohol a	nd Oth	er Druş	g Use	н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QN54: 1	Percenta	age of s	tudents	who eve	er used e	ecstasy (	also call	ed "MD	)MA," c	one or m	nore tim	es durin	g their	life)			
											8.3	6.2	6.1	3.6	Decreased, 2013-2018	Not available§	Decreased
QN56: 1 body, on						ed any il	llegal dr	ug (used	l a need	le to inj	ect any	illegal o	drug into	o their			
body, on	ie or me	ne ume	s during	then in	ie)						3.5	3.2	3.9	2.5	No linear change	Not available	Decreased
QN57: 1	Percent	age of s	tudents	who we	re offere	ed sold	or give	n an ille	oal drug	on sch	ool pro	nerty (di	uring th	e 12			
months l		_		who we	ie offere	ou, soiu,	or give	i un me	gar arag	, on sen	oor proj	ocity (di	uring tir	0 12			
											26.0	23.1	19.5	18.0	Decreased, 2013-2018	Not available	No change

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

Total

Sexual B	ehaviors	5															
				Н	ealth R	isk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN58:	Percenta	ige of si	tudents	who eve	r had se	exual int	ercourse	;			39.6	33.9	32.6	33.3	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN59:	Percenta	nge of st	tudents	who had	sexual	intercou	irse for t	he first	time be	fore age	e 13 yea 6.1	rs 4.3	3.5	3.2	Decreased, 2013-2018	Not available	No change
QN60:	Percenta	ige of st	tudents	who had	sexual	intercou	ırse with	four o	more p	ersons	during t	heir life					
											13.2	9.2	7.3	8.0	Decreased, 2013-2018	Not available	No change
QN61: during t					re currei	ntly sexu	ually act	ive (had	l sexual	interco	urse wit	h at leas	st one pe	erson,			
											29.1	24.7	24.3	24.4	Decreased, 2013-2018	Not available	No change

<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.

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

Fotal Sexual Bo	ehavior	s															
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN62: who we					nk alcol	hol or us	sed drug	s before	last sex	cual inte	ercourse	e (amon	g studer	its			
											26.4	29.5	22.0	20.5	Decreased, 2013-2018	Not available§	No change
QN63:				who use	ed a conc	dom dur	ring last	sexual i	intercou	rse (am	ong stu	dents w	no were				,
											61.2	58.7	53.7	54.3	Decreased, 2013-2018	Not available	No change
QN64: among s							oills bef	ore last	sexual i	ntercou	rse (to p	orevent j	pregnan	cy,			
											21.2	24.7	28.8	30.3	Increased, 2013-2018	Not available	No change
QNIUD or Nexp active)																	-,
,											0.7	2.1	1.9	5.0	Increased, 2013-2018	Not available	Increased

<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.

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

otal exual Be	ehaviors	s		Н	ealth R	isk Beha	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	5 2018	3		
QNSHP.	ing (suc	ch as Nu	vaRing														
Ž		•									4.8	2.2	3.2	1.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QNOTH implant control r currently	(such as ing (suc	s Implan ch as Nu	on or N vaRing	expland	n); or a	shot (su	ch as D	epo-Pro	vera), p	atch (su	ch as C	OrthoEv	ra), or b				
											26.7	29.0	33.9	37.2	Increased, 2013-2018	Not available	No change
QNDUA pills; an Depo-Pr (to preve	IUD (su overa),	ich as M patch (s	Iirena o uch as (	r ParaG OrthoEv	ard) or i ra), or b	mplant oirth con	(such as trol ring	Implan (such a	on or No s Nuval	explano	n); or a	a shot (s	uch as				
											8.7	11.3	12.5	13.4	Increased, 2013-2018	Not available	No change

<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.

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

# Maryland High School Survey Harford County Trend Analysis Report

				Не	alth Ri	sk Beha	avior an	d 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			
ONBCN			ge of stu						prevent p	oregnan	cy duri	ng last s	exual				
ntercou	rse (amo	ong stud	ents who	o were c	urrently	y sexuai	iy active	=)									

11.5 13.1 10.5

No linear change

Not available

Decreased

<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.

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

				Н	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	•		
						erweigh data fro						ile for t	ody ma	ıss			
											13.7	14.5	15.2	14.8	No linear change	Not available <sup>¶</sup>	No change
						besity (>			le for bo	ody mas	s index	, based	on sex-	and	·		,
											10.7	10.0	11.8	11.5	No linear change	Not available	No change
QN67:	Percenta	age of st	udents v	vho des	cribed th	hemselv	es as sli	ghtly or	very ov	erweigh	nt						
QN67:	Percenta	age of st	udents v	who des	cribed tl	hemselv	es as sli	ghtly or	very ov	_	nt 27.4	27.3	27.5	28.1	No linear change	Not available	No change
QN69:		age of st				hemselv					27.4				No linear change	Not available	No change

<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.

<sup>&</sup>lt;sup>§</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.

Total Weight M	Ianager	nent an	ıd Dieta	=	aviors ealth Ri	isk Beha	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	_		
QN70:	Percenta	age of st	tudents	who did	not eat	fruit (or	ne or mo	ore times	during	the 7 da	ays befo	ore the s	urvey)				
											14.2	14.5	16.5	15.8	Increased, 2013-2018	Not available§	No change
QNFR0		_					r drink	100% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			,
or grape	juice, d	iuring in	ie / day	s before	the surv	vey)					5.8	6.6	8.3	7.2	Increased, 2013-2018	Not available	No change
QNFR1 orange j										or more	times po	er day (s	such as				_
											61.2	57.0	56.9	54.9	Decreased, 2013-2018	Not available	No change

<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.

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

				Н	ealth Ri	sk Beh	avior an	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
		ntage of								or more	times p	er day (	such as				
											31.8	27.4	25.2	23.5	Decreased, 2013-2018	Not available§	No change
QN71:	Percent	age of st	udents	who did	not eat	green sa	ılad (one	e or mor	e times	during	the 7 da	ys befo	re the su	ırvey)			
											32.9	39.5	42.6	45.9	Increased, 2013-2018	Not available	Increased
					not act	notatoo	(one or	more t	imes du	ring the	7 days	hefore t	he surv	ev)			
QN72:	Percent	age of st	udents	wno aid	not eat	potatoes	s (one or	more	iiiios aa	8	' days	octore t	ne sur v	- 5 /			
QN72:	Percent	age of st	udents	wno aid	not eat	potatoes	s (one or	more ti	ines du		31.5	34.0	36.7	34.1	Increased, 2013-2018	Not available	No change
		age of st			·		· · · · · · · · · · · · · · · · · · ·				31.5	34.0	36.7	34.1	Increased, 2013-2018	Not available	No change

<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.

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

				Н	ealth Ri	sk Beh	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN74: survey)	Percenta	age of st	udents	who did	not eat	other ve	getables	s (one or	more t	imes du	ring the	7 days	before t	he			
											15.3	15.1	18.1	16.5	No linear change	Not available§	No change
	G0: Perc											ng Frenc	h fries,	fried			,
											5.6	6.1	7.4	6.6	No linear change	Not available	No change
	G1: Perc																

<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.

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

				Н	ealth Ri	sk Beh	avior ar	nd Perc	entages						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			
QNVEO																	
											29.4	27.3	25.5	21.9	Decreased, 2013-2018	Not available§	Decreased
QNVE( [excludi survey)														the			
[excludi												ne 7 day		e the 9.8	Decreased, 2013-2018	Not available	No change
[excludi	ng Fren	age of si	fried po	who did	not drin	o chips]	, carrots	or glass	of soda	ables, d	luring t	ne 7 day	s before	9.8	Decreased, 2013-2018	Not available	No change

<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.

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

				Н	ealth R	isk Beh	avior ai	nd Perc	entages	3					Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
			-					-				_	_				
QNSOD.						,	,	_						ay			
QNSOD. (such as						,	,	_				ne surve	y)	ay 13.1	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
•						,	,	_			efore th	ne surve	y)	•	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
•	Coke, F	Pepsi, or	Sprite,	not cou	nting di	et soda	or diet p	oop, duri	of soda of	7 days b	19.3 wo or m	17.6	y) 15.9 es per d	13.1	Decreased, 2013-2018	Not available <sup>§</sup>	Decrease

<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.

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

Total Physical	Activity	7			141. D	'-l- D.L	•	. 1 D	4						Linear Charas*	One doubte Change*	Character from
				Н	ealth R	isk Beh	avior ai	1d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN78: kind of j	physical	activity	that in														
											42.4	38.2	34.5	37.3	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QNPA0 1 day (in during t	n any ki	nd of ph	ysical a	ctivity t											,		
											14.2	16.5	20.3	17.5	Increased, 2013-2018	Not available	Decreased
QNPA7 kind of days bet	physical	activity	that in														
											23.2	19.7	16.9	18.2	Decreased, 2013-2018	Not available	No change

<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.

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

Fotal Physical	Activity	r		H	ealth Ri	sk Beh	avior ar	ıd 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	<u> </u>		
QN79:	Percent	age of st	tudents	who wat	ched tel	evision	3 or mo	re hour	s per da	y (on an	averag	e schoo	l day)	:			
											29.5	26.7	22.7	17.5	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
(counting	Percentang time sam, Face	spent on	things s	such as 2	Xbox, Pl	layStatio	on, an iF	ad or o	ther tab	let, a sm	artphor	e, texti	ıg, Ŷou	Tube,			
mstugi											37.3	39.1	37.7	47.0	Increased, 2013-2018	Not available	Increased

<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.

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

## Maryland High School Survey Harford County Trend Analysis Report

Total **Physical Activity Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) Decreased, 2013-2018 Not available§ 4.3 2.3 2.7 2.3 No change QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

18.2

14.1 Decreased, 2016-2018

Not available

Decreased

<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.

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

Total Other																	
				Н	ealth Ri	isk Beh	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		
QN86: I						ist (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er dent	al work	,			
daring a	12		orore inc	, sai vey	,							79.9	80.8	81.7	No linear change	Not available <sup>§</sup>	No change
QNNOE	ONT: Po	ercentag	ge of stu	dents w	ho neve	r saw a	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning, o	or other	dental			
work)												1.8	1.6	0.8	Decreased, 2014-2018	Not available	Decreased
QN87: 1	Percenta	age of s	tudents v	who hac	l ever be	een told	by a doo	ctor or n	urse tha	at they h	ad asthi	ma					
											26.3	26.0	26.7	23.6	Decreased, 2013-2018	Not available	Decreased

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

Total

				Н	ealth R	isk Beh	avior aı	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN90: I	Percenta	age of s	tudents	who are	transge	ender							3.1	1.3	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
QN93: 1 before th									g (on at	least 1	day dur	ing the	30 days 32.0	33.6	No linear change	Not available	No change
QN94: I	Percenta	age of s	tudents	who sm	oked a v	whole ci	garette l	efore a	ge 13 ye	ears (for	the firs	t time) 7.1	6.3	3.2	Decreased, 2013-2018	Not available	Decreased
QN97: I										because	e of thei	ir age (a	mong 29.3	21.9	No linear change	Not available	No change

<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.

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

## **Maryland High School Survey Harford County 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	<u> </u>		
	Percenta					acco in	a hooka	ah, narg	hile, or	other ty	pe of wa	terpipe	(on at l	east 1	:		
	Percentang the 3					oacco in	a hooka	ah, narg	hile, or	other ty	pe of wa	terpipe	(on at 1	east 1 3.4	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
						pacco in	a hooka	ah, narg	hile, or	other ty	pe of wa	terpipe			Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
day duri		odays	udents v	e surve	y) ally use	a kind	of flavo	ring oth	er than	tobacco	,		5.8	3.4	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased

9.7

QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year

QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash

17.9 14.0 Decreased, 2016-2018 Not available Decreased

16.3 Increased, 2016-2018

Not available

oil, or THC wax

Total

Increased

<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.

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

otal ite-Adde	ed																
	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>_</del>		
QN103: flavored survey)														rs,			
<i>5</i> <b></b> ( <i>6</i> )											15.7	14.0	7.7	6.2	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN104:		tage of	students	s who tr	ied or us	sed toba	cco proc	lucts for	the firs	st time (	during t	he 12 m	onths b	efore			
	•											14.4	7.8	9.6	Decreased, 2014-2018	Not available	No change
QN105: survey, a												2 month	s before	the			
											39.3	36.4	35.7	7.4	Decreased, 2013-2018	Not available	Decreased
QN106:	Percen	tage of	students	s who li	ve with	someone	e who no	ow smo	kes ciga	rettes or	r cigars						
											37.5	37.6	32.1	29.4	Decreased, 2013-2018	Not available	No change

<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.

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

otal ite-Add	ed																
	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN107: allowed											is that s	moking	is not				
													83.7	82.7	No linear change	Not available <sup>§</sup>	No change
QN108: during the					ere in th	ne same	room w	ith some	eone wh	o was s	moking	(on at 1	east one	e day			
													26.9	27.5	No linear change	Not available	No change
QN110: school y		ntage of	students	s who w	ere taug	tht in the	eir classe	es about	the dan	gers of	tobacco	use (di	aring th	e last			,
											71.4	66.5	63.6	63.1	Decreased, 2013-2018	Not available	No change
QN117: friends	Percer	ntage of	students	s who sa	y defini	itely yes	or prob	ably yes	s that yo	oung peo	ople wh	o smok	e have n	nore			
											35.1	31.7	33.5	37.4	Increased, 2013-2018	Not available	Increased

<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.

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

## Maryland High School Survey Harford County Trend Analysis Report

Total Site-Adde	d																
				Н	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			
QN118: cool or fi		tage of	students	who sa	y defini	tely yes	or prob	ably yes	s that sr	noking	makes y	oung pe	ople loo	k			

20.1 17.4 19.5 23.0 Increased, 2013-2018

QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

78.5 79.7 79.7 79.8 No linear change Not available No change

Not available§

Increased

<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.

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

Male Injury an	d Viole	nce		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	<del>-</del>		
QN9: P or more	_	-					ho had l	oeen dri	nking al	cohol (i	in a car 19.0	or other	vehicle	e, one	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN10: times du days bef	ring the	30 day													Decreased, 2013-2018	Not available	No change
QN11: the 30 d survey)															Decreased, 2013-2018	Not available	No change

<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.

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

Male Injury an	d Viole	ence		Н	ealth R	isk Beh	avior aı	nd Perc	entages	<b>3</b>					Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN13: I						eapon o	n schoo	l proper	ty (such	ı as a gu	ın, knife	e, or clul	o, on at	least 1			
day dun	ng the s	o days	before t	ne sui ve	·y)						5.8	5.8	9.0	5.0	No linear change	Not available <sup>§</sup>	Decreased
QN14: I													for hu	nting			
													7.0	5.9	No linear change	Not available	No change
QN16: 1 knife, or										on scho	ol prop	erty (suc	ch as a g	gun,			,
											11.3	8.5	9.9	6.5	Decreased, 2013-2018	Not available	Decreased

<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.

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

	and Violence  Health Risk Behavior and Percentages														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	_		
	Percenta before the			who wei	e in a p	hysical	fight on	school	property	(one o	r more	times du	ring the	: 12			
											14.5	13.3	9.9	12.5	Decreased, 2013-2018	Not available§	No change
someon with an	Percenta e they w object o t with so	ere dati r weapo	ng or go on] one o	oing out or more	with [co	ounting a	such thi e 12 mo	ngs as b nths bef	eing hit	, slamm	ned into	someth	ing, or i	njured			
someon with an	e they w object o	ere dati r weapo	ng or go on] one o	oing out or more	with [co	ounting a	such thi e 12 mo	ngs as b nths bef	eing hit	, slamm	ned into	someth	ing, or i	njured	No linear change	Not available	No change
someon with an went ou	e they w object o	vere dati or weapo omeone	ng or go on] one o during t	oing out or more the 12 m	with [co times du nonths be	ounting uring the	such thi e 12 mo e survey	ngs as b nths bef	eing hit ore the	survey,	ned into among 9.1	someth students 6.8	ing, or ing who da	njured ated or 7.8	No linear change	Not available	No change

<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.

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

Aale njury an	d Viole	nce															
	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN24: 1 Faceboo											d throug	gh textir	ıg, Insta	gram,			
											12.5	10.8	13.8	11.8	No linear change	Not available <sup>§</sup>	No change
QN25: I											eks in a	row so	that the	у			,
											18.4	17.0	21.5	21.9	Increased, 2013-2018	Not available	No change
QN26: 1	Percenta	age of st	tudents	who seri	iously c	onsidere	ed attem	pting su	icide (e	ver duri	ing the	12 mont	hs before	re the	·		;
											13.1	10.5	13.6	12.3	No linear change	Not available	No change
QN27: 1			tudents	who ma	de a pla	n about	how the	y would	l attemp	t suicid	e (durin	ig the 12	2 month	S			
											9.5	8.5	11.5	10.4	No linear change	Not available	No change

<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.

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

Iale obacco	Use																
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN32: survey)	Percent	age of s	tudents	who cur	rently s	moked c	igarette	s (on at	least 1 d	lay duri	ing the 3	30 days	before t	he			
											15.7	10.2	9.8	5.5	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
	IG: Perfore the			ents wh	o curren	ntly smo	ked ciga	rettes fr	equently	y (on 20	or moi	re days	during t	he 30			
days bei	ore the	sui vey)									6.3	4.0	2.1	1.0	Decreased, 2013-2018	Not available	Decreased
	CIG: I		ige of st	udents v	vho curi	rently sn	noked ci	garettes	daily (d	on all 30	0 days d	luring th	ne 30 da	ys			
											4.7	3.2	1.1	1.0	Decreased, 2013-2018	Not available	No change
QN34: vape pip eGo, and	es, vapi	ing pens															,
												40.8	33.9	39.0	No linear change	Not available	Increased

<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.

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

### **Maryland High School Survey Harford County Trend Analysis Report**

Male **Tobacco Use Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 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) 24.9 14.7 27.2 No linear change Not available§ Increased QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 4.4 3.8 9.6 Increased, 2014-2018 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) 3.3 3.2 6.9 Increased, 2014-2018 Not available Increased QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 28.2 19.2 28.2 No linear change Not available Increased

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

Male Fobacco	Use			Н	ealth Ri	isk Beha	avior ar	nd 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	201	8		
QN36: (such as survey,	a conve	enience	store, su	ıpermarl	ket, disc	ount sto	re, gas	station, d	or vape	store, d	uring th	e 30 da					
													10.5	7.0	No linear change	Not available§	No change
QN37: dissolva vapor pr	ble toba	icco pro	ducts [si	uch as C	Copenha	gen, Gri	izzly, Sk	coal, or (						nic			
													8.6	5.3	Decreased, 2016-2018	Not available	Decreased
QN38: during t					rently si	moked c	eigars (c	igars, ci	garillos	, or little	e cigars,	on at le	east 1 da	ıy			:
											18.9	14.3	11.2	9.0	Decreased, 2013-2018	Not available	No change

<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.

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

### **Maryland High School Survey Harford County Trend Analysis Report**

Male **Tobacco Use** 

**Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) 24.3 18.5 14.6 11.5 Decreased, 2013-2018 Not available§ No change

<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.

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

Male Alcohol a	nd Oth	er Druş	g Use	Н	ealth R	isk Beh	avior ar	nd 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	3		
QN40:	Percenta	age of s	tudents	who had	l their fi	rst drink	of alco	hol befo	ore age	13 years	(other	than a f	ew sips	)			
											21.1	18.0	15.7	14.5	Decreased, 2013-2018	Not available§	No change
QN41: the 30 d		_		who cur	rently d	rank alc	ohol (at	least on	e drink	of alcol	hol, on	at least	l day dı	ıring			
	,										34.1	29.3	25.9	28.1	Decreased, 2013-2018	Not available	No change
QN42: female s day duri	tudents	or five	or more	drinks o	of alcoh												
													13.6	16.4	Increased, 2016-2018	Not available	No change

<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.

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

Male Alcohol a	nd Oth	er Drug	g Use	н	ealth R	isk Beh	avior aı	ıd 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		
QN45:	Percenta	age of st	tudents	who eve	er used r	narijuan	a (one o	or more	times du	iring the	eir life)						
											36.5	35.1	28.0	27.2	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN46:	Percent	age of si	tudents	who trie	d mariji	uana for	the first	time h	efore ag	e 13 ve	arc						
Q1140.	rereenu	age of si	tudents	who the	a mary	uana 101	uic iiis	time of	cioic ag	c 13 ye	10.9	11.0	7.8	6.1	Decreased, 2013-2018	Not available	No change
QN47: survey)	Percenta	age of st	tudents	who cur	rently u	sed mar	ijuana (	one or n	nore tim	es durir	ng the 3	0 days b	efore th	e			
,											20.7	22.1	17.6	17.3	Decreased, 2013-2018	Not available	No change
QN48:	Percenta	age of st	tudents	who eve	er used s	ynthetic	mariju	ana (one	e or mor	e times	during	their life	e)				
												11.5	6.4	5.3	Decreased, 2014-2018	Not available	No change

<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.

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

icohol a	and Oth	er Drug	g Use	Н	ealth R	isk Beh	avior an	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	_		
differen	Percenta tly than odone, a	how a d	octor to	ld them	to use i	t (count	ing drug	s such a									
													11.8	11.3	No linear change	Not available§	No change
-	Percenta nore tim	_			er used o	cocaine (	any fori	m of coo	caine, in	cluding	powde	r, crack,	or free	base,			
											7.8	7.1	5.9	5.3	Decreased, 2013-2018	Not available	No change
	Percenta uring the		udents	who eve	er used h	neroin (a	lso calle	ed "sma	ck," "jui	ık," or '	'China \	White,"	one or 1	nore			
											6.5	5.3	4.7	3.1	Decreased, 2013-2018	Not available	No change
	Percentar "meth,"						hetamir	nes (also	called	"speed,	" "crysta	al meth,	" "crank	ς,"			
,																	

<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.

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

Male Alcohol a	nd Oth	er Dru	g Use	н	ealth Ri	isk Beha	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		
QN54: I	Percenta	age of s	tudents	who eve	r used e	cstasy (	also call	ed "ME	OMA," c	one or m	nore tim	es durir	ng their	life)			
											10.1	8.0	7.2	4.4	Decreased, 2013-2018	Not available§	Decreased
QN56: I						ed any il	legal dr	ug (used	d a need	le to inj	ect any	illegal	drug into	o their			
body, on	e or mo	ne time	s during	, then in							4.8	4.4	3.8	3.1	Decreased, 2013-2018	Not available	No change
QN57: I		_		who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool proj	perty (d	uring th	e 12	-		,
			,								30.0	26.4	20.5	19.5	Decreased, 2013-2018	Not available	No change

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

Male

Sexual B	ehavior	s		Н	ealth R	isk Beh	avior ar	nd Perc	entages	<b>;</b>					Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		2020 2020
QN58:	Percent	age of s	tudents	who eve	er had se	exual int	ercourse	<b>,</b>			41.3	35.6	33.3	32.6	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN59:	Percent	age of s	tudents	who had	l sexual	intercou	arse for	the first	time be	efore age	e 13 yea 8.5	ers 6.9	4.5	4.5	Decreased, 2013-2018	Not available	No change
QN60:	Percent	age of s	tudents	who had	l sexual	intercou	ırse with	four o	r more p	persons	during t	heir life	7.6	8.7	Decreased, 2013-2018	Not available	No change
QN61: during t					re curre	ntly sexi	ually act	ive (had	d sexual	interco	urse wit	th at lea	st one po	erson, 22.5	Decreased, 2013-2018	Not available	No change

<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.

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

Iale exual Bo	ehavior	s															
				Н	ealth R	isk Beh	avior aı	nd Perc	entages	\$					Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>-</del>		
QN62: who we					ınk alco	hol or us	sed drug	s before	e last sex	xual inte	ercourse	e (amon	g studen	its			
											32.3	33.1	23.5	21.1	Decreased, 2013-2018	Not available§	No change
QN63:				who use	ed a con	dom dur	ring last	sexual i	intercou	rse (am	ong stud	dents w	no were				
	,	-,	-,								67.3	63.3	59.1	59.4	Decreased, 2013-2018	Not available	No change
QN64: among s						control p	pills bef	ore last	sexual i	ntercou	rse (to p	prevent	pregnan	cy,			
											18.0	20.4	24.8	23.8	Increased, 2013-2018	Not available	No change
QNIUD or Nexp active)																	
ŕ											0.7	1.4	1.7	3.7	Increased, 2013-2018	Not available	No change

<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.

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

	ehaviors			Н	ealth Ri	isk Beha	avior ar	ıd 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	<u> </u>		
	ring (suc	ch as Nu	vaRing)						Provera) ent preg								
											2.0	1.3	2.4	1.6	No linear change	Not available§	No change
implant	(such as ring (suc	s Implan ch as Nu	on or NovaRing)	explano	on); or a	shot (su	ich as D	epo-Pro	IUD (suc vera), pa ent preg	atch (su nancy, a	ch as C	rthoEv	a), or b		Increased, 2013-2018	Not available	No change
currently																	
QNDUA pills; an Depo-Pi	IUD (sı	uch as N patch (s	firena or uch as (	r ParaGa OrthoEv	ard) or i ra), or b	mplant ( oirth con	(such as trol ring	Impland (such a	g last sex on or Ne as NuvaF tive)	explano	n); or a	shot (s	uch as				

<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.

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

## Maryland High School Survey Harford County Trend Analysis Report

Male **Sexual Behaviors** Linear Change\* **Health Risk Behavior and Percentages** Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) Not available§ 9.3 12.1 14.2 12.4 No linear change No change QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) 12.3 13.5 Decreased, 2014-2018 Not available Decreased

<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.

				Не	ealth Ri	sk Beha	ovior an	d Perce	entages						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	-		
		entage o sex- and										tile for l	oody ma	ss			
											14.6	15.5	13.6	14.2	No linear change	Not available¶	No change
		rcentage erence d							le for bo	ody mas	s index	, based	on sex-	and			
											15.2	14.0	14.2	15.1	No linear change	Not available	No change
																	Č
QN67:	Percenta	age of st	udents v	vho desc	cribed th	nemselv	es as sli	ghtly or	very ov	verweigh	nt						
QN67:	Percenta	age of st	udents v	vho deso	cribed tl	nemselv	es as sli	ghtly or	very ov	_	nt 22.9	23.7	22.9	25.9	No linear change	Not available	No change
QN69:		age of st	,								22.9				No linear change	Not available	No chang

<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.

<sup>&</sup>lt;sup>§</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.

				Н	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN70:	Percenta	age of st	udents v	vho did	not eat	fruit (on	e or mo	re times	during	the 7 da	ays befo	re the si	urvey)				
											17.7	16.7	18.0	18.2	No linear change	Not available <sup>§</sup>	No change
QNFR0			students				r drink 1	00% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			
or grape	Juice, u																
or grape	Juice, u		j		541	- 3 /					7.7	7.7	8.4	7.7	No linear change	Not available	No change
QNFR1	: Percer	ntage of	students	s who at	e fruit o	r drank				or more				7.7	No linear change	Not available	No change

<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.

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

				Н	ealth R	isk Beh	avior ar	nd Perc	entages						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	<u> </u>		
	: Percei									or more	times p	er day (	such as				
											31.7	29.6	26.4	24.4	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN71:	Percenta	age of st	udents	who did	not eat	green sa	ılad (one	e or moi	re times	during	the 7 da	ıys befo	re the si	ırvey)			
											38.0	45.8	47.6	49.0	Increased, 2013-2018	Not available	No change
QN72:	Percenta	age of st	udents	who did	not eat	potatoes	s (one or	r more t	imes du	ring the	7 days	before t	he surv	ey)			
											29.9	33.5	34.9	34.5	Increased, 2013-2018	Not available	No change
					-					-		•	•				•
QN73:	Percenta	age of st	udents	who did	not eat	carrots	(one or 1	more tin	nes duri	ng the 7	days b	efore th	e survey	7)			

<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.

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

				Н	ealth Ri	sk Beh	avior ar	nd Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN74: survey)	Percenta	age of st	udents	who did	not eat	other ve	getable	s (one or	r more t	imes du	ring the	7 days	before t	he			
•											18.6	18.1	21.0	18.5	No linear change	Not available <sup>§</sup>	No change
	G0: Peros, or pota											ng Frenc	ch fries,	fried			
											7.7	8.2	8.9	8.3	No linear change	Not available	No change
	C1. Dom	centage	of stude				one or n										
	fries, fri		oes, or p	otato cl	nips], ca	rrots, or	other v	egetable	es, durin	ig the 7	days be	fore the	sui vey)				

<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.

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

				Н	ealth R	isk Beh	avior a	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>-</del>		
QNVEO																	
											28.1	27.3	26.8	22.6	Decreased, 2013-2018	Not available§	Decreased
QNVEO														the			
														the 10.1	Decreased, 2013-2018	Not available	No change
[excludi	ng Fren	age of st	fried po	otatoes, who did	or potat	o chips]	, carrot	or glass	er veget	ables, d	luring the	13.5	s before 12.1	10.1	Decreased, 2013-2018	Not available	No change

<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.

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

				Не	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991 1	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>-</del>		
QNSODA (such as C														ny			
											22.7	20.8	18.6	15.9	Decreased, 2013-2018	Not available§	No change

<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.

Male Physical	Activity	7		Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from
									8						Đ		2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN78: kind of j	physical	activity	that in														
•		•									48.6	45.6	41.8	43.6	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QNPA0 1 day (in during t	n any ki	nd of ph	ysical a	activity t													
											13.0	13.5	15.5	12.6	No linear change	Not available	No change
QNPA7 kind of j	physical	activity	that in														
											28.9	25.1	23.1	22.5	Decreased, 2013-2018	Not available	No change

<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.

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

Male Physical	Activity	7		Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*  Not available  Not available	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN79:	Percenta	age of st	tudents	who wat	tched te	levision	3 or mo	ore hour	s per da	y (on ar	averag	e schoo	l day)	·			
											30.7	27.0	21.3	17.0	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
	Percentage time sum, Face	spent on	things s	such as 2	Xbox, P	layStati	on, an il	Pad or o	ther tab	let, a sn	nartphoi	ne, texti	ng, You	Tube,	Increased, 2013-2018	Not available	Increased
QN81: week w					ended pl	hysical e	educatio	n (PE) c	classes o	n 1 or r	nore da	ys (in ar 56.0	averag	ge 54.4	No linear change	Not available	No change

<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.

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

### **Maryland High School Survey Harford County Trend Analysis Report**

Male **Physical Activity** Linear Change\* **Health Risk Behavior and Percentages** Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) Decreased, 2013-2018 Not available§ 5.7 3.4 3.3 3.2 No change

QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

> 19.2 15.1 Decreased, 2016-2018 Not available Decreased

<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.

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

Male Other																	
				Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN86: during the						ist (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er denta	al work	,			
					,							78.8	80.7	80.7	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, o	or other	dental			
work)												2.7	2.2	0.9	Decreased, 2014-2018	Not available	Decreased
QN87:	Percenta	age of s	tudents	who hac	l ever be	een told	by a doo	ctor or n	urse tha	at they h	ad asth	ma					
											28.6	27.4	26.7	25.0	Decreased, 2013-2018	Not available	No change

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

Male

				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN90: 1	Percenta	age of s	tudents	who are	transge	ender							3.7	1.4	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
					o talked on a cell phone while driving (on at least 1 day during the 30 days who drove a car or other vehicle)				Not available	No change							
QN94: 1	Percenta	age of s	tudents	who sm	oked a v	whole ci	garette l	pefore a	ge 13 ye	ears (for	the first	t time) 8.6	6.5	4.2	Decreased, 2013-2018	Not available	Decreased
QN98: 1 day duri						bacco in	a hooka	nh, narg	hile, or	other typ	pe of wa	terpipe	(on at le	2.4 east 1	Decreased, 2016-2018	Not available	Decreased

<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.

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

Male Site-Addo	ed																
				Н	ealth R	isk Beh	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		
QN99: vapor pr											flavor v	with an	electron	nic			
												93.7	93.4	93.6	No linear change	Not available <sup>§</sup>	No change
QN101: oil, or T			students	s who ha	ave ever	used an	electro	nic vapo	or produ	ct to sm	oke ma	rijuana,	THC o	r hash			
													10.3	15.3	Increased, 2016-2018	Not available	Increased
QN102:				s who th	ink they	definite	ely or pr	obably	will smo	oke a ci	garette,	cigar, c	igarillo,	, or			
													20.2	16.4	No linear change	Not available	No change
QN103: flavored survey)															,		
•											18.7	16.8	9.7	7.5	Decreased, 2013-2018	Not available	No change

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

				Н	alth Ri	sk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN104: Ithe survey		tage of s	students	who tri	ed or us	ed toba	eco proc	lucts for	the firs	t time (d	luring tl	he 12 m	onths b	efore			
												14.5	7.2	8.0	Decreased, 2014-2018	Not available§	No change
QN105: I survey, an												2 month	s before	the			
											39.1	33.4	34.1	8.6	Decreased, 2013-2018	Not available	Decreased
QN106: I	Percent	age of s	students	who liv	e with s	someone	e who no	ow smol	kes ciga	rettes or	cigars						

No linear change

84.4 82.0

No change

Not available

<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.

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

Male Site-Adde	ed																
				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						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		
QN108: during th					ere in th	e same	room w	ith some	eone wh	o was s	moking	g (on at l	east one	day	,		
	-			•									24.9	25.4	No linear change	Not available§	No change
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 the	e last			
											70.9	65.7	65.4	63.2	Decreased, 2013-2018	Not available	No change
QN117: friends	Percen	tage of	students	s who sa	y defini	tely yes	or prob	ably yes	s that yo	ung peo	ple wh	o smok	e have n	nore	,		
											39.1	33.5	36.1	37.3	No linear change	Not available	No change
QN118: cool or f		itage of	students	s who sa	y defini	tely yes	or prob	ably yes	s that sm	noking r	nakes y	oung p	eople lo	ok			
											24.4	20.7	22.5	23.1	No linear change	Not available	No change

<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.

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

### **Maryland High School Survey Harford County Trend Analysis Report**

Male Site-Added **Health Risk Behavior and Percentages** 

Linear Change\* Quadratic Change\* Change from 2016-2018

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

76.0 78.4 76.9 79.4

Not available§ No linear change

No change

<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.

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

Female Injury ar	nd Viole	ence		Н	ealth R	isk Beh	avior aı	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	<del>.</del>		
QN9: P							ho had	been dri	nking a	lcohol (	in a car	or other	vehicle	e, one	•		
		C	·	,		•					18.8	19.3	15.2	13.8	Decreased, 2013-2018	Not available§	No change
QN10: times du	iring the	30 day	s before														
days bet	fore the	survey)									6.3	6.6	5.8	3.7	Decreased, 2013-2018	Not available	No change
QN11: the 30 d survey)																	
											35.4	32.9	30.8	35.4	No linear change	Not available	No change

<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.

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

				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
	Percentaing the 3					eapon o	n schoo	l proper	ty (such	as a gu	ın, knife	e, or clul	o, on at	least 1			
iay duri	ing the 3	o days i	before ti	ic surve	·y /						2.4	2.7	3.6	2.1	No linear change	Not available§	Decreased
	Percenta sport suc												for hui	nting	No linear change	Not available	Decreased
														1.2	Two finear change	rvot avanaore	Decreased
	Percenta r club, o									on scho	ol prop	erty (suc	ch as a g	gun,			
cnife, oi																	

<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.

Female Injury an	ıd Viole	nce		Н	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			
QN18: months				who we	re in a p	hysical	fight on	school	property	y (one o	r more t	imes du	ring the	5.6	No linear change	Not available <sup>8</sup>	No change
QN22: someone with an went ou	e they w object o	ere dati r weapo	ng or go n] one o	oing out or more	with [co	ounting uring the	such thi e 12 mo	ngs as b nths bef	eing hit	, slamm	ned into	someth	ing, or i	njured			
											11.9	10.6	9.9	12.7	No linear change	Not available	No change
QN23:	Percenta	age of st	udents	who we	re bullie	ed on sch	nool pro	perty (e	ver duri	ng the 1	12 mont	hs befor	e the su	rvey)			
											24.6	25.0	23.9	23.0	No linear change	Not available	No change

<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.

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

Female njury an	d Viole	ence															
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN24: Faceboo										g bullie	d throug	gh textir	ng, Insta	gram,			
											22.6	21.4	21.5	18.8	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN25:											eks in a	row so	that the	y			
											34.7	36.8	39.6	39.6	Increased, 2013-2018	Not available	No change
QN26: survey)	Percenta	age of st	tudents	who ser	iously c	onsidere	d attem	pting su	icide (e	ver duri	ing the	12 mont	hs befor	e the			
											20.3	21.4	22.9	23.3	Increased, 2013-2018	Not available	No change
QN27: 1 before the			tudents	who ma	de a pla	n about	how the	y would	l attemp	t suicid	e (durir	ig the 12	2 month	S			,
											14.9	16.2	17.0	17.6	Increased, 2013-2018	Not available	No change

<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.

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

Female Tobacco	Use																
	Health Risk Behavior and Percentages  1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2013														Linear Change*	Quadratic Change*	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)	Percent	age of s	tudents	who cur	rently s	moked o	cigarette	s (on at	least 1 o	lay duri	ing the	30 days	before t	the			
											13.7	9.9	8.2	4.0	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QNFRC days bef				ents wh	o curren	itly smo	ked ciga	rettes fi	equentl	y (on 20	or mo	re days	during t	he 30			,
											4.6	3.1	2.2	0.8	Decreased, 2013-2018	Not available	Decreased
QNDAY before th			ige of st	udents v	vho curi	rently sn	noked ci	igarettes	daily (	on all 30	0 days c	during tl	ne 30 da	ıys			
											3.2	2.3	1.6	0.5	Decreased, 2013-2018	Not available	Decreased
QN34: I vape pip eGo, and	es, vapi	ing pens															,
												41.9	35.0	46.9	Increased, 2014-2018	Not available	Increased

<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.

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

emale obacco	Use																
	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN35: e-pipes, Plus, eG	vape pi	pes, vap	oing pen	s, e-hoo	kahs, ar	id hooka	h pens	[such as	blu, NJ								
												24.2	13.6	32.3	Increased, 2014-2018	Not available§	Increased
QNFRE during tl					no currei	ntly used	l electro	nic vap	or produ	icts freq	quently (	(on 20 o	r more	days			
												2.4	1.9	8.4	Increased, 2014-2018	Not available	Increased
QNDAY the 30 d				tudents	who cur	rently us	sed elect	tronic v	apor pro	ducts d	aily (on	all 30 c	lays dui	ring			
												1.4	1.6	5.8	Increased, 2014-2018	Not available	Increased
QNTB5 day duri						smoked	cigaret	tes or us	sed elec	tronic v	apor pro	oducts (	on at le	east 1			
												26.8	17.3	32.8	Increased, 2014-2018	Not available	Increased

<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.

Female Tobacco	Use			.,	aalth D	alr Dah		ad Domo	o <b>nt</b> o coo						Lincon Chongo*	Ovedvetic Change*	Change from
				п	eann K	isk Beh	avior ai	ia Perc	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		
QN36: (such as survey,	a conve	enience	store, su	ipermar	ket, disc	ount sto	re, gas	station,	or vape	store, d	uring th	e 30 day					
													11.5	4.5	Decreased, 2016-2018	Not available§	No change
QN37: dissolva vapor pr	ble toba	icco pro	ducts [s	uch as C	Copenha	gen, Gri	izzly, Sł	coal, or						nic			
													3.1	1.4	Decreased, 2016-2018	Not available	Decreased
QN38: during t					rently s	moked c	igars (c	igars, ci	garillos,	, or little	e cigars.	on at le	east 1 da	ıy	,		,
											10.7	9.4	7.2	3.8	Decreased, 2013-2018	Not available	Decreased

<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.

## **Maryland High School Survey Harford County Trend Analysis Report**

Female **Tobacco Use** 

before the survey)

**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 QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days 17.8 14.9 11.8 6.5 Decreased, 2013-2018 Not available§ Decreased

<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.

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

alcohol a	hol and Other Drug Use  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	<u> </u>		
QN40:	Percenta	age of st	udents	who had	their fi	rst drink	of alco	hol befo	ore age	13 years	(other	than a f	ew sips	)			
											17.4	15.1	15.0	11.6	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QN41: the 30 d				who cur	rently di	rank alc	ohol (at	least or	ne drink	of alcol	hol, on	at least	l day dı	ıring			
											37.1	38.1	33.4	33.8	No linear change	Not available	No change
QN42: female s day duri	students	or five	or more	drinks o	of alcoho												
													17.2	16.9	No linear change	Not available	No change

<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.

Alcohol a	ina Oth	ci Diu	g ese	Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN45:	Percenta	age of s	tudents	who eve	r used n	narijuan	a (one o	or more	times du	iring the	eir life)						
											34.5	33.7	33.0	33.6	No linear change	Not available§	No change
QN46: 1	Percent	age of s	tudents	who trie	d marijı	iana for	the first	time be	efore age	e 13 yea	ars						
											5.6	5.5	4.8	4.6	No linear change	Not available	No change
QN47: survey)	Percent	age of s	tudents	who cur	rently u	sed mari	ijuana (d	one or n	nore tim	es durir	ng the 30	0 days b	efore th	e			,
• /											18.4	20.1	19.2	18.9	No linear change	Not available	No change
QN48: 1	Percent	age of s	tudents	who eve	r used s	ynthetic	marijua	ana (one	or more	e times	during	their life	·)				
												7.5	6.8	4.7	Decreased, 2014-2018	Not available	No change

<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.

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

iconor a	ma Om	er Drug	, Use	Н	ealth R	isk Beh	avior an	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
differen	tly than	age of st how a d	loctor to	ld them	to use i	t (count	ing drug	s such a									
													14.9	13.4	No linear change	Not available§	No change
-		age of st			r used c	cocaine (	any forr	n of coo	caine, in	cluding	powde	r, crack,	or free	base,			
											4.5	3.2	3.8	2.4	Decreased, 2013-2018	Not available	No change
	Percenta uring the	age of st	udents v	who eve	r used h	neroin (a	lso calle	ed "smac	ck," "jur	ık," or '	'China '	White,"	one or 1	nore			
											2.7	2.4	3.2	1.1	Decreased, 2013-2018	Not available	Decreased
			udente i	who ava	r used r	n ath ame	hatamin	nes (also	called	'sneed	" "cryst:	al meth	" "crank	ζ,"			
	Percenta "meth,"	age of st " one or					nictanini	ics (aisc	Canca	specu,	Crysu			,			

<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.

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

Female Alcohol a	nd Oth	er Druş	g Use														
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	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 s	tudents	who eve	er used e	ecstasy (	also cal	led "MD	MA," c	one or m	ore tim	es durin	g their	ife)			
											6.1	4.1	4.4	2.6	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QN56: body, or						ed any il	llegal dr	ug (useo	d a need	le to inj	ect any	illegal o	drug into	their			
											2.1	1.9	3.5	1.9	No linear change	Not available	Decreased
QN57:				who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool prop	perty (di	uring th	e 12			
	J - V		-								21.8	19.7	18.0	16.2	Decreased, 2013-2018	Not available	No change

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

**Female Sexual Behaviors Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 QN58: Percentage of students who ever had sexual intercourse 37.8 32.0 31.8 34.0 No linear change Not available§ No change QN59: Percentage of students who had sexual intercourse for the first time before age 13 years 3.8 1.8 2.4 Decreased, 2013-2018 Not available No change QN60: Percentage of students who had sexual intercourse with four or more persons during their life Decreased, 2013-2018 No change 11.2 7.3 6.9 Not available QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)

29.3

25.1

26.1

26.4

No linear change

Not available

No change

<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.

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

'emale exual Be	havior	s															
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN62: 1 who wer					nk alcol	nol or us	sed drug	s before	last sex	cual inte	ercourse	(amon	g studer	nts			
											20.5	25.8	19.6	20.0	No linear change	Not available§	No change
QN63: 1				who use	d a cond	dom dur	ring last	sexual i	intercou	rse (am	ong stud	dents wh	no were				
											55.5	54.1	49.2	50.2	No linear change	Not available	No change
				who use			oills bef	ore last	sexual i	ntercou	rse (to p	orevent j	oregnan	cy,			
											24.3	28.8	32.3	35.7	Increased, 2013-2018	Not available	No change
QNIUDl or Nexpl active)																	
											0.8	2.7	2.1	6.0	Increased, 2013-2018	Not available	Increased

<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.

exual Be	ehaviors	S		Н	ealth Ri	isk Beha	avior aı	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	<u> </u>		
QNSHP control r	ring (suc	ch as Nu	vaRing)														
•	•	Ĭ	**								7.4	3.1	3.9	2.1	Decreased, 2013-2018	Not available§	No change
ONOTE	HPL: I	Percenta									lirena o		ard) or		,		,
QNOTH implant control i currently	(such as ring (suc	ch as Nu	vaRing)												Increased, 2013-2018	Not available	No change
implant control 1	(such as ring (such y sexual ALBC: I IUD (such covera),	Percentauch as M	age of st	udents vr ParaG	who use ard) or i	d both a	condor (such as	n during Implan	g last sex on or No	nancy, a	32.5 ercourse on); or a	34.6 e and bit shot (s	38.3  rth contract as	43.9	Increased, 2013-2018	Not available	No change

<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.

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

1991 1993 1995	1997 1999	2001	2003	2005 200									
			2000	2005 200	7 2009	2011	2013	2014	2016	2018	•		
QNBCNONE: Percent intercourse (among stud					o prevent	pregnar	ncy duri	ing last	sexual	:			
							12.4	11.2	16.0	12.6	No linear change	Not available§	No change

<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.

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

				Н	ealth R	isk Beh	avior ar	nd Perc	entages						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	<del>_</del>		
						erweigh data fro						tile for l	oody ma	ss			
											12.8	13.6	16.9	15.4	Increased, 2013-2018	Not available¶	No change
						besity (>			ile for b	ody mas	ss index	, based	on sex-	and			,
									ile for b	ody mas	ss index	, based 5.8	on sex- 9.2	and 7.8	Increased, 2013-2018	Not available	No change
age-spe	cific refe	erence d	ata fron	n the 20	00 CDC		charts)	§			6.1				Increased, 2013-2018	Not available	No change
age-spe	cific refe	erence d	ata fron	n the 20	00 CDC	growth	charts)	§			6.1				Increased, 2013-2018  No linear change	Not available  Not available	No change
QN67:	Percenta	age of st	ata fron	who des	00 CDC	growth	charts)	ightly or	very ov	verweig	6.1 ht 32.2	5.8 31.0	9.2	7.8			

<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.

<sup>&</sup>lt;sup>§</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.

				Н	ealth Ri	sk Beha	ovior an	d Perce	entages						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:	Percenta	age of st	udents v	who did	not eat	fruit (on	e or mo	re times	during	the 7 da	ıys befo	ore the si	urvey)				
											10.3	12.3	14.7	13.1	Increased, 2013-2018	Not available§	No change
							r drink 1	00% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			,
			students e 7 days				r drink 1	100% fr	uit juice	es (such	as orang	ge juice	, apple j	uice,	Increased, 2013-2018	Not available	No change
or grape	juice, d	uring th	e 7 days	s before	the surv	rey)	 100% fr	uit juice	es one o		3.8		7.8		Increased, 2013-2018	Not available	No change

<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.

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

				Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
						or drank the 7 da				or more	times p	er day (s	such as				
											31.9	24.9	24.0	22.5	Decreased, 2013-2018	Not available§	No change
QN71:	Percenta	age of st	udents	who did	not eat	green sa	ılad (on	e or moi	e times	during	the 7 da	ys befor	re the su	ırvey)			
											27.6	32.9	37.3	42.6	Increased, 2013-2018	Not available	Increased
															, , , , , , , , , , , , , , , , , , , ,		Increased
QN72:	Percenta	nge of st	udents	who did	not eat	potatoes	s (one or	r more t	imes du	ring the	7 days	before t	he surv	ey)			nicreased
QN72:	Percenta	age of st	udents	who did	not eat	potatoes	s (one or	more t	imes du	ring the	7 days 33.0	before t	he surv	ey) 33.7	No linear change	Not available	Decreased
						potatoes					33.0	34.5	38.6	33.7		Not available	

<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.

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

				Н	ealth Ri	sk Beh	avior ar	nd Perce	entages						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	_		
QN74: survey)	Percenta	age of st	udents v	who did	not eat	other ve	getables	s (one o	r more t	imes du	ring the	7 days	before t	he	,		
•											11.8	11.8	14.8	14.2	Increased, 2013-2018	Not available <sup>§</sup>	No change
	G0: Peros, or pota											ng Frenc	h fries,	fried			
											3.4	4.0	5.8	4.5	Increased, 2013-2018	Not available	No change
		<del></del>	of stude	nts who	ate veg	etables o	one or m	nore time	es per d	ay (gree	en salad						
	G1: Perofries, frie									g the 7	days be	fore the	survey)				

<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.

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

				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
												l, potato efore the					
											30.7	27.3	23.5	20.9	Decreased, 2013-2018	Not available§	No change
												ad, potat ne 7 day		the			
[exclud														the 9.3	Decreased, 2013-2018	Not available	No change
[exclude survey)  QN75:	ng Fren	ch fries,	fried po	otatoes, who did	or potat	o chips]	, carrots	or glass	er veget	ables, d	uring tl	ne 7 days	s before 10.7	9.3	Decreased, 2013-2018	Not available	No change

<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.

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

				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>-</del>		
QNSOD						,		_						ay			
QNSODA (such as (						,		_		days be				10.2	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
•	Coke, F	Pepsi, or	Sprite,	ents wh	nting die	et soda o	or diet p	oop, duri	ng the 7	days be	15.9	14.3 ore time	13.0  es per da	10.2	Decreased, 2013-2018	Not available <sup>§</sup>	Decrease

<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.

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

Female Physical A	Activity	,															
				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						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	<u> </u>		
QN78: kind of p	physical	activity	that in														
											36.3	31.0	27.1	31.2	Decreased, 2013-2018	Not available§	Increased
QNPA0 1 day (ir during th	n any kii	nd of ph	ysical a	ctivity t													
											15.3	19.4	25.2	22.1	Increased, 2013-2018	Not available	No change
QNPA7 kind of p	physical	activity															
											17.4	14.3	10.5	13.9	Decreased, 2013-2018	Not available	Increased

<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.

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

Female Physical	Activity	7		Н	ealth Ri	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		
QN79:	Percenta	age of st	udents v	who wat	tched tel	levision	3 or mo	ore hour	s per da	y (on ar	n averag	ge schoo	l day)	:			
											28.4	26.3	24.0	18.1	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
(countin	Percentang time sam, 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, Ŷot	ıTube,	Increased, 2013-2018	Not available	Increased
QN81: week w	Percenta hen they				ended ph	nysical e	ducation	n (PE) c	lasses o	n 1 or r	nore da	ys (in a	n averag	ge			

<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.

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

			Не	alth Ri	sk Beha	avior an	nd Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNDLYPE: Po				o attend	ed phys	ical edu	cation (	PE) clas	sses on a	all 5 day	s (in an	average	e			
vaalr ruhan tha		i schood														
week when the	y were n									2.8	1.2	1.9	1.3	Decreased, 2013-2018	Not available§	No change

<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.

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

Other				Н	ealth Ri	isk Beh	avior an	nd Perc	entages	<b>;</b>					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	_		
QN86: during t						ist (for a	ı check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er dent	al work	,			
												81.4	81.4	83.1	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				No linear change	Not available <sup>§</sup>	No change
QNNOI work)	ONT: Po	ercentag	ge of stud	dents w	ho neve	r saw a	dentist (	for a ch	eck-up,	exam, t	teeth cle				No linear change	Not available <sup>§</sup> Not available	No change
												aning, o	or other	dental			

<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.

## **Maryland High School Survey Harford County Trend Analysis Report**

Female

				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN90:	Percent	age of s	tudents	who are	transge	ender							2.2	1.1	No linear change	Not available <sup>§</sup>	No change
						cell pho car or o			g (on at	least 1	day dur	ing the	30 days 28.3	36.4	Increased, 2016-2018	Not available	Increased
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette ł	pefore a	ge 13 ye	ears (for	the first	t time) 5.4	5.4	1.8	Decreased, 2013-2018	Not available	Decreased
	Percentaing the 3					bacco in	a hooka	nh, narg	hile, or o	other ty	pe of wa	aterpipe	(on at le	east 1 3.1	Decreased, 2016-2018	Not available	Decreased

<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.

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

te-Addo	.u			Н	ealth Ri	isk Beh	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	<del>-</del>		
				who usu who hav							flavor v	vith an e	electron	ic			
												96.5	96.4	96.9	No linear change	Not available <sup>§</sup>	No change
	Percen		students	s who ha	ive ever	used an	electro	nic vapo	or produ	ct to sm	noke ma	rijuana,	THC o	r hash	,		
													8.5	17.2	Increased, 2016-2018	Not available	Increased
	Percengar in the			s who th	ink they	definite	ely or pr	obably	will smo	oke a ci	garette,	cigar, ci	garillo,	or			,
													15.2	11.2	Decreased, 2016-2018	Not available	Decreased
				s who us										rs,			
• ′											12.8	11.1	5.4	4.6	Decreased, 2013-2018	Not available	No change

<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.

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

Female Site-Adde	ed																
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN104: the surve		tage of	students	who tri	ied or us	sed toba	cco prod	lucts for	the firs	t time (	during t	he 12 m	onths b	efore			
	• /											14.2	8.1	11.4	No linear change	Not available§	Increased
QN105: survey, a												2 month	s before	e the			
											39.5	40.0	38.0	5.8	Decreased, 2013-2018	Not available	Decreased
QN106:	Percen	tage of	students	who liv	ve with	someone	e who no	ow smo	kes ciga	rettes or	rcigars	:					
											37.5	38.4	34.3	29.1	Decreased, 2013-2018	Not available	Decreased
QN107: allowed										home i	s that sı	noking	is not				
													83.5	83.6	No linear change	Not available	No change

<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.

Female Site-Adde	ed																
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN108: during tl					ere in th	e same	room wi	th some	eone wh	o was sı	moking	(on at 1	east one	e day			
													28.5	29.4	No linear change	Not available <sup>§</sup>	No change
QN110: school y		tage of	students	s who w	ere taug	ht in the	ir classe	es about	the dan	gers of	tobacco	use (di	aring the	e last	,		,
											72.1	67.4	61.6	63.0	Decreased, 2013-2018	Not available	No change
QN117: friends	Percen	tage of	students	s who sa	y defini	tely yes	or prob	ably yes	s that yo	ung peo	ple wh	o smok	e have n	nore			
											30.8	29.5	30.8	37.3	Increased, 2013-2018	Not available	Increased
QN118: cool or f		tage of	students	s who sa	y defini	tely yes	or prob	ably yes	s that sm	noking n	nakes y	oung po	eople lo	ok			
											15.6	13.9	15.8	22.7	Increased, 2013-2018	Not available	Increased

<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 Harford County Trend Analysis Report

emale ite-Addo	ed																
				Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
 1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			

QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

81.1 81.2 82.7 80.8 No linear change Not available<sup>§</sup> No change

<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.

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

Vhite* njury a	nd Viol	ence		τ.	F 141. T	vil n i	•	J. D.	<b>4</b>	_					L'accor Chec . *	One backs Chart	Change &
				I.	lealth b	dsk Ber	navior a	na Per	centage	s					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	-		
		ge of stu uring the					ho had l	been dri	nking a	lcohol (	in a car	or other	vehicle	e, one			
л шоге	times d	uring ur	c 30 day	is octore	o the sur	(VCy)					17.2	19.0	14.7	15.1	Decreased, 2013-2018	Not available <sup>¶</sup>	No chang
	ring the	age of st e 30 days survey)													Decreased, 2013-2018	Not available	No chang
		age of st ore the s															

<sup>\*</sup>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.

White* Injury and Vio	olence		H	lealth R	isk Beh	avior a	nd Pero	centage	s					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	<del>-</del>		
QN13: Percen					eapon o	n school	proper	ty (such	as a gu	ın, knife	e, or club	o, on at	least 1	+		
day during the	30 days t	before in	ie surve	<i>y)</i>						2.9	3.7	4.8	2.1	No linear change	Not available <sup>¶</sup>	Decreased
														,		
QN14: Percen			who carr		ın (not c	ounting			they ca	rried a	gun only	for hur	nting			
	uch as tai	rget shoc		ı at least		luring th	ie 12 m	onths be	efore the				8			
or for a sport si	ucn as tai	rget shoc		at least		luring th	ie 12 m	onths be	efore the			3.4	2.3	No linear change	Not available	No change
	uch as tai	rget shoc		at least		luring th	ne 12 m	onths be	efore the					No linear change	Not available	No chang
	utage of st	tudents v	oting, on	e threate	t 1 day o	injured	with a v	veapon		e survey	7)	3.4	2.3	No linear change	Not available	No chang

<sup>\*</sup>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.

White* Injury a	nd Viol	ence		H	lealth R	Risk Bel	navior a	nd Per	centage	s					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	-		
QN18: months				who wei	e in a p	hysical	fight on	school	property	(one o	r more	times du	ering the	7.1	No linear change	Not available¶	No change
someone with an	Percenta e they w object o tt with so	ere dati r weapo	ng or go on] one o	oing out or more	with [co	ounting uring the	such thi e 12 mo	ngs as b nths bef	eing hit	, slamm	ed into	someth	ing, or i	njured	,		,
											8.6	7.6	6.3	9.4	No linear change	Not available	Increased
QN23:	Percenta	age of st	udents v	who wei	e bullie	d on sch	nool pro	perty (e	ver duri	ng the 1	2 mont	hs before	e the su	irvey)			,
											23.8	22.4	23.1	20.8	No linear change	Not available	No chang

<sup>\*</sup>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.

White* Injury a	nd Viol	ence															
				H	Health F	Risk Bel	navior a	nd Per	centage	s					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: Taceboo											d throug	gh textir	ıg, Insta	gram,			
											18.4	17.5	19.3	15.7	No linear change	Not available¶	Decreased
QN25:	Percenta doing s	age of st	tudents	who felt	sad or l	nopeless g the 12	s (almos months	t every of	day for a	>=2 we rey)	eks in a	row so	that the	у			
											26.0	25.6	29.8	30.7	Increased, 2013-2018	Not available	No change
QN26:	Percenta	age of st	tudents	who ser	iously c	onsidere	ed attem	pting su	icide (e	ver duri	ing the	12 mont	hs before	re the			
-											16.0	15.1	17.2	17.7	Increased, 2013-2018	Not available	No change
QN27: before the			tudents	who ma	de a pla	n about	how the	y would	l attemp	t suicid	e (durin	ig the 12	2 month	S			
											11.2	11.5	13.4	12.5	No linear change	Not available	No change

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

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

White* Fobacco	Use																
				H	Iealth I	Risk Bel	navior a	nd Per	centage	S					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	<del>_</del>		
QN32: I survey)	Percenta	age of st	udents	who cur	rently s	moked o	rigarette	s (on at	least 1 c	lay duri	ng the 3	30 days	before t	he			
											14.9	10.4	8.8	4.8	Decreased, 2013-2018	Not available¶	Decrease
QNFRC			of stud	ents who	o currer	ntly smo	ked ciga	rettes fi	requentl	y (on 20	or mor	e days	during t	ne 30			
ady 5 oct		sui (ey)									5.6	3.8	1.9	0.7	Decreased, 2013-2018	Not available	Decrease
QNDAY pefore th			ge of st	udents v	vho curi	rently sn	noked ci	igarettes	s daily (	on all 30	0 days d	uring th	e 30 da	ys			,
		• /									3.9	2.8	1.0	0.6	Decreased, 2013-2018	Not available	No chang
QN34: I	es, vapi	ing pens															
eGo, and	ı Haio])	1										41.9	33.9	46.9	Increased, 2014-2018	Not available	Increase

<sup>\*</sup>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.

## Maryland High School Survey Harford County Trend Analysis Report

White\* **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) 25.8 14.8 35.1 Increased, 2014-2018 Not available ¶ Increased QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 3.5 2.5 11.2 Increased, 2014-2018 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) 2.4 Not available 2.0 8.1 Increased, 2014-2018 Increased QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 28.4 35.6 Increased, 2014-2018 Not available 18.4 Increased

<sup>\*</sup>Non-Hispanic.

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.

Not enough years of data to calculate.

## Maryland High School Survey Harford County Trend Analysis Report

White\* **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 QN36: Percentage of students who usually got their own electronic vapor products by buying them in a store (such as a convenience store, supermarket, discount store, gas station, or vape store, during the 30 days before the survey, among students who currently used electronic vapor products and who were aged <18 years) 9.9 Decreased, 2016-2018 Not available ¶ No change ON37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) 5.0 Decreased, 2016-2018 Not available Decreased QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey) 13.5 11.3 8.7 Decreased, 2013-2018 Not available Decreased

<sup>\*</sup>Non-Hispanic.

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

 $<sup>{}^{\</sup>S}B$  ased on t-test analysis, p < 0.05.

Not enough years of data to calculate.

## **Maryland High School Survey Harford County Trend Analysis Report**

White\* **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

QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)

> 20.2 16.1 12.6 9.0 Decreased, 2013-2018

Not available¶

Decreased

<sup>\*</sup>Non-Hispanic. †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.

Not enough years of data to calculate.

Alcohol and Other Drug Use	Hea	alth Risk I	Sehavior :	and Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991 1993 1995 1997	1999 2	2001 200	3 2005	2007	2009	2011	2013	2014	2016	2018	-		
QN40: Percentage of students	who had th	neir first dr	ink of alco	ohol befo	ore age 1	3 years	(other	han a fe	w sips)				
							17.1	15.7	14.4	11.2	Decreased, 2013-2018	Not available <sup>¶</sup>	Decreased
QN41: Percentage of students	who curren	ntly drank	alcohol (a	t least or	ne drink	of alcol	nol, on a	it least 1	day du	ring	,		
the 30 days before the survey)							37.9	36.6	32.8	35.8	No linear change	Not available	No

<sup>\*</sup>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.

White* Alcohol	and Ot	her Dru	ıg Use														
				F	Iealth F	Risk Bel	navior a	nd Per	centage	s					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	 }		
QN45:	Percent	age of s	tudents	who eve	r used r	narijuan	a (one c	or more	times du	iring the	eir life)						
											33.7	32.0	29.7	30.6	No linear change	Not available¶	No change
QN46:	Percent	age of s	tudents	who trie	d mariji	ıana for	the first	time be	efore ago	e 13 yea	ars						:
											6.6	6.7	5.2	4.1	Decreased, 2013-2018	Not available	No change
QN47: survey)	Percent	age of s	tudents	who cur	rently u	sed mar	ijuana (d	one or n	nore tim	es durir	ng the 30	) days b	efore th	e			
sur (ey)											17.8	19.5	18.4	18.6	No linear change	Not available	No change
QN48:	Percent	age of s	tudents	who eve	r used s	ynthetic	marijua	ana (one	or more	e times	during t	heir life	e)				
												8.5	5.4	4.0	Decreased, 2014-2018	Not available	No change

<sup>\*</sup>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.

White* Alcohol	and Oth	her Dru	g Use														CI. a
				Н	lealth F	Risk Bel	iavior a	nd Per	centage	es					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		
differen	Percenta tly than odone, a	how a d	loctor to	ld them	to use i	it (count	ing drug	gs such a									
													11.0	10.7	No linear change	Not available¶	No chang
	Percenta				r used c	cocaine (	any for	m of co	caine, in	ncluding	powder	r, crack,	or free	base,	,		
											4.8	4.2	3.2	3.2	Decreased, 2013-2018	Not available	No chang
	Percenta uring the		udents	who eve	r used h	neroin (a	lso calle	ed "sma	ck," "ju	nk," or '	'China V	White,"	one or i	nore	,		
											3.0	2.8	1.8	1.0	Decreased, 2013-2018	Not available	No change
ON53:	Percenta			who eve			ohetamii	nes (also	o called	"speed,	" "crysta	al meth,	" "cranl	ς,"			
	,																

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

White* Alcohol a	and Ot	her D	rug	g Use	I	Health I	Risk Bel	navior a	nd Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	199	95	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2013	3		2010 2010
QN54: I	Percent	age o	f stu	idents v	who eve	er used 6	ecstasy (	also call	ed "ME	)МА," с	one or m	nore tim	es durir 5.1	g their l	life)	Decreased, 2013-2018	Not available¶	No chanş
QN56: I							ed any il	legal dr	ug (usec	d a need	le to inj	ect any 2.3	illegal o	drug into	their	No linear change	Not available	No chan
QN57: I					who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool prop	perty (d	uring the	e 12 17.3	Decreased, 2013-2018	Not available	No chan

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

				H	lealth F	Risk Beh	navior a	nd Pero	centage	S					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			
QN58:	Percenta	age of s	tudents	who eve	r had se	exual into	ercourse	:			37.8	32.2	31.8	32.8	Decreased, 2013-2018	Not available¶	No change
QN59:	Percenta	age of s	tudents	who had	sexual	intercou	irse for t	he first	time be	fore age	e 13 yea	rs 3.0	2.0	1.7	Decreased, 2013-2018	Not available	No change
QN60:	Percenta	age of s	tudents	who had	sexual	intercou	ırse with	four or	more p	ersons	during t	heir life 7.4	6.5	6.8	Decreased, 2013-2018	Not available	No change
QN61: during t					e curre	ntly sexu	ually act	ive (had	l sexual	interco	urse wit	th at least	st one pe	erson, 24.4	No linear change	Not available	No change

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

White* Sexual B	Behavio	rs															
	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	-		
QN62: I		_			nk alcol	nol or us	sed drug	s before	e last sex	xual inte	ercourse	(amon	g studer	nts			
											23.5	28.0	18.8	22.1	No linear change	Not available¶	No chang
QN63: 1				who use	ed a conc	dom dur	ring last	sexual	intercou	rse (am	ong stud	dents w	no were				,
											61.3	59.2	50.6	56.3	No linear change	Not available	No chang
QN64: I	Percenta	age of s	tudents ere curre	who use	ed birth o	control p	pills bef	ore last	sexual i	ntercou	rse (to p	prevent	oregnan	cy,			,
											24.3	30.3	32.2	36.8	Increased, 2013-2018	Not available	No change
QNIUD or Nexpl active)																	
											0.6	1.5	1.7	4.7	Increased, 2013-2018	Not available	Increase

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

Sexual F	Behavio	rs															
				H	Iealth F	Risk Bel	navior a	nd Pero	centages	s					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	-		
control 1	PARG: 1 ring (suc y sexual	ch as Nu	vaRing)														
											4.5	2.3	3.0	1.8	Decreased, 2013-2018	Not available¶	No chang
	HHPL: 1					d birth c								rth	, , , , , , , , , , , , , , , , , , , ,		
control 1	ring (such ring (suc y sexual	ch as Nu	vaRing)			ual inte	rcourse								Increased, 2013-2018	Not available	No chanş
QNDUA pills; an Depo-Pi	ring (suc	Percentauch as M	e)  age of st firena or uch as (	before udents r ParaG OrthoEv	who use ard) or i	d both a	condor (such as	n during	g last sex on or No	mancy,	29.4 ercourse on); or a	34.1 e and bit is shot (s	37.0  th contract as	43.2	Increased, 2013-2018	Not available	No chan

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

# Maryland High School Survey Harford County Trend Analysis Report

White\* **Sexual Behaviors Health Risk Behavior and Percentages** Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2011 2013 2014 2005 2007 2009 2016 2018 QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) 8.3 9.3 13.4 8.4 No linear change Not available ¶ Decreased QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) 9.4 10.9 8.5 No linear change Not available No change

<sup>\*</sup>Non-Hispanic.

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

 $<sup>{}^{\</sup>S}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

				H	Iealth R	Risk Beh	avior a	nd Pero	centage	s					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	_		
						erweigh data fro						tile for l	oody ma	iss			
											12.9	13.4	14.0	12.6	No linear change	Not available	No chang
ONORE	SE. Do	roontog	C - t d							-							
						besity (> growth			le for b	ody mas	ss index	, based	on sex-	and			
									le for b	ody mas	ss index 9.7	9.3	on sex-	and 10.5	No linear change	Not available	No chang
ige-spe	cific refe	erence d	ata from	n the 200	00 CDC		charts)	Ī			9.7				No linear change	Not available	No chanş
ige-spe	cific refe	erence d	ata from	n the 200	00 CDC	growth	charts)	Ī			9.7				No linear change  No linear change	Not available  Not available	No chang
QN67:	Percenta	age of st	ata from	who des	cribed th	growth	charts)	ghtly or	· very ov	verweig	9.7 ht 28.3	9.3	10.5 27.8	28.0			

<sup>\*</sup>Non-Hispanic

 $<sup>^{\</sup>dagger}$ 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.

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.

J	J		nd Dieta	-		Risk Beh	navior a	nd Pero	centage	s					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	<u> </u>		
)N70: 1	Percenta	ige of st	udents v	who did	not eat	fruit (on	ne or mo	re times	during	the 7 da	ays befo	ore the s	urvey)				
											10.6	11.8	14.3	13.6	Increased, 2013-2018	Not available¶	No chang
						at fruit o	r drink 1	100% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			
					id not ea		r drink 1	100% fr	uit juice	es (such					1 2012 2010	N	
r grape	juice, d	uring th	e 7 days	s before	the surv	vey)					5.0	6.0	8.0	uice,	Increased, 2013-2018	Not available	No cha
grape  NFR1:	juice, d	uring th	e 7 days	s before	the surv		100% fi	ruit juic	es one o		5.0	6.0	8.0		Increased, 2013-2018	Not available	No cha

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

				H	lealth R	Risk Bel	navior a	nd Per	centage	s					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	_		
		ntage of								or more	times p	er day (	such as				
											30.5	25.4	24.3	22.2	Decreased, 2013-2018	Not available¶	No change
QN71:	Percent	age of s	tudents	who did	not eat	green sa	alad (one	e or mo	re times	during	the 7 da	ys befo	re the si	ırvey)			:
QN71:	Percent	age of s	tudents	who did	not eat	green sa	alad (one	e or moi	re times	during	the 7 da	ays befo	re the si	urvey) 42.0	Increased, 2013-2018	Not available	No chang
		age of s									29.5	36.9	39.8	42.0	Increased, 2013-2018	Not available	No chang
											29.5 7 days	36.9	39.8	42.0 ey)	Increased, 2013-2018  No linear change	Not available  Not available	No chang
QN72:	Percent		tudents	who did	not eat	potatoes	s (one or	r more t	imes du	ring the	29.5 7 days 29.2	36.9 before t	39.8 the surv 33.6	42.0 ey) 30.7	, 		

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

				H	Iealth R	Risk Bel	navior a	nd Pero	centage	s					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	_		
QN74: survey)	Percenta	age of st	udents v	who did	not eat	other ve	getable	s (one o	r more t	imes du	iring the	e 7 days	before t	he	1		
sui vey)											12.0	13.1	16.1	14.2	Increased, 2013-2018	Not available <sup>¶</sup>	No chang
							etables ( during t					ng Frenc	h fries,	fried 5.2	No linear change	Not available	No chang
						<del></del>	;										
									ac man d	ar (ara	an calad	notato	es fexch	uding			
	31: Pero						one or n										

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

Weight I	wianage	ement a	na Dieu	•	iaviors Iealth R	Risk Bel	navior a	nd Pero	centage	s					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		
QNVEO French f																	
											30.5	27.6	24.6	22.1	Decreased, 2013-2018	Not available¶	No change
QNVEC [excludi survey)														e the			
[excludi														e the 9.4	Decreased, 2013-2018	Not available	No chang
[excludi survey) QN75:		ch fries,	fried po	otatoes,	or potat	o chips]	, carrots	or glass	of soda	ables, d	luring the	he 7 day 11.9	s before 10.3	9.4	Decreased, 2013-2018	Not available	No chang

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

			H	Health F	Risk Bel	navior a	and Pero	centage	s					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	-		
NSODA1: Pouch as Coke,												7)	13.1	Decreased, 2013-2018	Not available¶	No char

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

				H	lealth R	disk Beh	avior a	nd Pero	centage	S					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		
kind of	Percenta physical fore the	activity															
											44.7	39.9	37.6	40.3	Decreased, 2013-2018	Not available <sup>¶</sup>	No chan
1 day (ii	DAY: In any kin	nd of ph	ysical a	ctivity t													
1 day (ii	n any kii	nd of ph	ysical a	ctivity t									e of the		No linear change	Not available	Decrease
1 day (induring t	n any kii	nd of ph ys before Percenta	ysical ace the sur	ctivity to	hat incre	eased the	eir heart	rate and	d made	them br	12.3  Der day	ard som	17.8 days (i	13.4	No linear change	Not available	Decreas

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

# Maryland High School Survey Harford County Trend Analysis Report

White\* **Physical Activity 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 ON79: Percentage of students who watched television 3 or more hours per day (on an average school day) 26.8 23.7 21.7 15.5 Decreased, 2013-2018 Not available ¶ Decreased QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) 36.1 39.0 37.5 47.1 Increased, 2013-2018 Not available Increased QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) No linear change Not available No change 48.2 46.9 44.8 48.3

<sup>\*</sup>Non-Hispanic.

 $<sup>^{\</sup>dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $<sup>{}^{\</sup>S}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

# Maryland High School Survey Harford County Trend Analysis Report

White\* **Physical Activity 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 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 3.5 2.0 1.4 Decreased, 2013-2018 Not available ¶ No change 1.5

QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

16.3 13.5 Decreased, 2016-2018 Not available Decreased

<sup>\*</sup>Non-Hispanic.

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.

Not enough years of data to calculate.

White* Other																	
				H	Health R	Risk Bel	navior a	nd Pero	entage	s					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		
QN86: I						st (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er dent	al work	,	-		
8					,							84.1	85.6	86.5	No linear change	Not available <sup>¶</sup>	No change
QNNOD work)	NT: Pe	ercentag	ge of stu	dents w	ho neve	r saw a	dentist (	for a ch	eck-up,	exam, t	eeth cle	aning,	or other	dental			
WOIK)												1.0	0.7	0.5	No linear change	Not available	No change
QN87: I	Percenta	age of st	tudents	who hac	l ever be	en told	by a doo	ctor or n	urse tha	it they h	ad asth	ma		:			
											24.0	23.7	25.0	20.5	Decreased, 2013-2018	Not available	Decreased

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

## **Maryland High School Survey Harford County Trend Analysis Report**

White\*

				H	Health F	Risk Bel	navior a	nd Per	centage	S					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		
QN90:	Percent	age of s	tudents	who are	transge	nder							2.1	0.9	Decreased, 2016-2018	Not available <sup>¶</sup>	Decreased
						cell pho			g (on at	least 1	day dur	ing the	30 days 31.7	37.1	Increased, 2016-2018	Not available	No change
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette b	pefore a	ge 13 ye	ears (for	the first	t time) 6.4	5.1	2.1	Decreased, 2013-2018	Not available	Decrease
	Percentaing the 3					bacco in	a hooka	nh, narg	hile, or o	other ty	pe of wa	aterpipe	(on at le	2.9	No linear change	Not available	Decreased

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

# Maryland High School Survey Harford County Trend Analysis Report

White\* 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) 96.4 95.7 96.4 No linear change Not available ¶ No change QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax 9.0 Increased, 2016-2018 Not available 18.4 Increased QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year 17.1 14.2 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) Decreased, 2013-2018 Not available No change 14.9 14.3 7.3

<sup>\*</sup>Non-Hispanic.

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.

Not enough years of data to calculate.

White* Site-Add	ed			Н	Iealth F	Risk Bel	navior a	and Pero	centage	s					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		2010 2010
QN104: the surve		tage of	students	who tri	ed or us	sed toba	cco prod	ducts for	r the firs	t time (	during t	the 12 n	nonths b	efore			
	,											15.1	8.3	11.5	Decreased, 2014-2018	Not available¶	Increased
QN105: survey, a												2 month	ns befor	e the			
											37.9	33.3	32.6	6.7	Decreased, 2013-2018	Not available	Decreased
QN106:	Percen	tage of	students	who liv	ve with	someone	e who n	ow smo	kes ciga	rettes or	rcigars	-			+		
											37.5	36.2	31.9	28.8	Decreased, 2013-2018	Not available	No change
QN107:										home i	s that s	moking	is not				
													86.5	83.8	Decreased, 2016-2018	Not available	Decreased

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

				Н	ealth R	isk Beh	avior a	nd Pero	centage	5					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	<del>_</del> ;		
QN108: during t					ere in the	e same i	oom wi	th some	one wh	o was sr	noking	(on at l	east one	day			
													27.3	29.5	No linear change	Not available <sup>¶</sup>	No change
QN110: school y	Percen	tage of	students	who we	re taugh	nt in the	ir classe	es about	the dan	gers of t	tobacco	use (di	uring the	e last	,		,
											72.2	67.3	63.2	62.8	Decreased, 2013-2018	Not available	No change
														02.0	Decreased, 2013-2010		140 change
QN117: friends	Percen	tage of	tudents	who say	y definit	ely yes	or prob	ably yes	that yo	ung peo	ple wh	o smok	e have n		Decreased, 2013-2010		No change
	Percen	tage of	students	who say	y definit	ely yes	or proba	ably yes	that yo	ung peo	pple who	o smoke 26.3	e have n		Increased, 2013-2018	Not available	Increased
riends	Percen										29.5	26.3	27.9	nore 32.5		Not available	

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

# Maryland High School Survey Harford County Trend Analysis Report

White\* Site-Added

**Health Risk Behavior and Percentages** 

Linear Change<sup>†</sup>

Quadratic Change<sup>†</sup>

Change from 2016-2018 §

 $1991 \quad 1993 \quad 1995 \quad 1997 \quad 1999 \quad 2001 \quad 2003 \quad 2005 \quad 2007 \quad 2009 \quad 2011 \quad 2013 \quad 2014 \quad 2016 \quad 2018$ 

QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

80.9 82.0 81.4 82.3

No linear change

Not available<sup>¶</sup>

No change

<sup>\*</sup>Non-Hispanic.

 $<sup>^{\</sup>dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $<sup>{}^{\</sup>S}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

пјигу а	nd Viol	ence		H	lealth R	tisk Bel	navior a	nd Pero	centages	5					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	_		
			dents wl				ho had l	oeen dri	nking al	cohol (i	in a car	or other	vehicle	, one			
or more	times di	uring un	5 50 day	s deloie	the sui	vey)					22.7	15.5	16.9	13.6	Decreased, 2013-2018	Not available¶	No change
QN10:		30 days	tudents v s before														
		survey)								our or or			U				
	fore the	survey)								our or or	11.2	5.7	11.0	0.6	Decreased, 2013-2018	Not available	Decrease

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

Injury aı	nd Viol	ence		F	Iealth R	Risk Bel	navior a	nd Per	centage	es					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		
QN13: I						eapon o	n schoo	l proper	ty (such	ı as a gı	ın, knife	e, or clu	o, on at	least 1			
day duri	ng the 3	ou days i	before tr	ne surve	·y)						5.8	4.0	7.6	5.9	No linear change	Not available¶	No chang
													for hu	nting			
QN14: I													7 for hu	nting 5.8	No linear change	Not available	No chang
															No linear change	Not available	No chang
	sport sue	ch as tar	rget shoo	oting, or	n at leas	t 1 day	during tl	me 12 m	onths b	efore th	e surve	<i>(</i> )	6.8	5.8	No linear change	Not available	No chang

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

Black* Injury a	nd Viol	ence		H	lealth R	lisk Bel	navior a	nd Per	centage	S					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	_		
QN18: I				who wer	e in a p	hysical	fight on	school	property	one o	r more t	imes du	ring the	13.5	Decreased, 2013-2018	Not available¶	No change
QN22: I someone with an owner out	e they wo	ere dati r weapo	ng or go on] one o	oing out or more	with [co	ounting aring the	such thi e 12 mo	ngs as b nths bef	eing hit	, slamm	ed into	someth	ng, or i	njured			
											12.5	8.0	8.8	9.9	No linear change	Not available	No change
QN23: 1	Percenta	age of st	udents	who wer	e bullie	d on sch	nool pro	perty (e	ver duri	ng the 1	2 mont	hs befor	e the su	rvey)	,		,
											15.6	16.0	16.1	15.5	No linear change	Not available	No change

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

Black* njury a	nd Viol	ence															
				H	Iealth R	lisk Bel	avior a	nd Per	centages	5					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			
		age of st her socia								g bullie	d throug	h textir	ıg, Insta	gram,			
											13.5	9.6	10.1	12.6	No linear change	Not available¶	No chang
		age of st									eks in a	row so	that the	y			,
											25.9	25.7	28.9	25.0	No linear change	Not available	No chang
QN26: I	Percenta	age of st	udents v	who seri	iously co	onsidere	d attem	pting su	icide (e	ver duri	ing the	12 mont	hs before	re the	,		
•											16.0	14.5	16.5	13.5	No linear change	Not available	No chang
	Percenta he surve	age of st	udents v	who mad	de a pla	n about	how the	y would	l attemp	t suicid	e (durin	g the 12	2 month	S			
											14.2	9.8	12.3	12.1	No linear change	Not available	No chang

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

 $<sup>^{\$}</sup>$ Based on t-test analysis, p < 0.05. Not enough years of data to calculate.

Black* Tobacco U	Use																
				H	Iealth F	Risk Bel	navior a	nd Per	centage	s					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	201	3		
QN32: Posurvey)	ercenta	age of st	udents	who cur	rently s	moked o	eigarette	s (on at	least 1	day duri	ing the 3	30 days	before	the			
											11.8	6.3	8.4	2.9	Decreased, 2013-2018	Not available¶	Decrease
QNFRCIO			of stud	ents who	o curren	itly smo	ked ciga	arettes fi	requentl	y (on 20	O or moi	re days	during t	he 30			,
											3.7	1.7	0.6	0.8	Decreased, 2013-2018	Not available	No chang
QNDAYO			ge of st	udents v	vho curi	ently sn	noked c	igarettes	s daily (	on all 3	0 days d	luring th	ne 30 da	iys			
											2.5	1.3	0.6	0.8	No linear change	Not available	No chang
QN34: Povape pipe	es, vapi	ing pens															
,	1/											38.0	33.4	29.9	Decreased, 2014-2018	Not available	No chang

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

# Maryland High School Survey Harford 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) 17.7 11.0 12.5 Decreased, 2014-2018 Not available ¶ No change QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 1.4 1.9 1.8 No linear change Not available No change QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) No linear change No change 1.0 1.9 0.8 Not available QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 20.4 17.0 14.0 Decreased, 2014-2018 Not available No change

<sup>\*</sup>Non-Hispanic.

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.

Not enough years of data to calculate.

Black* Tobacco	Use																
				H	Iealth R	Risk Beh	navior a	nd Pero	centage	S					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	201	8		
QN37: I dissolva vapor pr	ble toba	cco pro	ducts [si	uch as C	Copenha	gen, Gri	zzly, Sk	coal, or						nic			
vарог рг	oddets,	on at ic	ast I day	y daring	, the 30 v	uays bei	ore the	sur vey)					6.8	5.2	No linear change	Not available¶	No change
	Percenta he 30 da				rently sr	moked c	igars (ci	igars, ci	garillos,	or little	e cigars,	on at le	east 1 da	ıy			
											18.6	12.3	10.0	7.0	Decreased, 2013-2018	Not available	No change
QNTB2: before th			student	s who c	urrently	smoked	l cigaret	tes or ci	gars (or	at leas	t 1 day o	during tl	ne 30 da	ays			

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

Black* Alcohol and Oth	er Drug l	Use	Н	lealth R	Risk Bel	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991 1993	1995 1	997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40: Percenta	ge of stud	ents w	/ho had	their fi	rst drinl	c of alco	hol befo	ore age 1	13 years	(other	than a fe	ew sips	)			
										23.3	16.5	15.3	16.6	Decreased, 2013-2018	Not available¶	No chang
QN41: Percenta			ho curi	rently d	rank alc	ohol (at	least on	e drink	of alcol	nol, on a	nt least 1	day dı	ıring	,		
		3 /								28.4	23.2	20.8	17.6	Decreased, 2013-2018	Not available	No chang
QN42: Percenta female students of	or five or	more o	drinks o	of alcoho												,
day during the 30	o days bei	ore un	e sui ve	y)												

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

Black* Alcohol a	and Otl	her Dru	ıg Use														
				H	Iealth F	Risk Bel	navior a	nd Per	centage	S					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: 1	Percenta	age of st	tudents v	who eve	r used r	narijuan	a (one c	or more	times du	ring the	eir life)						
											42.7	40.1	32.1	28.6	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN46: 1	Percenta	age of st	tudents	who trie	d mariji	uana for	the first	time be	efore ago	e 13 yea	ars				,		
											12.3	11.3	8.0	6.3	Decreased, 2013-2018	Not available	No change
QN47: l survey)	Percenta	age of st	tudents	who cur	rently u	sed mar	ijuana (d	one or n	nore tim	es durin	ng the 30	0 days b	efore th	ie			
surveyy											25.2	25.2	17.1	14.8	Decreased, 2013-2018	Not available	No change
QN48: 1	Percenta	age of st	tudents	who eve	er used s	synthetic	marijua	ana (one	or more	e times	during	their life	e)				
												9.9	9.9	5.6	Decreased, 2014-2018	Not available	No change

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

				H	lealth F	Risk Bel	avior a	nd Pero	centage	s					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			
differer	tly than	how a d	loctor to	ld them	to use i	rescript t (count during	ng drug	s such a									
													17.5	14.9	No linear change	Not available <sup>¶</sup>	No chang
		age of st			r used c	ocaine (	any fori	n of coo	caine, in	cluding	powder	, crack,	or freel	oase,	,		:
one or i			5	iiic)													
one or i			.8	iiic)							7.5	4.9	10.1	4.9	No linear change	Not available	No chang
QN52:		age of st		,	r used h	neroin (a	lso calle	ed "smac	ck," "jui	nk," or "					No linear change	Not available	No chang
QN52:	Percenta	age of st		,	r used h	neroin (a	lso calle	ed "smao	ck," "jui	nk," or "					No linear change	Not available  Not available	No chang
QN52: times d	Percentaring the	age of si	tudents	who eve	r used n	nethamp					China V	White," 4.1	one or r	more 4.3			

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

				H	Iealth R	Risk Beh	navior a	nd Pero	centage	s					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		
QN54:	Percenta	age of st	tudents	who eve	r used e	cstasy (a	also call	ed "MD	MA," c	one or m	ore tim	es duri	ng their	life)			
											7.8	5.2	10.9	4.3	No linear change	Not available¶	Decreased
						ed any il	legal dr	ug (usec	l a need	le to inj					No linear change	Not available <sup>¶</sup>	Decreased
QN56: body, or						ed any il	legal dri	ug (used	l a need	le to inj					No linear change  No linear change	Not available <sup>¶</sup> Not available	Decreased  No change
	e or mo	age of si	s during	their lif	e)						ect any 4.6	illegal 5.0	drug int	to their			

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

# Maryland High School Survey Harford County Trend Analysis Report

**Sexual Behaviors 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 QN58: Percentage of students who ever had sexual intercourse Not available ¶ 35.9 Decreased, 2013-2018 No change 32.3 QN59: Percentage of students who had sexual intercourse for the first time before age 13 years

13.7

7.6

QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)

33.5 24.2 22.7 25.1 Decreased, 2013-2018 Not available No change

20.3 13.1

6.2

8.9

8.1

No linear change

11.7 Decreased, 2013-2018

Not available

Not available

\*Non-Hispanic.

Black\*

QN60: Percentage of students who had sexual intercourse with four or more persons during their life

No change

No change

<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.

Not enough years of data to calculate.

## **Maryland High School Survey Harford County Trend Analysis Report**

Black\* **Sexual Behaviors** 

**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

QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood)

15.1 17.9 15.3

No linear change

Not available ¶

No change

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

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

Not enough years of data to calculate.

				H	Iealth R	Risk Bel	navior a	nd Per	centage	S					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	<u> </u>		
	T: Perce											tile for	oody ma	ıss			
											15.6	17.9	19.3	20.5	Increased, 2013-2018	Not available	No chang
	ESE: Pe								ile for b	ody mas	ss index	, based	on sex-	and			
									ile for b	ody mas	ss index	a, based	on sex-	and 14.0	No linear change	Not available	No chan
ige-spec		erence d	ata from	the 200	00 CDC	growth	charts)	ſ			15.5				No linear change	Not available	No chang
ge-spe	cific refe	erence d	ata from	the 200	00 CDC	growth	charts)	ſ			15.5				No linear change  No linear change	Not available  Not available	No chang
)N67:	cific refe	age of st	ata from	who des	cribed th	growth	charts)	ightly or	very ov	verweig	15.5 ht 25.0	22.8	23.1	14.0 26.1			

<sup>\*</sup>Non-Hispanic

 $<sup>^{\</sup>dagger}$ 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.

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.

J	J		nd Dieta	-		tisk Beh	avior a	nd Perc	entages	S					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			
)N70:	Percenta	ge of st	udents v	who did	not eat	fruit (on	e or mo	re times	during	the 7 da	ays befo	ore the s	urvey)				
											23.5	22.4	24.1	23.8	No linear change	Not available¶	No chang
					d not ea	t fruit or	r drink 1	00% fr	uit juice	es (such							
							r drink 1	00% fr	uit juice	es (such	as oran	ge juice	7.6	juice, 9.4	No linear change	Not available	No chan
r grape	juice, d	uring th	e 7 days	s before	the surv		 100% fr	uit juice	es one o		6.4	6.2	7.6		No linear change	Not available	No char

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

Weight	Manage	ement a	nd Diet			Risk Bel	navior a	ind Per	centage	s					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	<del>-</del>		
		ntage of								or more	times p	er day (	such as				
											35.0	32.7	24.8	25.8	Decreased, 2013-2018	Not available¶	No chang
QN71:	Percent	age of st	udents	who did	not eat	green sa	alad (one	e or moi	re times	during	the 7 da	ıys befo	re the si	ırvey)			
											46.0	49.6	53.2	58.1	Increased, 2013-2018	Not available	No chang
QN72:	Percent	age of st	udents	who did	not eat	potatoe	s (one or	r more t	imes du	ring the	7 days	before t	he surv	ey)			
											39.8	43.0	46.8	45.2	No linear change	Not available	No chang
QN73:	Percent	age of st	udents	who did	not eat	carrots	(one or 1	more tin	nes duri	ng the 7	days b	efore th	e surve	7)			
											62.0	64.4	65.3	65.1	No linear change	Not available	No chang

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

				H	lealth R	disk Bel	navior a	nd Pero	centage	S					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	-		
QN74: survey)	Percenta	age of st	udents v	who did	not eat	other ve	getables	s (one o	r more t	imes du	ring the	7 days	before t	he			
survey)											25.1	18.6	25.4	21.9	No linear change	Not available¶	No chang
-		_					etables ( during tl			-		ng Frenc	th fries,	fried 9.7	No linear change	Not available	No chang
							one or m										

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

	J		nd Dieta	-		tisk Bel	navior a	nd Pero	centage	s					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	_		
QNVEC French f																	
											20.8	24.4	23.3	16.8	No linear change	Not available¶	Decreased
												ad, potat ne 7 day		the 9.4	No linear change	Not available	No chang
excludi survey) QN75:	ng Frencenta	ch fries,	fried po	who did	or potat	o chips]	, carrots	or glass	er veget	ables, d	uring th	ne 7 days	s before 10.9	9.4	No linear change	Not available	No chanş

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

				H	Health F	Risk Bel	havior a	and Per	centage	es					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991 19	93	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
								_			•			•	•		
NSODA1:														ay			
NSODA1: uch as Col												e surve		ay 13.4	Decreased, 2013-2018	Not available <sup>¶</sup>	No chan

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

Black* Physical	Activit	y		Н	lealth R	Risk Beh	navior a	nd Pero	centage	s					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	<del>-</del>		2010-2018 °
QN78: I kind of p	hysical	activity															
J		,									37.4	36.9	26.0	32.2	Decreased, 2013-2018	Not available <sup>¶</sup>	No chang
QNPA0I 1 day (in during th	any kii	nd of ph	ysical a	ctivity t													
											18.0	22.7	26.2	26.1	Increased, 2013-2018	Not available	No chang
QNPA7I kind of p	hysical	activity															
											21.0	20.5	12.8	17.1	No linear change	Not available	No chang

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

				H	lealth R	isk Beh	avior a	nd Perc	centage	s					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		
QN79: Pe	ercenta	ge of st	udents v	who wat	ched tel	evision	3 or mo	re hours	s per da	y (on ar	n averag	e schoo	ol day)				
											41.1	40.4	27.6	26.6	Decreased, 2013-2018	Not available <sup>¶</sup>	No chang
counting	time sp	pent on	things s	uch as 2	Xbox, Pl	layStatio	on, an iF	ad or of	ther tabl	let, a sn	nartphor	ne, texti	ng, Ŷoι	ıTube,	Increased, 2013-2018	Not available	Increase
QN80: Pe (counting Instagram QN81: Pe	time s <sub>l</sub> n, Facel	pent on book, or	things s other s	uch as 2 ocial me	Xbox, Pledia, for	ayStation someth	on, an iF ing that	ad or of was not	ther tabl	let, a sn work, o	nartphor on an av 42.0	ree, textiverage s	ng, You chool d	Tube, ay) 50.6	Increased, 2013-2018	Not available	Increas

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

								J						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
				o attend	ded phys	sical edu	cation (	PE) clas	sses on	all 5 day	ys (in an	averag	e			
tney	were in	i school,	)							7.1	2.8	5.0	4.8	No linear change	Not available <sup>¶</sup>	No chang
1	Per	Percentage they were in	Percentage of stud		Percentage of students who attended	Percentage of students who attended physical	Percentage of students who attended physical edu	Percentage of students who attended physical education (	Percentage of students who attended physical education (PE) class	Percentage of students who attended physical education (PE) classes on a	Percentage of students who attended physical education (PE) classes on all 5 dayshey were in school)	Percentage of students who attended physical education (PE) classes on all 5 days (in an they were in school)  7.1 2.8	Percentage of students who attended physical education (PE) classes on all 5 days (in an average they were in school)  7.1 2.8 5.0	Percentage of students who attended physical education (PE) classes on all 5 days (in an average they were in school)  7.1 2.8 5.0 4.8	Percentage of students who attended physical education (PE) classes on all 5 days (in an average they were in school)	Percentage of students who attended physical education (PE) classes on all 5 days (in an average they were in school)

<sup>\*</sup>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.

Black* Other				Н	Iealth R	Risk Beh	navior a	nd Pero	centage	s					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	-		
QN86: I		age of st				st (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er dent	al work	,			
uuring u			orore une	, sai vey	,							73.1	70.7	69.3	No linear change	Not available <sup>¶</sup>	No change
QNNOD		·	·			r saw a o	dentist (	for a ch	eck-up,	exam, t	eeth cle			,	No linear change	Not available <sup>¶</sup>	No change
		·	·			r saw a o	dentist (	for a ch	eck-up,	exam, t	eeth cle			,	No linear change	Not available <sup>¶</sup> Not available	No change
QNNOD	DNT: Pe	ercentag	ge of stud	dents w	ho neve							aning, o	or other	dental			

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

Black* Site-Add	led			H	Iealth F	Risk Bel	navior a	nd Pero	centage	s					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		
QN90:	Percenta	age of st	tudents v	who are	transge	nder							5.9	1.3	Decreased, 2016-2018	Not available <sup>¶</sup>	Decreased
QN93: before the									g (on at	least 1	day dur	ing the	30 days 27.6	22.7	No linear change	Not available	No change
QN94:	Percenta	age of st	tudents	who smo	oked a v	whole ci	garette ł	efore ag	ge 13 ye	ears (for	the firs	t time) 6.8	8.0	4.4	Decreased, 2013-2018	Not available	No change
QN98: day duri						bacco in	a hooka	ıh, nargl	nile, or o	other typ	pe of wa	aterpipe	(on at le	1.8	Decreased, 2016-2018	Not available	Decreased

<sup>\*</sup>Non-Hispanic. \*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. Not enough years of data to calculate.

Black* ite-Add	led																
				I	Health H	Risk Bel	navior a	nd Per	centage	S					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		
QN101: oil, or Tl			students	s who ha	ive ever	used an	electro	nic vapo	or produ	ct to sm	oke ma	rijuana,	THC or	r hash			
													8.9	9.0	No linear change	Not available¶	No chang
		ntage of		s who th	ink they	definite	ely or pı	obably	will smo	oke a ciş	garette,	cigar, ci	garillo,	or			
ittic eigi	ur iii uic	o next y	oui										17.7	12.9	No linear change	Not available	No chang
						ored toba								rs,			
•											17.6	10.7	6.4	5.0	Decreased, 2013-2018	Not available	No chang
QN104: he surve		itage of	students	s who tri	ied or us	sed toba	cco prod	ducts for	r the firs	t time (	during t	he 12 m	onths b	efore			
												11.2	6.0	4.2	Decreased, 2014-2018	Not available	No chan

<sup>\*</sup>Non-Hispanic. †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. Not enough years of data to calculate.

## Maryland High School Survey Harford County Trend Analysis Report

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 QN106: Percentage of students who live with someone who now smokes cigarettes or cigars 37.9 37.5 30.0 28.6 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) 80.3 80.2 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)

70.8

66.1

22.4

64.1

24.7

No linear change

62.6 Decreased, 2013-2018

Not available

Not available

school year)

QN110: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last

No change

No change

<sup>\*</sup>Non-Hispanic.

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

 $<sup>{}^{\</sup>S}B$  ased on t-test analysis, p < 0.05.

Not enough years of data to calculate.

## Maryland High School Survey Harford County Trend Analysis Report

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 QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends 53.0 48.6 50.6 52.2 No linear change Not available ¶ No change QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in 32.1 23.7 23.7 30.0 No linear change Not available No change

73.8 75.4 76.4 75.9

No linear change

Not available

QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their

parents if they had an important question affecting their life

No change

<sup>\*</sup>Non-Hispanic.

 $<sup>^{\</sup>dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $<sup>{}^{\</sup>S}B$  ased on t-test analysis, p < 0.05.

Not enough years of data to calculate.

njury ar	iu viole	nce		Н	ealth Ri	isk Beha	avior an	nd Perco	entages						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		
QN9: F							ho had l	oeen dri	nking al	cohol (i	n a car	or other	vehicle	, one			
											28.9	27.3	19.7	11.3	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QN13: day dur						eapon o	n school	l proper	ty (such	as a gu	n, knife	, or club	o, on at l	east 1			,
											12.1	12.2	13.3	6.8	No linear change	Not available	Decreased
QN14: or for a													for hun	iting			

<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.

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

ijury ai	nd Viole	ince		Н	ealth Ri	isk Beha	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		
	Percenta r club, or									on scho	ol prop	erty (su	ch as a g	un,			
											22.2	17.6	14.0	7.4	Decreased, 2013-2018	Not available§	Decreased
	Percenta before th			who wer	re in a p	hysical	fight on	school	property	(one of	r more	times dı	iring the	12			
											23.5	19.3	18.7	12.4	Decreased, 2013-2018	Not available	No change
someon	Percenta e they w object of t with so	ere dati r weapo	ng or go n] one o	ing out or more	with [co	ounting a	such this 12 more	ngs as b nths bef	eing hit	, slamm	ed into	someth	ing, or i	njured			
went ou																	

<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.

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

Hispanic Injury an		ence		Н	ealth R	isk Beh	avior aı	nd 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	_		
QN23: 1	Percenta	age of s	tudents	who we	re bullie	ed on scl	nool pro	perty (e	ver duri	ng the 1	12 mon	ths befo	re the si	ırvey)			
											26.3	29.8	24.8	24.9	No linear change	Not available§	No change
QN24: I											d throu	gh texti	ng, Insta	ıgram,			
											22.1	21.9	21.1	19.2	No linear change	Not available	No change
QN25: I											eks in a	row so	that the	ey .			
											28.6	39.9	37.8	38.2	No linear change	Not available	No change

<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.

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

## Maryland High School Survey Harford County Trend Analysis Report

Hispanic **Injury and Violence** Linear Change\* **Health Risk Behavior and Percentages** Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) Not available§ 20.7 23.4 25.7 24.4 No linear change No change QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey) 17.1 19.7 20.2 19.3 No linear change Not available No change

<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.

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

lispanic obacco	Use																
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN32: Survey)	Percenta	age of st	tudents	who cur	rently s	moked o	igarette	s (on at	least 1 o	lay duri	ing the 3	30 days	before tl	ne			
											21.7	17.6	15.0	6.2	Decreased, 2013-2018	Not available§	Decreased
		rcentage survey)	of stud	ents wh	o currer	ntly smo	ked ciga	rettes fi	requentl	y (on 20	or moi	re days	during th	ne 30			,
											9.4	8.3	8.0	1.9	Decreased, 2013-2018	Not available	Decreased
	CIG: Ine surve		ge of st	udents v	who curi	rently sn	noked ci	igarettes	s daily (	on all 30	0 days d	luring th	ne 30 day	ys	,		,
											7.9	8.3	6.0	1.9	Decreased, 2013-2018	Not available	Decreased
	es, vapi	ing pens				an electr h pens [											
												46.5	37.6	43.8	No linear change	Not available	No change

<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.

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

### **Maryland High School Survey Harford County Trend Analysis Report**

Hispanic **Tobacco Use Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 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) 29.7 15.3 26.6 No linear change Not available§ Increased QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 8.8 6.8 7.4 No linear change Not available No change QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) 6.6 5.2 6.2 No linear change Not available No change

22.9

26.9

No linear change

Not available

QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1

day during the 30 days before the survey)

No change

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

<sup>&</sup>lt;sup>†</sup>Based on t-test analysis, p < 0.05.

lispanic obacco				Н	ealth Ri	isk Beh	avior aı	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	3		
QN37: dissolva vapor pi	ble toba	icco pro	ducts [s	uch as C	Copenha	gen, Gr	izzly, Sk	coal, or <b>(</b>						nic			
													11.0	2.6	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
QN38: during t					rently si	moked c	eigars (c	igars, ci	garillos	, or little	e cigars	on at le			Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
					rently si	moked c	rigars (c	igars, ci	garillos,	, or little	e cigars	on at le			Decreased, 2016-2018  Decreased, 2013-2018	Not available <sup>8</sup> Not available	Decreased
	he 30 da	nys before	re the su	ırvey)					,		23.9	18.3	ast 1 da	y 5.2			

<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.

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

Hispanic Alcohol a		er Druş	g Use	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	2018	3		
QN40:	Percenta	age of s	tudents	who had	l their fi	rst drink	of alco	hol befo	ore age 1	13 years	(other	than a f	ew sips	)			
											28.0	22.5	20.9	16.1	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN41: the 30 d				who cur	rently d	rank alc	ohol (at	least or	e drink	of alcol	hol, on	at least	l day dı	ıring			
											38.0	39.8	29.7	26.2	Decreased, 2013-2018	Not available	No change
QN42: female s day duri	tudents	or five	or more	drinks o	of alcoho												
													15.9	11.2	No linear change	Not available	No change

<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.

Hispanic Alcohol a		er Druş	g Use	Н	ealth R	isk Beh	avior aı	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	<del>-</del> 3		
QN45:	Percenta	age of st	tudents	who eve	er used r	narijuan	ıa (one o	or more	times du	iring the	eir life)						
											43.2	48.0	35.0	32.7	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN46:	Percenta	age of st	tudents	who trie	d mariji	uana for	the first	t time be	efore ag	e 13 yea	ars		•				
					J				C	•	15.5	17.9	11.1	8.3	Decreased, 2013-2018	Not available	No change
QN47: survey)	Percenta	age of st	tudents	who cur	rently u	sed mar	ijuana (	one or n	nore tim	es durir	ng the 3	0 days b	efore th	ie			
<i>5</i>											23.4	29.4	24.4	21.2	No linear change	Not available	No change
QN48:	Percenta	age of st	tudents	who eve	er used s	synthetic	mariju	ana (one	e or mor	e times	during	their life	e)				
												17.7	9.9	6.9	Decreased, 2014-2018	Not available	No change

<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.

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

Iispanic Alcohol and Other I	Orug Use														
		H	lealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991 1993 19	95 199	7 1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN49: Percentage differently than how Hydrocodone, and I	v a doctor	told then	i to use i	it (count	ing drug	gs such a									
											21.6	15.5	No linear change	Not available <sup>§</sup>	No change
QN50: Percentage one or more times d			er used o	cocaine (	(any fori	m of coo	caine, in	cluding	powde	r, crack,	or free	base,			
									14.8	14.9	9.1	4.1	Decreased, 2013-2018	Not available	Decreased
QN52: Percentage times during their li		ts who ev	er used l	neroin (a	ılso calle	ed "sma	ck," "jui	nk," or '	'China '	White,"	one or 1	more			
									16.7	12.2	9.7	3.3	Decreased, 2013-2018	Not available	Decreased
QN53: Percentage "ice," or "meth," on					ohetamir	nes (also	called	"speed,	" "crysta	al meth,	" "cranl	ς,"			:
									16.2	12.0	8.9	3.7	Decreased, 2013-2018	Not available	Decreased

<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.

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

Hispanic Alcohol a	nd Oth	er Dru	g Use														
				Н	ealth R	isk Beh	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	5 2018	3		
QN54: 1	Percenta	age of s	tudents	who eve	r used e	ecstasy (	also call	ed "MD	MA," c	one or n	nore tim	es durir	ng their	life)			
											19.5	14.9	9.8	5.4	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN56: 1 body, on						ed any il	legal dr	ug (useo	d a need	le to inj	ject any	illegal	drug int	o their			
					/						11.5	8.6	6.9	2.8	Decreased, 2013-2018	Not available	Decreased
QN57: I				who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool pro	perty (d	uring th	ne 12			
											36.9	32.0	27.2	22.5	Decreased, 2013-2018	Not available	No change

<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.

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

## **Maryland High School Survey Harford County Trend Analysis Report**

Hispanic

Sexual Be	havior	s															
				Н	ealth Ri	isk Beha	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 $^\dagger$
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN58: 1	Percenta	age of s	tudents	who eve	r had se	xual into	ercourse	<b>;</b>			47.5	47.9	43.9	35.4	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN59: 1	Percenta	age of s	tudents	who had	l sexual	intercou	rse for	he first	time be	fore age	e 13 yea	nrs 10.7	10.0	6.3	Decreased, 2013-2018	Not available	No change
QN60: 1	Percenta	age of s	tudents	who had	l sexual	intercou	rse with	four o	r more p	ersons	during t	heir life	;				
											22.6	17.3	9.8	9.4	Decreased, 2013-2018	Not available	No change
QN61: I					re currei	ntly sexu	ially act	ive (had	l sexual	interco	urse wi	th at lea	st one po	erson,			
											38.0	36.5	34.6	27.6	No linear change	Not available	No change

<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.

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

lispanic exual Be	haviors	s															
				Н	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			

<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.

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

				Не	ealth Ri	sk Beha	avior an	nd Perco	entages						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	-		
					were over							tile for	oody ma	ss			
											15.4	16.2	15.8	20.2	No linear change	Not available¶	No change
					o had ob				le for bo	ody mas	ss index	, based	on sex-	and			,
											8.8	13.9	17.8	11.9	No linear change	Not available	No change
											1. 4						
QN67:	Percenta	age of st	udents v	vho des	cribed th	nemselv	es as sli	ghtly or	very ov	erweigl	nt						
QN67:	Percenta	age of st	udents v	vho des	cribed tl	nemselv	es as sli	ghtly or	very ov	_	nt 25.9	32.1	29.0	30.0	No linear change	Not available	No change
QN69:		age of st			not drin						25.9				No linear change	Not available	No change

<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.

<sup>&</sup>lt;sup>§</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.

				Не	ealth Ri	sk Beha	ovior an	d Perce	entages						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:	Percenta	age of st	tudents v	who did	not eat	fruit (on	e or mo	re times	during	the 7 da	ays befo	ore the s	urvey)	•			
											23.8	21.2	18.8	21.1	No linear change	Not available§	No change
			students				r drink 1	00% fr	uit juice	es (such	as oran	ge juice	, apple	juice,			
	jaree, a	wg	e , days								9.9	12.7	12.3	10.6	No linear change	Not available	No change
8F											<b>7.</b> 7				_	1 (of a value 10	1 to chang
QNFR1			students							or more	-	er day (s	uch as			1,00 0,100	1 to chang

<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.

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

Hispanic Veight N		ment an	d Dieta	-		isk Beh	avior ar	nd 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	_		
		ntage of ple juice								or more	times p	er day (	such as				
											31.8	31.4	26.0	26.3	Decreased, 2013-2018	Not available§	No change
QN71:	Percent	age of st	udents	who did	not eat	green sa	alad (one	e or moi	re times	during	the 7 da	ıys befo	re the si	ırvey)	,		,
											36.6	37.4	48.2	49.1	Increased, 2013-2018	Not available	No change
QN72:	Percent	age of st	udents	who did	not eat	potatoe	s (one or	r more t	imes du	ring the	7 days	before t	he surv	ey)	+		
											31.3	37.4	40.6	40.4	Increased, 2013-2018	Not available	No change
	Percent	age of st	udents	who did	not eat	carrots	(one or 1	more tin	nes duri	ng the 7	7 days b	efore th	e surve	y)	+		
QN73:																	

<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.

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

				Н	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN74: survey)	Percenta	age of st	udents	who did	not eat	other ve	getables	s (one or	more t	imes du	iring the	e 7 days	before t	he	•		
• /											24.4	22.6	21.4	23.6	No linear change	Not available <sup>§</sup>	No change
	G0: Peros, or pota											ng Frenc	ch fries,	fried			-
											8.7	10.0	12.2	11.2	No linear change	Not available	No change
ONVE	G1: Perc																
French	tries, trie	eu potat	505, OI F	ouito ci	прој, са	11005, 01	ourer .	-8	-,	8			,				

<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.

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

				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNVEO																	
											28.5	27.5	27.6	19.6	Decreased, 2013-2018	Not available§	No change
QNVEO														the			
														the 7.1	Decreased, 2013-2018	Not available	Decreased
[excludi	ng Fren	age of st	, fried po	otatoes, who did	or potat	o chips]	, carrots	or glass	er veget	ables, d	uring th	15.2	s before 17.8	7.1	Decreased, 2013-2018	Not available	Decreased

<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.

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

				Н	ealth Ri	isk Beh	avior aı	nd Perc	entages	3					Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
-	•	,		•		•	•				-		•	-	-		
QNSODA														ay			
QNSODA (such as C												e surve		10.7	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
(such as (	Coke, P	epsi, or	Sprite,	not cou	nting die	et soda	or diet p	oop, duri	ing the 7	7 days b	20.2	21.0	17.7	10.7	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
	Coke, P	epsi, or	Sprite,	not coun	nting die	et soda (	or diet p	oop, duri	of soda of	7 days b	20.2 wo or m	21.0	17.7 es per d	10.7	Decreased, 2013-2018	Not available <sup>§</sup>	Decrease

<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.

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

Hispanic Physical		•		н	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	<u> </u>		
QN78: kind of j days bef	physical	activity	that in												Decreased, 2013-2018	Not available <sup>§</sup>	No change
QNPA0 1 day (in during the	n any kii	nd of ph	ysical a	ctivity t													
											21.4	23.6	25.5	29.5	Increased, 2013-2018	Not available	No change
QNPA7 kind of J days bef	physical	activity															
											21.9	18.2	16.9	15.1	Decreased, 2013-2018	Not available	No change

<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.

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

Hispanic Physical <i>A</i>	Activity	7		Н	ealth R	isk Beh	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		
QN79: I	Percenta	age of s	tudents	who wat	tched te	levision	3 or mo	ore hour	s per da	y (on ar	n averag	e schoo	l day)	•			
											36.2	29.3	22.9	14.2	Decreased, 2013-2018	Not available§	Decreased
QN80: I (counting Instagran	g time s	spent on	things	such as 2	Xbox, P	layStati	on, an il	Pad or o	ther tab	let, a sn	nartphor	ne, texti erage s	ng, Ŷou	Tube,	No linear change	Not available	No change
QN81: F					ended pl	hysical e	education	n (PE) c	lasses o	on 1 or r	nore day	ys (in ar	n averag	je			
											50.3	50.7	50.6	41.0	Decreased, 2013-2018	Not available	Decreased

<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.

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

## Maryland High School Survey Harford County Trend Analysis Report

Hispanic **Physical Activity** Linear Change\* **Health Risk Behavior and Percentages** Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) Decreased, 2013-2018 Not available§ 6.2 3.7 5.3 1.5 Decreased QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

25.0

11.5 Decreased, 2016-2018

Not available

Decreased

<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.

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

Hispanic Other																	
				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN86: I						ist (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er dent	al work	,			
8				,	,							68.9	72.1	74.4	No linear change	Not available§	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, o	or other	dental			
work)												7.5	4.6	1.3	Decreased, 2014-2018	Not available	No change
QN87: 1	Percenta	age of s	tudents	who had	l ever be	een told	by a doo	ctor or n	urse tha	at they h	ad asth	ma		,			
											31.1	28.0	29.2	26.7	No linear change	Not available	No change

<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.

### **Maryland High School Survey Harford County Trend Analysis Report**

	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-			
N90: I	Percenta	ge of st	udents v	vho are	transgei	nder							5.2	1.9	No linear change	Not available <sup>§</sup>	No change	
							garette b	pefore aş	ge 13 ye	ears (for	the first	t time)	5.2	1.9	No linear change	Not available <sup>§</sup>	No change	

12.8 15.0 No linear change Not available No change

9.8

4.9

No linear change

Not available

QN98: Percentage of students who smoked tobacco in a hookah, narghile, or other type of waterpipe (on at least 1

QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash

oil, or THC wax

Hispanic

day during the 30 days before the survey)

Decreased

<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.

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

Iispanic ite-Adde				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						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	<del>-</del>		
QN102:				who th	ink they	definite	ely or pr	obably	will smo	oke a cią	garette,	cigar, c	igarillo,	or			
little cig	ar in the	e next ye	ear										23.7	14.3	Decreased, 2016-2018	Not available <sup>§</sup>	Decreased
QN103: flavored survey)																	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											20.1	21.3	12.1	3.9	Decreased, 2013-2018	Not available	Decreased
QN104: the surve		tage of	students	who tri	ed or us	sed toba	cco prod	ducts for	the firs	t time (	during t	he 12 n	nonths b	efore			:
												21.0	6.0	8.6	Decreased, 2014-2018	Not available	No change
QN106:	Percen	tage of	students	who liv	ve with s	someone	e who no	ow smo	kes ciga	rettes or	cigars	,					
											37.1	40.2	37.5	30.1	No linear change	Not available	No change

<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.

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

te-Adde	e-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			2010-2018
						rule abo				r home i	is that s	moking	is not				
													77.1	83.9	No linear change	Not available§	No change
		tage of			ere in th	e same	room wi	th some	eone wh	o was s	moking	(on at l	east one	e day			
													24.6	17.9	No linear change	Not available	No change
QN110: chool y		tage of	students	s who w	ere taug	ht in the	ir classe	es about	the dan	igers of	tobacco	use (du	uring the	e last	,		
											66.7	61.9	66.5	63.4	No linear change	Not available	No change
QN117: riends	Percen	itage of	students	s who sa	y defini	tely yes	or prob	ably yes	that yo	oung peo	ople who	o smoke	have n	nore			
											47.9	42.4	43.3	40.5	No linear change	Not available	No chang

<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.

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

Hispanic Site-Adde	ispanic ite-Added 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	•		
QN118: cool or fi		tage of	students	who sa	y defini	tely yes	or prob	ably yes	that sm	oking n	nakes y	oung pe	ople lo	ok			
											28.1	25.7	26.9	22.4	No linear change	Not available <sup>§</sup>	No change
QN119: parents i								eeking h	elp fron	n one or	more a	dults be	esides th	eir			
1				1		<i>O</i> * * *					71.6	72.3	68.5	73.1	No linear change	Not available	No change

<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.

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