Maryland High School Survey Howard County Trend Analysis Report

'otal njury an	d Viole	ence		Н	ealth R	isk Beh	avior ar	nd Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u>-</u>		
QN9: Po							ho had l	been dri	nking al	cohol (i	n a car	or other	vehicle	e, one			
		C	Ĭ			•					17.1	15.7	11.8	12.5	Decreased, 2013-2018	Not available§	No change

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)

8.9 5.8 4.3 4.5 Decreased, 2013-2018 Not available

No change

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

[§]Not enough years of data to calculate.

Fotal njury an	nd Viole	ence		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	_		
QN11: the 30 d survey)																	
,											36.6	26.4	28.1	28.8	Decreased, 2013-2018	Not available§	No change
QN13: day duri						reapon o	n schoo	l proper	ty (such	as a gu	n, knife	, or club	o, on at	least 1			
											3.3	2.7	4.8	3.1	No linear change	Not available	Decreased
QN14: or for a													for hur	nting			
													4.1	3.1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	isk Beh	avior aı	nd Perc	entages	;					Linear Change [*]	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN16: knife, o										on scho	ol prop	erty (suc	ch as a g	un,			
											7.4	5.7	7.0	5.4	No linear change	Not available§	No change
				who wer	e in a p	hysical	fight on	school	property	y (one o	r more	times du	ring the	12	,		
QN18: months				who wer	re in a p	hysical	fight on	school	property	y (one o	r more	times du	ring the	12 8.6	No linear change	Not available	No change
	Percenta e they w	he surve	ey) sudents v ng or go n] one o	who exp	perienced with [co	d physic ounting uring the	cal datin such thi	g violen	ace (beir	ng physi	9.5 cally holed into	8.0 art on prosometh	8.7 urpose b	8.6 y njured	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Total Injury an	d Viole	ence		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	-		
QN23:	Percenta	age of s	tudents	who we	re bullie	ed on scl	nool pro	perty (e	ver duri	ng the 1	12 mont	hs befor	e the su	rvey)			
											19.0	17.3	15.3	16.3	Decreased, 2013-2018	Not available [§]	No change
QN24: Faceboo											d throug	gh textir	ıg, Insta	gram,			
											13.9	12.4	12.6	13.4	No linear change	Not available	No change
QN25: stopped											eks in a	row so	that the	y			
											23.3	23.5	26.4	28.4	Increased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Cotal njury an	nd Viole	ence		Н	ealth Ri	isk Beha	avior ar	nd Perco	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN26:	Percenta	age of s	tudents	who seri	ously co	onsidere	d attem	pting su	icide (e	ver duri	ng the	12 mont	hs befor	e the	,		
QN26: survey)	Percenta	age of s	tudents	who seri	ously co	onsidere	ed attem	pting su	icide (e	ver duri	ng the 14.1	12 mont	hs befor	e the 16.5	Increased, 2013-2018	Not available [§]	No change
-	Percenta	age of s		,		,	,				14.1	15.0	16.2	16.5	Increased, 2013-2018	Not available [§]	No change

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

otal 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: 3	Percenta	age of s	tudents	who cur	rently s	moked c	eigarette	s (on at	least 1 o	lay duri	ng the 3	30 days	before tl	ne			
											7.3	4.9	4.7	2.7	Decreased, 2013-2018	Not available§	Decreased
		rcentage survey)		ents wh	o currer	ntly smo	ked ciga	rettes fi	requentl	y (on 20	or moi	e days	during th	ne 30			
uuy 5 001	ore the	sur (ey)									2.0	1.1	1.0	0.4	Decreased, 2013-2018	Not available	No change
	CIG: Ine surve		ige of st	udents v	vho curi	rently sn	noked ci	igarettes	s daily (on all 30) days d	uring th	ie 30 day	ys			
											1.5	0.8	0.6	0.4	Decreased, 2013-2018	Not available	No change
	es, vapi	ing pens				an electr h pens [
												32.1	27.6	35.7	Increased, 2014-2018	Not available	Increased

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

[§]Not enough years of data to calculate.

'otal '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	-		
QN35: e-pipes, Plus, eG	vape pi	pes, var	oing pen	s, e-hoo	kahs, ar	nd hooka	h pens	[such as	blu, NJ	(includ OY, Vu	ling e-ci ıse, Maı	garettes kTen, I	, e-ciga Logic, V	rs, 'apin			
												16.0	8.3	20.4	Increased, 2014-2018	Not available§	Increased
QNFRE during tl					o curre	ntly used	l electro	nic vap	or produ	icts free	quently ((on 20 c	r more	days			
												1.3	1.0	4.1	Increased, 2014-2018	Not available	Increased
QNDAY the 30 d				tudents	who cur	rently us	sed elect	tronic v	apor pro	oducts d	aily (on	all 30 c	lays dui	ring			
												0.9	0.7	2.5	Increased, 2014-2018	Not available	Increased
QNTB5 day duri						smoked	cigaret	tes or u	sed elec	tronic v	apor pro	oducts	on at le	east 1			
-	•	-			-							17.6	10.9	20.9	Increased, 2014-2018	Not available	Increased

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

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Total **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 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) 14.8 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) 4.7 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) 9.3 6.9 7.3 Decreased, 2013-2018 Not available Decreased

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

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Total **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)

> Decreased, 2013-2018 12.5 9.0 9.3 5.1

Not available§

Decreased

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

[§]Not enough years of data to calculate.

Total Alcohol a	nd Oth	er Dru	g Use	Н	ealth Ri	isk Beha	avior aı	nd Perce	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40:	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)			
											13.1	12.2	11.7	10.5	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			
	,		, ,								30.1	22.8	23.3	21.9	Decreased, 2013-2018	Not available	No change
QN42: female s day duri	tudents	or five	or more	drinks o	of alcoho												
													12.4	11.3	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Total Alcohol a	and Oth	ner Dru	g Use												**************************************		
				Н	ealth K	isk Beh	avior ai	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:	Percent	age of s	tudents	who eve	er used i	marijuan	a (one o	or more	times du	aring the	eir life)						
											28.7	24.3	24.1	25.1	No linear change	Not available§	No change
QN46:	Percent	age of s	tudents	who trie	ed marij	uana for	the first	t time b	efore ag	e 13 yea	ars	-	-				
											4.6	3.7	4.2	3.7	No linear change	Not available	No change
QN47: survey)		age of s	tudents	who cur	rently u	ised mar	ijuana (one or n	nore tim	es durir	ng the 3	0 days b	efore th	ie			
											16.4	13.4	14.2	13.3	No linear change	Not available	No change
QN48:	Percent	age of s	tudents	who eve	er used s	synthetic	mariju	ana (one	e or mor	e times	during	their life	e)	-			
												4.9	4.5	4.7	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth R	isk Beha	vior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
differer	Percenta tly than odone, a	how a d	octor to	ld them	to use i	t (counti	ng drug	s such a						•			
													11.2	12.0	No linear change	Not available [§]	No change
	Percenta nore tim				r used c	ocaine (any forn	n of coc	aine, in	cluding	powde	r, crack,	or free	base,			,
											4.0	3.3	3.4	3.2	No linear change	Not available	No change
	Percenta		udents	who eve	r used h	neroin (a	lso calle	d "smac	ck," "jur	ık," or '	'China \	White,"	one or	more			
	uring the	11 1110)															
	uring the	ii iiic)									2.9	2.3	3.0	2.1	No linear change	Not available	No change
QN53:	Percentar "meth,"	nge of st					hetamin	es (also	called	"speed,					No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

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 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2013	8		
QN54:	Percenta	age of s	tudents	who eve	er used e	ecstasy (also call	led "MD	MA," c	one or m	ore tim	es durin	g their	life)			
											6.4	4.0	3.4	2.9	Decreased, 2013-2018	Not available [§]	No change
QN56: body, or						ed any il	llegal dr	ug (used	d a need	le to inj	ect any	illegal o	drug into	o their	+		
											2.6	1.9	2.8	2.1	No linear change	Not available	No change
QN57: months				who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool proj	perty (di	uring th	e 12			
											26.3	23.7	22.8	22.4	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Total

				H	ealth R	isk Beha	avior ar	d Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN58: 1	Percenta	ige of st	udents	who eve	r had se	exual inte	ercourse	;			27.1	21.5	22.4	21.2	Decreased, 2013-2018	Not available [§]	No change
QN59: 1	Percenta	ige of st	udents	who had	sexual	intercou	irse for t	he first	time be	fore age	2 13 yea 3.4	rs 2.6	2.0	2.1	Decreased, 2013-2018	Not available	No change
QN60:	Percenta	ige of st	udents	who had	sexual	intercou	ırse with	four o	more p	ersons	during t	heir life					
											7.0	5.6	4.5	3.9	Decreased, 2013-2018	Not available	No change
QN61: during the					e curre	ntly sexu	ıally act	ive (had	l sexual	interco	urse wit	h at leas	st one pe	erson,			
											19.0	15.1	16.1	15.5	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	isk Beh	avior an	d Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	Percenta re currei				nk alcoł	nol or us	ed drug	s before	last sex	cual inte	ercourse	e (amon	g studen	ts			
											29.0	25.3	19.6	21.4	Decreased, 2013-2018	Not available [§]	No change
)N63:	Percenta			who use	d a conc	dom dur	ing last	sexual i	ntercou	rse (am	ong stu	dents wl	no were				
	y sexual	ly active	e)												No linear change	Not available	No change
QN64:	Percenta	age of st	udents v				oills befo	ore last	sexual i		67.8	64.5	67.1	63.9	No linear change	Not available	No change
QN64:		age of st	udents v				oills befo	ore last	sexual i		67.8	64.5	67.1	63.9	No linear change	Not available Not available	No change
QN64: among s	Percenta	age of st who we	eudents vere curre	ently sex	tually ac	an IUD	(such a	s Miren	a or Par	ntercou	67.8 rse (to properties) 18.9 or implements	64.5 prevent j 21.1 ant (suc	67.1 pregnand 19.4 h as Imp	63.9 cy, 24.5			

^{*}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.

				Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change fron 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u>-</u> -		
QNSHP control r currently	ring (suc	ch as Nu	ivaRing														
											2.5	2.5	2.7	1.6	No linear change	Not available§	No change
NOTE	IIIDI . I	Danaan (:	C		l :	J 1-1-41- ·		:11	IIID (:	als as 37	r: ·	n Dans C	/b.c.				-
QNOTH implant control r currently	(such as	s Implan ch as Nu	on or NovaRing	explano	n); or a	shot (su	ich as D	epo-Pro	vera), p	atch (su	ich as C	OrthoEv	ra), or b		No linear change	Not available	No chang
eontrol recurrently QNDUA poills; an Depo-Pr	(such as ring (such y sexual ALBC: IUD (such rovera),	s Implanch as Nully active Percentauch as Martine patch (s	age of st	explano	who use ard) or i	d both a mplant oirth con	course condor (such as	epo-Pro (to prev m during Implan g (such a	g last ser	atch (sugnancy,	23.2 ercours on); or a	25.3 e and boarshot (see a short (see	ra), or b s who w 23.6 rth cont uch as	29.8 rol	No linear change	Not available	No chan

^{*}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 Howard County Trend Analysis Report

Total

				H	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change [*]	Quadratic Change*	Change from 2016-201
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
							any met		prevent	pregnan	cy duri	ng last	sexual	,			
							any met		prevent	pregnan				8.2	No linear change	Not available [§]	No chang
									prevent	pregnan	ecy duri	ng last	sexual	8.2	No linear change	Not available [§]	No chang
N84: F	rse (amo	ong stud	lents wh	o were	currently	y sexual		e)			9.9	10.7	11.8		No linear change	Not available [§]	No chan

^{*}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.

				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	-		
			of studen d age-sp									tile for t	ody ma	ss			
											11.9	11.3	11.6	13.7	No linear change	Not available¶	No change
			e of stud						le for bo	ody mas	ss index	, based	on sex-	and			,
											5.9	7.5	7.1	7.4	No linear change	Not available	No change
		age of st	tudents v	who des	cribed t	hemselv	es as sli	ghtly or	very ov	verweigl	ht	-			,		;
QN67:	Percenta	age or s															
QN67:	Percenta	age 01 50									24.3	23.0	22.3	23.9	No linear change	Not available	No change
QN69:		age of st	tudents v	who did	not drir	ık fruit j	uice (10	00% frui	t juices						No linear change	Not available	No change

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

[§]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 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		
QN70:	Percenta	age of st	tudents	who did	not eat	fruit (or	ne or mo	ore times	s during	the 7 da	ays befo	ore the s	urvey)				
											10.4	11.4	11.7	10.3	No linear change	Not available [§]	No change
QNFR0 or grape							or drink	100% fr	ruit juice	es (such	as oran	ge juice	, apple j	uice,			
QNFR0 or grape							or drink	100% fr	ruit juice	es (such	as oran	ge juice	, apple j	uice,	No linear change	Not available	No change
	ijuice, d	luring th	ne 7 day	s before	the surv	vey) or drank	100% f	ruit juic	es one o		5.1	6.2	6.7		No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth R	isk Beh	avior an	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	-		
	: Percei juice, ap									or more	times p	er day (s	such as				
											37.6	30.9	29.1	29.7	Decreased, 2013-2018	Not available [§]	No change
QN71:	Percent	age of st	tudents	who did	not eat	green sa	ılad (one	e or moi	re times	during	the 7 da	ys befo	re the su	ırvey)			
											31.1	34.3	39.3	39.7	Increased, 2013-2018	Not available	No change
ON72·	Percent	age of st	tudents	who did	not eat	potatoes	s (one or	r more t	imes du	ring the	7 days	before t	he surve	ey)			
Z1112.											35.8	38.4	37.9	43.6	Increased, 2013-2018	Not available	Increased
Z11/2.																	
	Percent	age of st	tudents	who did	not eat	carrots	(one or 1	more tin	nes duri	ng the 7	days b	efore the	e survey	·)			

^{*}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.

				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	-		
QN74: survey)	Percenta	age of st	udents v	who did	not eat	other ve	getables	s (one or	more ti	imes du	ring the	e 7 days	before t	he			
•											11.4	13.6	14.7	13.1	No linear change	Not available§	No change
QNVEO potatoes												ng Frenc	h fries,	fried			
											4.9	5.8	6.6	5.6	No linear change	Not available	No change
QNVEO																	

^{*}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.

				Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
			of stude oes, or p														
											32.2	30.5	29.0	26.8	Decreased, 2013-2018	Not available§	No change
			of stude , fried po											the 13.7	Decreased, 2013-2018	Not available	No change
[excludi survey) QN75:	ng Fren	age of si		who did	or potat	o chips]	, carrots	or glass	er veget	ables, d	uring th	15.1	s before 13.7	13.7	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

1997 1999 2001	2003 2005	2007 200	9 2011	2013	2014	2016	2016	_		
						2010	2018	}		
e of students who drar		0					ay			
r Sprite, not counting o	diet soda or diet p	op, during the	e / days be		•	,	7.0	Decreased 2013-2018	Not available [§]	No change
				12.2	10.0	1.7	7.0	Decreased, 2013-2010	1vot uvunuote	Two change
						e of students who drank a can, bottle, or glass of soda or pop two or more time		e of students who drank a can, bottle, or glass of soda or pop two or more times per day	e of students who drank a can, bottle, or glass of soda or pop two or more times per day	e of students who drank a can, bottle, or glass of soda or pop two or more times per day

^{*}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.

Fotal Physical	Activity	7		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	_		
QN78: kind of days bet	physical	activity	that in												Increased, 2013-2018	Not available [§]	Increased
												30.1			Increased, 2013-2016	1vot available	mercased
QNPA0 1 day (in during t	n any ki	nd of ph	ysical a	ctivity t		not part eased th											
											15.4	18.9	19.3	14.8	No linear change	Not available	Decreased
QNPA7 kind of j	physical	activity															
-		•									22.7	19.2	20.1	23.6	No linear change	Not available	Increased

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

[§]Not enough years of data to calculate.

Total Physical	Activity	7		Н	ealth R	isk Beh	avior ar	ıd 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	-		
QN79:	Percenta	age of st	tudents	who wat	tched te	levision	3 or mo	re hour	s per da	y (on an	n averag	e schoo	l day)				
											22.0	18.9	15.4	15.7	Decreased, 2013-2018	Not available§	No change
QN80: (counting Instagra	ng time s	spent on	things s	such as 2	Xbox, P	layStati	on, an iI	Pad or o	ther tab	let, a sn	nartphor	ne, texti	ng, Ŷou	Tube,	Increased, 2013-2018	Not available	Increased
QN81: week w					ended pl	nysical e	ducation	n (PE) c	lasses o	n 1 or n	more day	ys (in ar 31.2	averag	ge 30.6	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

hysical .	. 2002 (200			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	•		
								-					-		-		
					no atteno	ded phys	sical edu	ication (PE) clas	sses on	all 5 da	ys (in aı	averag	ge .			
QNDLY week wl					no attend	ded phys	sical edu	ication ((PE) clas	sses on	all 5 da 19.3	ys (in ai 17.4	averag 16.7	ge 17.6	No linear change	Not available [§]	No change
week wl	nen they	were in	school))							19.3	17.4	16.7	17.6	No linear change	Not available [§]	No change
week wl	nen they	were in	school)	who had	l a conc	ded phys					19.3	17.4	16.7	17.6	No linear change	Not available [§]	No change

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

[§]Not enough years of data to calculate.

Total Other																	
				H	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	•		
QN86: 1						ist (for a	check-1	ıp, exan	n, teeth	cleaning	g, or oth	er dent	al work	,			
during ti	12 111		orore inc	Sarvey	,							82.6	83.0	82.5	No linear change	Not available [§]	No change
QNNOD	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)												1.0	1.5	1.5	No linear change	Not available	No change
QN87: 1	Percenta	age of st	tudents v	who had	l ever be	een told	by a do	ctor or n	urse tha	at they h	ad asth	ma					
											23.2	24.2	24.5	22.4	No linear change	Not available	No change

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

Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Total

ite-Add	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	<u> </u>		
QN90:	Percent	age of s	tudents	who are	transge	nder							2.8	1.4	Decreased, 2016-2018	Not available [§]	Decreased
QN93: before the									g (on at	least 1	day dur	ing the 3	30 days 27.0	34.1	Increased, 2016-2018	Not available	Increased
QN94:	Percent	age of s	tudents	who sm	oked a v	vhole ciş	garette b	efore a	ge 13 ye	ears (for	the first	t time) 4.0	4.9	2.2	Decreased, 2013-2018	Not available	Decreased
QN98: day duri						oacco in	a hooka	h, nargl	nile, or o	other typ	oe of wa	nterpipe	(on at le	east 1 2.2	No linear change	Not available	Decreased

^{*}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 Howard County Trend Analysis Report

Total Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 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) 94.4 94.3 96.7 No linear change Not available§ No change ON101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax Not available 6.7 12.9 Increased, 2016-2018 Increased QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year 14.7 Decreased, 2016-2018 Not available Decreased

8.7

5.3

2.6 Decreased, 2013-2018

Not available

10.6

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

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

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Total

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2016-2018 [†]	
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN104: Perce	ntage of	students	who tri	ed or us	ed tobac	cco prod	lucts for	the firs	t time (d	during t	he 12 n	nonths b	efore			
											7.9	5.1	5.6	Decreased, 2014-2018	Not available§	No change
										irvey)				D 1 2012 2010		
											2 month	us before	e the 11.5	Decreased, 2013-2018	Not available	Decreased
survey, among	students	who use	ed tobac	co prod	ucts dur	ing the	12 mont	hs befo	re the su	43.4				Decreased, 2013-2018	Not available	Decreased
QN105: Percesurvey, among	students	who use	ed tobac	co prod	ucts dur	ing the	12 mont	hs befo	re the su	43.4				Decreased, 2013-2018 Decreased, 2013-2018	Not available Not available	Decreased No change
survey, among	ntage of	students	who liv	ve with s	someone	who no	ow smok	ces ciga	re the su	43.4 cigars 25.1	24.9	20.1	11.5	,		

^{*}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 Howard County Trend Analysis Report

				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	_		
QN108: during th					ere in th	e same i	room w	ith some	eone wh	o was si	noking	(on at le	east one	day			
													17.0	18.3	No linear change	Not available§	No change
															2 178-		
QN110: school y		tage of	students	who we	ere taug	ht in the	ir classe	es about	the dan	gers of	tobacco	use (du	ring the				
		tage of	students	who we	ere taug	ht in the	ir classe	es about	the dan		tobacco 65.9		ring the		Decreased, 2013-2018	Not available	No change
	rear)										65.9	62.6	61.9	last 57.3			

18.9 16.1 19.0 25.1 Increased, 2013-2018

cool or fit in

Increased

Not available

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

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

Linear Change* Quadratic Change* Change from 2016-2018

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

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 79.0 79.0 79.7

No linear change

Not available§

No change

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

[§]Not enough years of data to calculate.

Male Injury an	ıd Viole	nce		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	-		
QN9: P							ho had l	oeen dri	nking a	lcohol (i	in a car	or other	vehicle	e, one			
											17.4	15.3	12.9	13.5	Decreased, 2013-2018	Not available [§]	No change
QN10: times du days bef	iring the	30 day	s before														,
											11.7	6.5	5.5	6.4	Decreased, 2013-2018	Not available	No change
QN11: the 30 d survey)																	
•											39.4	29.2	30.1	29.7	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Male **Injury and Violence Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN13: Percentage of students who carried a weapon on school property (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) 3.7 6.3 4.2 No linear change Not available§ Decreased QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) 6.0 5.3 No linear change Not available No change QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) 9.4 6.9 8.4 7.0 No linear change Not available No change

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

Based on t-test analysis, p < 0.05.

njury an	ia Viole	nce		Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	•		
QN18: months				who wer	re in a p	hysical	fight on	school	property	(one o	r more	times di	iring the	e 12			
											13.4	10.9	11.5	11.5	No linear change	Not available [§]	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			
											7.6	6.7	7.0	11.7	No linear change	Not available	No change
QN23:	Percenta	age of st	udents v	who wer	re bullie	d on sch	nool pro	perty (e	ver duri	ng the 1	12 mont	hs before	re the su	ırvey)			
											17.2	15.0	13.1	14.4	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Male Injury and V	Violen	ice															
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991 19	993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN24: Per Facebook,											d throug	gh textir	ng, Insta	igram,			
											10.8	10.0	9.8	11.1	No linear change	Not available [§]	No change
QN25: Per stopped do											eks in a	row so	that the	ey	,		
											17.5	17.3	19.2	19.5	No linear change	Not available	No change
QN26: Per survey)	rcentag	ge of st	udents	who ser	iously c	onsidere	ed attem	pting su	iicide (e	ver dur	ing the	12 mont	hs befo	re the			
											10.3	11.0	11.8	11.0	No linear change	Not available	No change
QN27: Per before the s			udents	who ma	de a pla	n about	how the	y would	d attemp	t suicid	le (durin	ng the 12	2 month	1S			,
											8.7	9.4	10.2	12.6	Increased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Male Tobacco	I Ico																
Tobacco	Ose			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		
QN32: survey)	Percent	age of st	tudents	who cur	rently s	moked c	igarette	s (on at	least 1	lay duri	ng the 3	30 days	before	the			
											8.9	5.3	5.9	4.0	Decreased, 2013-2018	Not available§	No change
QNFRC days bef		_	of stud	lents wh	o currer	ntly smo	ked ciga	arettes fi	requentl	y (on 20) or moi	re days	during t	he 30			
											2.9	1.2	1.4	0.6	Decreased, 2013-2018	Not available	No change
QNDAY before th			ige of st	udents v	who curi	rently sn	noked ci	igarettes	s daily (on all 30	O days d	luring th	ne 30 da	ıys			
											2.1	0.8	0.8	0.6	No linear change	Not available	No change
QN34: vape pip eGo, and	es, vapi	ing pens															
230, and	. 11u10])	•										33.1	30.4	36.1	No linear change	Not available	Increased

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

[§]Not enough years of data to calculate.

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	-		
QN35: e-pipes, Plus, eG	vape pi	pes, vap	ping pen	s, e-hoo	kahs, ar	id hooka	h pens	[such as	blu, NJ								
												16.5	9.6	20.9	No linear change	Not available§	Increased
QNFRE					io currei	ntly used	l electro	nic vap	or produ	icts freq	quently ((on 20 o	r more	days			
												1.8	1.4	5.7	Increased, 2014-2018	Not available	Increased
QNDAY				tudents	who cur	rently us	sed elect	tronic v	apor pro	ducts d	aily (on	all 30 d	ays dui	ring			:
												1.4	1.0	3.5	Increased, 2014-2018	Not available	Increased
QNTB5 day duri						smoked	l cigaret	tes or us	sed elec	tronic v	apor pro	oducts (on at le	east 1			:
												18.5	12.9	21.9	No linear change	Not available	Increased

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

Male Tobacco	Use			Н	ealth R	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN36: (such as survey,	a conve	enience	store, su	ıpermarl	ket, disc	ount sto	re, gas s	station,	or vape	store, d	uring th	e 30 day					
													14.7	10.5	No linear change	Not available [§]	No change
QN37: dissolva vapor pi	ble toba	cco pro	ducts [si	uch as C	Copenha	gen, Gri	zzly, Sk	coal, or	Camel S					nic			,
													6.7	3.1	Decreased, 2016-2018	Not available	Decreased
QN38: during t					rently si	noked c	igars (c	igars, ci	garillos.	, or little	e cigars,	on at le	ast 1 da	у			
											12.9	8.2	9.4	5.2	Decreased, 2013-2018	Not available	Decreased

^{*}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 Howard County Trend Analysis Report

Male Toba

Tobacco 1	Use			Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNTB2: before th		_	student	s who c	urrently	smoked	l cigaret	tes or ci	gars (on	at least	1 day d	uring th	ne 30 da	ys			
											15.9	10.3	11.7	6.9	Decreased, 2013-2018	Not available§	Decreased

^{*}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.

Male Alcohol a	nd Oth	er Druș	g Use	н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40:	Percenta	age of s	tudents	who hac	l their fi	rst drink	of alco	hol befo	ore age	13 years	(other	than a fo	ew sips))			
											15.3	13.3	13.1	11.2	Decreased, 2013-2018	Not available§	No change
QN41: 1				who cur	rently d	rank alc	ohol (at	least or	ne drink	of alcol	hol, on a	at least 1	day du	ıring			
the 30 d	ays bere	ne me s	survey)								30.8	19.2	23.0	19.6	Decreased, 2013-2018	Not available	No change
QN42: female s	tudents	or five	or more	drinks o	of alcoho												
													12.7	10.8	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Male 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 [†]
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)			•			
											33.6	23.6	26.0	23.5	Decreased, 2013-2018	Not available [§]	No change
QN46:	Percent:	age of st	tudents	who trie	d mariii	uana for	the first	t time be	efore ag	e 13 ve	ars		 		,		
Q1140.	rereena	age of si	tudents	who the	a mary	uunu 101		tume ov	crore ug	e 13 yet	6.1	5.1	5.4	4.8	No linear change	Not available	No change
QN47:	Percenta	age of st	tudents	who cur	rently u	sed mar	ijuana (one or n	nore tim	es durir	ng the 3	0 days t	efore th	ie			
survey)											19.7	13.5	15.5	13.4	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)		,		
												5.2	5.5	5.7	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Male Alcohol a	nd Oth	er Dru	g 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			
QN49: different	ly than	how a c	doctor to	old them	to use i	it (count	ing drug	gs such a									
													11.1	11.3	No linear change	Not available§	No change
QN50: I		_			er used o	cocaine (any fori	m of coo	caine, in	cluding	g powde	r, crack	, or free	base,			
											5.1	3.6	3.9	4.1	No linear change	Not available	No change
QN52: I			tudents	who eve	er used l	neroin (a	lso calle	ed "sma	ck," "jui	nk," or '	"China	White,"	one or	more			
											3.8	3.2	3.9	3.3	No linear change	Not available	No change
QN53: I							hetamir	nes (also	called	"speed,	" "cryst	al meth	," "cranl	k,"			
											4.0	3.0	4.1	2.8	No linear change	Not available	No change

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

				Н	ealth Ri	isk Beha	avior an	d Perc	entages						Linear Change*	Quadratic Change*	Change fron 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54:	Percenta	ige of st	tudents v	who eve	r used e	cstasy (a	also call	ed "MD	MA," c	one or m	ore tim	es durii	ng their	life)			
											8.3	4.7	4.4	4.0	Decreased, 2013-2018	Not available§	No change
						ed any il	legal dri	ug (useo	l a need	le to inj					Decreased, 2013-2018	Not available [§]	No change
QN56: body, or						ed any il	legal dri	ug (usec	l a need	le to inj					Decreased, 2013-2018 No linear change	Not available [§] Not available	No change
	e or mo	re times	s during	their lif	e)						ect any 3.5	illegal	drug int	o their			

^{*}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 Howard County Trend Analysis Report

32.0

QN59: Percentage of students who had sexual intercourse for the first time before age 13 years

5.3 3.4 2.9 2.9 Decreased, 2013-2018 Not available No change

22.4 Decreased, 2013-2018

Quadratic Change*

Not available§

Change from 2016-2018 †

No change

No change

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

8.8 6.8 5.6 5.0 Decreased, 2013-2018 Not available No change

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

21.6 14.7 16.7 15.1 Decreased, 2013-2018 Not available

Male

^{*}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 Howard County Trend Analysis Report

Male **Sexual Behaviors Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) 33.9 25.9 21.8 21.8 Decreased, 2013-2018 Not available§ No change QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) 70.8 70.4 73.8 71.0 No linear change Not available No change QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) 10.1 13.8 8.2 No linear change Not available Decreased

^{*}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.

				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	_		
	T: Perce											tile for l	oody ma	iss			
											13.2	11.2	11.9	13.2	No linear change	Not available [¶]	No change
	ESE: Pe								le for b	ody mas	ss index	, based	on sex-	and	,		
											8.5	10.5	9.5	9.7	No linear change	Not available	No change
QN67:	Percenta	age of st	udents v	vho des	cribed t	hemselv	es as sli	ghtly or	very ov	verweig	ht				,		
											19.7	18.6	19.1	18.2	No linear change	Not available	No change
		vas of at	udents v	who did	not drir	ık fruit j	uice (10	00% frui	t juices	one or i	more tir	nes duri	ing the 7	days			
	Percenta he surve		udonio,			J											

^{*}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.

[§]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.

ar change Not available [§] No change
ar change Not available No change
ill

^{*}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.

				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			
	: Percei juice, ap									or more	times p	er day (such as				
											37.6	30.5	28.6	28.8	Decreased, 2013-2018	Not available [§]	No change
QN71:	Percenta	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 su	ırvey)			
											36.0	37.7	42.2	44.8	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)			-
											34.6	35.8	35.9	41.4	Increased, 2013-2018	Not available	Increased
		<u> </u>	udonto	who did	not eat	carrote	(one or i	more tin	nes duri	ng the 7	days b	efore th	e survey	/)			
QN73:	Percenta	age of st	udents	wiio uiu	not cat	carrots	(Offic Of I	more un	iics duii	ing the /	aujoo			,			

^{*}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.

				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			
QN74: survey)	Percenta	age of st	udents	who did	not eat	other ve	getables	s (one o	r more t	imes du	ring the	7 days	before t	he			
											13.6	15.4	16.2	14.9	No linear change	Not available [§]	No change
	G0: Perc											ng Frenc	h fries,	fried	,		
											6.6	7.2	7.4	7.3	No linear change	Not available	No change
ONVE	G1: Perc																
French i	fries, frie	ea potat	oes, or p	otato ci	npsj, ca	11005, 01	Other v	egetaere	o, aarm	g the ,	aays se						

^{*}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.

				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	_ }		
QNVEO																	
											31.8	31.6	30.0	27.3	Decreased, 2013-2018	Not available§	No change
QNVEO [excludi survey)														the			
[excludi													s before	the 14.1	No linear change	Not available	No change
[excludi	ng Fren Percenta	age of st	fried po	who did	or potat	o chips]	, carrots	or glass	er veget	ables, d	luring t	ne 7 day 15.9	s before 14.3	14.1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth R	isk Beh	avior aı	nd Perc	entages	i					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														ay			
														ay 10.3	Decreased, 2013-2018	Not available [§]	No change
											efore th	e surve	y) ¹	•	Decreased, 2013-2018	Not available [§]	No change
(such as C	Coke, Po	epsi, or	Sprite,	not cou	nting di	et soda (or diet p	oop, duri	of soda o	7 days be	efore th	12.5	8.7 es per d	10.3	Decreased, 2013-2018	Not available [§]	No chang
(such as C	Coke, Po	epsi, or	Sprite,	not cou	nting di	et soda (or diet p	oop, duri	of soda o	7 days be	efore th	12.5	8.7 es per d	10.3	Decreased, 2013-2018	Not available [§]	No с

^{*}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.

Male Physical	Activity	7															
				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	-		
QN78: kind of p	physical	activity	that in														
·		•									51.0	44.9	48.1	51.8	No linear change	Not available [§]	No change
QNPA0 1 day (ir during th	n any kii	nd of ph	ysical a	ctivity t													
											12.6	15.4	15.5	10.8	No linear change	Not available	Decreased
QNPA7 kind of p	physical	activity	that in														
											29.1	23.8	25.3	28.5	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Male Physical	Activity	7		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>		
QN79:	Percent	age of s	tudents	who wa	tched te	levision	3 or mo	ore hour	s per da	y (on ar	n averag	ge schoo	ol day)				
											21.7	18.5	14.8	13.4	Decreased, 2013-2018	Not available [§]	No change
QN80: (counting Instagra	ig time s	spent on	things	such as	Xbox, P	layStati	on, an il	Pad or o	ther tab	let, a sn	nartpho	ne, texti	ng, Ŷot	Tube,			
											37.6	34.3	34.0	44.4	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 aı	n averag	ge			
											41.8	40.4	40.8	39.0	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

			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			
NDLYPE: Per				o attend	led phys	sical edu	cation (PE) clas	sses on	all 5 da	ys (in a	n averaş	ge			
eek when they	were in	(SCHOOL))							23.9	21.6	21.7	21.4	No linear change	Not available [§]	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Male Other **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 QN86: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey) 82.4 82.1 82.5 No linear change Not available§ No change QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental

QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma 24.6 26.5 27.0 23.8 No linear change Not available No change

1.5

1.6

1.3

No linear change

Not available

work)

No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Male

				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	_		
QN90:	Percenta	nge of st	tudents	who are	transge	nder							3.2	1.5	Decreased, 2016-2018	Not available [§]	Decreased
						cell pho			g (on at	least 1	day duri	ing the	30 days 30.3	33.0	No linear change	Not available	No change
QN94:	Percenta	age of st	tudents	who sm	oked a v	whole ci	garette l	efore a	ge 13 ye	ears (for	the first	t time) 5.4	6.3	2.9	Decreased, 2013-2018	Not available	Decreased
QN98: day duri						bacco in	a hooka	ıh, nargl	hile, or	other ty	pe of wa	iterpipe	(on at le	east 1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

te-Addo	ed			Н	ealth Ri	sk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
				who usu who ha							flavor v	with an e	electron	ic			
												94.1	96.3	97.0	No linear change	Not available§	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	,		
													8.3	13.1	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			
													18.1	11.1	Decreased, 2016-2018	Not available	Decreased
				s who us oducts, o										rs,			
- 5 /											14.0	9.7	6.9	3.3	Decreased, 2013-2018	Not available	Decreased

^{*}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 **Howard County Trend Analysis Report**

				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	_		
QN104: the surv	Percen	tage of	students	who tri	ed or us	sed toba	cco proc	lucts for	the firs	t time (d	during t	the 12 m	onths be	efore			
												7.0	5.7	5.0	No linear change	Not available [§]	No change
QN106:	Percen	tage of	students	who liv	e with	someone	e who no	ow smol	kes ciga	rettes or	cigars	.	,				
											24.6	24.8	19.8	17.0	Decreased, 2013-2018	Not available	No change
	Percen									home is	s that si	moking	is not				
													86.8	89.2	No linear change	Not available	No change

No linear change

15.7 17.6

during the 7 days before the survey)

No change

Not available

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

				Не	ealth Ri	sk Beha	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN110:		tage of	students	who we	ere taug	ht in the	ir classe	es about	the dan	gers of t	obacco	use (di	iring the	e last			
school y	ear)																
											65.5	64.3	62.8	56.3	Decreased, 2013-2018	Not available§	No change
						,									Decreased, 2013-2018	Not available [§]	No change
QN117: friends	Percen	tage of	students	who say	y defini	tely yes	or prob	ably yes	that yo						Decreased, 2013-2018	Not available [§]	No change
-	Percen	tage of	students	who say	y defini	tely yes	or proba	ably yes	that yo	oung peo					Decreased, 2013-2018 Increased, 2013-2018	Not available [§] Not available	No change
friends	ļ		·							oung peo	ple who	o smoke	2 have n	39.4			
-	Percen		·							oung peo	ple who	o smoke	2 have n	39.4			

77.1 77.9 77.5 80.1 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

No change

Not available

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

[§]Not enough years of data to calculate.

Female Injury an	d Viole	ence															
				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>		
QN9: P							ho had l	oeen dri	nking al	lcohol (i	in a car	or other	vehicle	e, one			
											16.3	16.0	10.3	11.4	Decreased, 2013-2018	Not available [§]	No change
QN10: times du	ring the	30 day	s before														•
anys ser		Jul (6))									5.9	4.9	2.4	2.1	Decreased, 2013-2018	Not available	No change
QN11: the 30 d survey)															,		
3,											33.4	23.5	25.4	28.1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Temale njury an	d Viole	ence		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			
QN13: day duri						eapon o	n schoo	l proper	ty (such	as a gu	n, knife	, or club	o, on at	east 1	,		
day duri	ing the s	o days i	before u	ie sui ve	:y)						1.9	1.6	2.6	1.8	No linear change	Not available [§]	No change
QN14: or for a													for hur	nting			
													1.6	0.8	No linear change	Not available	No change
QN16: 3										on scho	ol prope	erty (suc	h as a g	un,			
											5.2	4.2	5.2	3.6	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Female Injury an	nd Viole	ence		Н	ealth R	isk Beha	avior aı	nd Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN18: months				who we	re in a p	hysical :	fight on	school	property	(one o	r more t	times du	ring the	5.3	No linear change	Not available [§]	No change
QN22: someone with an went ou	e they w object o	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	ng, or i	njured			
											9.3	7.6	7.3	6.1	Decreased, 2013-2018	Not available	No change
QN23:	Percenta	age of st	tudents	who we	re bullie	d on sch	nool pro	perty (e	ver duri	ng the 1	2 mont	hs befor	e the su	rvey)			
											20.7	19.5	17.6	18.2	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Temale Injury 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	_		
QN24: 1 Faceboo											d throug	gh textir	ıg, Insta	ıgram,			
											17.0	14.9	15.6	15.8	No linear change	Not available [§]	No change
QN25: I											eks in a	row so	that the	УУ			
											29.3	29.7	33.7	37.4	Increased, 2013-2018	Not available	No change
QN26: 1	Percenta	age of st	tudents	who ser	iously c	onsidere	d attem	pting su	icide (e	ver duri	ing the	12 mont	hs before	re the			
											18.0	19.0	20.5	22.3	Increased, 2013-2018	Not available	No change
QN27: I			tudents	who ma	de a pla	n about	how the	y would	l attemp	t suicid	e (durin	ig the 12	2 month	S			
											14.4	13.5	17.3	19.3	Increased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

emale 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 o	lay duri	ng the 3	30 days	before t	he			
											5.5	4.2	2.9	1.3	Decreased, 2013-2018	Not available [§]	Decreased
		rcentage survey)		ents wh	o curren	ntly smo	ked ciga	rettes fi	requentl	y (on 20	or moi	re days	during tl	he 30			,
uu y		<i>501 (0)</i>									1.2	0.9	0.5	0.3	Decreased, 2013-2018	Not available	No change
	CIG: I		ige of st	udents v	vho curi	rently sn	noked ci	igarettes	s daily (on all 30	0 days d	luring th	ie 30 da	ys			,
											0.8	0.7	0.2	0.1	No linear change	Not available	No change
	es, vapi	ing pens				nn electron h pens [
												30.9	24.6	35.1	Increased, 2014-2018	Not available	Increased

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

[§]Not enough years of data to calculate.

obacco	C S C			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>		
e-pipes,	vape pi	pes, vap	ing pen	s, e-hoo	kahs, ar	sed an e nd hooka he 30 da	h pens	[such as	blu, NJ								
												15.2	6.4	19.6	Increased, 2014-2018	Not available [§]	Increased
	VP: Pe				io currei	ntly used	l electro	nic vap	or produ	icts freç	quently ((on 20 o	or more	days			,
												0.7	0.2	2.5	Increased, 2014-2018	Not available	Increased
	YEVP:			tudents	who cur	rently us	sed elect	tronic v	apor pro	oducts d	aily (on	all 30 c	lays dui	ring			
												0.4	0.1	1.5	Increased, 2014-2018	Not available	Increased
				s who c		smoked	cigaret	tes or u	sed elec	tronic v	apor pro	oducts ((on at le	east 1			
•	-	•			-							16.3	8.3	19.7	Increased, 2014-2018	Not available	Increased

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

[§]Not enough years of data to calculate.

Female Tobacco	Use			Н	ealth R	isk Beh	avior aı	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	201	8		
dissolva		acco pro	ducts [s	uch as C	Copenha	igen, Gr	izzly, Sl	obacco (koal, or (survey)						onic	No linear change	Not available [§]	No change
	Percenta the 30 da				rently s	moked o	eigars (c	igars, ci	garillos	or little	e cigars	5, on at le	east 1 d	ay 2.0	Decreased, 2013-2018	Not available	Decreased
	2: Percei		student	s who c	urrently	smoked	d cigaret	ttes or ci	gars (or	n at leas	t 1 day	during t	he 30 d	ays			

^{*}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 Alcohol a	nd Oth	er Drug	g Use	Н	ealth Rì	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	2013	8		
QN40:	Percenta	age of st	tudents v	who had	their fi	rst drink	of alco	hol befo	ore age	13 years	s (other	than a fe	ew sips))			
											10.7	11.0	9.5	9.7	No linear change	Not available§	No change
QN41: the 30 d				who cur	rently d	rank alc	ohol (at	least or	ne drink	of alcol	hol, on a	at least 1	day du	ıring			
											29.5	26.6	23.5	24.0	Decreased, 2013-2018	Not available	No change
QN42: female s	tudents	or five	or more	drinks o	of alcoho												
													11.7	11.7	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Female Alcohol a	and Oth	er Drug	g 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	•		
QN45:	Percent	age of s	tudents	who eve	er used r	narijuan	a (one c	or more	times du	iring the	eir life)						
											23.7	25.0	22.0	26.4	No linear change	Not available [§]	No change
QN46:	Percent	age of s	tudents	who trie	d mariji	uana for	the first	t time be	efore ag	e 13 yea	ars			:			
											2.8	2.1	2.4	2.4	No linear change	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	0 days b	efore th	ie			,
Sur (0))											12.9	13.2	12.6	13.1	No linear change	Not available	No change
QN48:	Percent	age of s	tudents	who eve	er used s	ynthetic	marijua	ana (one	e or mor	e times	during	their life	e)				
												4.2	3.0	3.5	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	alth Ri	isk Beha	wior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
differen	tly than	how a d	loctor to	who eve old them e or mor	to use it	t (counti	ing drug	s such a									
													10.8	12.4	No linear change	Not available [§]	No change
	Percenta nore tim			who ever	r used c	ocaine (any forr	n of coc	caine, in	cluding	powder	r, crack,	or freel	oase,			
											2.5	2.6	2.3	2.1	No linear change	Not available	No change
	Percenta		tudents	who eve	r used h	eroin (a	lso calle	ed "smac	ck," "jur	nk," or "	'China V	White,"	one or r	nore	,		;
			tudents	who eve	r used h	eroin (a	lso calle	ed "smac	ck," "jur	nk," or "	'China V	White," o	one or r	nore	No linear change	Not available	Decreased
QN53:	ring the	eir life) age of si	udents	who even	r used m	nethamp					1.6	1.1	1.6	0.6	No linear change	Not available	Decreased

^{*}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 Alcohol a	ınd Oth	er Druş	g Use														
				H	ealth Ri	isk Beh	avior aı	nd Perc	entages	•					Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54:	Percenta	age of s	tudents	who eve	r used e	ecstasy (also cal	led "ME	OMA," o	one or m	ore tim	es durin	g their	life)			
											4.2	2.9	1.8	1.4	Decreased, 2013-2018	Not available [§]	No change
QN56: body, or						ed any il	llegal dr	ug (used	d a need	lle to inj	ect any	illegal o	lrug into	o their	,		
3,			C		,						1.7	1.2	1.6	1.5	No linear change	Not available	No change
QN57:				who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool proj	perty (di	uring th	e 12			
months	before tl	he surve	ey)								22.3	23.2	20.6	21.2	No linear change	Not available	No change

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

Not enough years of data to calculate.

Female Sexual B	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	3		
QN58:	Percenta	age of s	tudents	who eve	er had se	xual int	ercourse	e		,	22.2	20.7	20.3	19.9	No linear change	Not available [§]	No change
QN59:	Percenta	age of s	tudents	who had	l sexual	intercou	irse for	the first	time be	fore ag	e 13 yea	nrs					
											1.5	1.7	1.1	1.3	No linear change	Not available	No change
QN60:	Percenta	age of s	tudents	who hac	l sexual	intercou	ırse witl	n four o	r more p	ersons	during	their life)				
											5.0	4.3	3.3	3.0	Decreased, 2013-2018	Not available	No change
QN61: during t						ntly sexu	ually act	tive (had	d sexual	interco	ourse wi	th at lea	st one p	erson,			
											16.2	15.6	15.5	15.9	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

emale Sexual Be	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: 1 who wer					nk alcol	nol or us	sed drug	s before	e last sex	xual inte	ercourse	e (amon	g studer	nts			
											22.6	24.6	16.5	20.1	No linear change	Not available§	No change
QN63: 1				who use	d a con	dom dur	ring last	sexual i	intercou	rse (am	ong stu	dents w	no were				
											63.9	59.6	61.3	57.8	No linear change	Not available	No change
				who use			oills bef	ore last	sexual i	ntercou	rse (to p	prevent	pregnan	cy,			
											25.1	27.5	24.3	26.7	No linear change	Not available	No change
QNIUDI or Nexpl active)																	
2011 (0)											1.5	2.1	2.1	5.5	Increased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	sk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
control 1	ring (suc	Percenta ch as Nu lly active	vaRing)														
											3.6	3.7	3.1	1.4	No linear change	Not available§	No change
	11101 .			1 .		111.1	. 1		TID /	, ,,		D 0	1\		·		
implant control 1	(such as ring (suc	Percenta s Implan ch as Nu lly active	on or N vaRing	explano	n); or a	shot (su	ch as D	epo-Pro	vera), p	atch (su	ch as C)rthoEv	ra), or b		No linear change	Not available	No change
implant control recurrently QNDUA pills; an Depo-Pr	(such as ring (such y sexual ALBC: IUD (such rovera),	s Implan ch as Nu	on or N vaRing)	explano) before udents v r ParaGa OrthoEv	who useard) or i	shot (su ual inter	condon (such as	to prevo	g last sex on or No	atch (su nancy, a	30.2 ercoursen); or a	orthoEv student 33.2 e and bi	ra), or b s who w 29.4 rth cont	33.6 rol	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Female Sexual Behaviors Linear Change* **Health Risk Behavior and Percentages** Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 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§ 7.7 10.0 13.9 9.2 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)

8.2

9.4

11.1 Increased, 2014-2018

Not available

No change

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

Not enough years of data to calculate.

				Н	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	_		
						erweigh data fro						tile for l	oody ma	ss			
											10.5	11.4	11.3	14.1	Increased, 2013-2018	Not available¶	No change
QNOBE	ESE: Pe	rcentage	e of stud	lents wh	o had ol	besity (>	>= 95th	percenti	le for bo	odv mas	es indev	based	on sex-	and			
ige-spec		erence d				growth				o a y 111a.	55 IIIGCA	, ouseu	on sex	ana			
ige-spec		erence d									3.1	4.4	4.6	5.1	No linear change	Not available	No change
	eific refe	·	ata from	n the 200	00 CDC		charts) [§]			,	3.1				No linear change	Not available	No change
	eific refe	·	ata from	n the 200	00 CDC	growth	charts) [§]			,	3.1				No linear change No linear change	Not available Not available	No change
QN67:	Percenta	age of st	ata from	who des	00 CDC	growth	charts) [§] es as sli	ghtly or	very ov	verweigl	3.1 ht 29.3	27.5	25.7	5.1			

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

[§]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 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	_		
QN70:	Percenta	age of st	udents v	who did	not eat f	fruit (on	e or mo	re times	during	the 7 da	ıys befo	ore the si	ırvey)				
											8.5	8.9	9.6	7.7	No linear change	Not available§	No change
QNFR(d not ea		r drink	100% fr	uit juice	es (such	as oran	ge juice	apple j	uice,	,		,
		աւաջ ա	e / uays	belore	me surv	ey)											
or grape	juice, c	Ü	·								4.8	4.2	5.7	4.1	No linear change	Not available	No change
or grape	: Percei	ntage of			e fruit o					r more				4.1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Veight N	иападе	ment an	d Dieta	-		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	_		
							100% fi ays befo			or more	times p	er day (such as				
											37.5	31.2	29.9	30.5	Decreased, 2013-2018	Not available [§]	No change
QN71:	Percent	age of st	udents v	who did	not eat	green sa	ılad (one	e or moi	re times	during	the 7 da	ıys befo	re the si	ırvey)	,		
											26.0	30.7	36.0	34.5	Increased, 2013-2018	Not available	No change
QN72:	Percent	age of st	udents v	who did	not eat	potatoe	s (one or	r more t	imes du	ring the	7 days	before t	he surv	ey)			
											37.1	41.0	40.1	45.6	Increased, 2013-2018	Not available	Increased
QN73:	Percent	age of st	udents v	who did	not eat	carrots	(one or i	more tin	nes duri	ng the 7	7 days b	efore th	e survey	y)	+		:
-																	

^{*}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.

Veight N	ranager	nent an	a Dieta	•		isk Beh	avior ar	nd Perco	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN74: survey)	Percenta	age of st	udents v	who did	not eat	other ve	getables	s (one o	r more t	imes du	iring the	7 days	before	the			
•											9.1	11.5	12.8	11.3	No linear change	Not available [§]	No change
QNVEO											rvey)				N. Paradaga	Not and Table	N. d
											3.2	4.3	5.6	3.7	No linear change	Not available	No change
QNVEO																	

^{*}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.

				Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_ }		
QNVEG French f																	
											32.4	29.5	28.2	26.2	Decreased, 2013-2018	Not available§	No change
QNVEG [excludi survey)														the 13.5	No linear change	Not available	No change
[excludi	ng Fren	ch fries,	fried po	otatoes,	or potat	o chips]	, carrots	s, or oth	er veget	ables, d	luring tl	ne 7 day	s before 13.3	13.5	No linear change	Not available	No ch

^{*}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.

									entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018
1991 199	3	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
ONSODA1: such as Coke														3.9	Decreased, 2013-2018	Not available [§]	Decreased
		:							C 1				es per da				

^{*}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 Physical A	Activity	7															
				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		
QN78: I kind of p	physical	activity	that in														
											40.1	31.2	33.0	41.0	No linear change	Not available [§]	Increased
QNPA01 1 day (ir during th	n any kii	nd of ph	iysical a	ctivity t											,		,
											18.3	22.5	23.0	18.9	No linear change	Not available	No change
QNPA7 kind of p	physical	activity	that in														
											16.3	14.5	14.9	19.0	Increased, 2013-2018	Not available	Increased

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

[§]Not enough years of data to calculate.

Female Physical	Activity	7		Н	ealth R	isk Beha	avior ar	ıd 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>		
QN79:	Percenta	age of s	tudents	who wat	tched te	levision	3 or mo	re hours	s per da	y (on ar	n averag	e schoo	l day)				
											22.3	19.2	16.0	18.0	Decreased, 2013-2018	Not available§	No change
QN80: (counting Instagra	ng time s	spent on	things	such as 2	Xbox, P	layStati	on, an iI	ad or o	ther tab	let, a sn	nartphor	ne, texti	ng, You chool da	Tube,	No linear change	Not available	No change
QN81: week w					ended pl	nysical e	education	n (PE) c	lasses o	on 1 or r	more day	ys (in ar 21.7	averag	ge 22.2	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

														2016-2018 [†]
1995 1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
		o attende	ed physic	cal educ	cation (I	PE) clas	ses on a	all 5 da	ys (in aı	n averag	ge			
								14.6	13.0	11.2	13.8	No linear change	Not available [§]	No change
	entage of stu		entage of students who attende	entage of students who attended physic	entage of students who attended physical educ	rentage of students who attended physical education (rentage of students who attended physical education (PE) class	rentage of students who attended physical education (PE) classes on a	ventage of students who attended physical education (PE) classes on all 5 dayere in school)	rentage of students who attended physical education (PE) classes on all 5 days (in a were in school)	rentage of students who attended physical education (PE) classes on all 5 days (in an average vere in school)	rentage of students who attended physical education (PE) classes on all 5 days (in an average were in school)	rentage of students who attended physical education (PE) classes on all 5 days (in an average were in school)	rentage of students who attended physical education (PE) classes on all 5 days (in an average were in school)

^{*}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.

e of stud		1999	2001	2003	2005		entages						Linear Change*	Quadratic Change*	Change from
e of stud			2001	2003	2005	2005									2016-2018 [†]
	dents wl					2007	2009	2011	2013	2014	2016	2018	_		
uns bero	ore the s		a dentis	st (for a	check-u	ıp, exam	n, teeth o	cleaning	g, or oth	er denta	ıl work,				
										83.2	84.6	82.7	No linear change	Not available§	No change
entage	of stude	ents who	o never	saw a c	lentist (f	for a che	eck-up,	exam, te	eeth cle	aning, o	or other	dental			
										0.4	1.3	1.6	Increased, 2014-2018	Not available	No change
of stu	donte vil	ho had a	aver bee	on told l	by a doa	otor or n	uraa tha	et though	od octhr						
e or stud	uents wi	no nad e	ever bee	en toid t	ру а дос	ctor or n	urse tha	-		na 22.1	21.8	20.9	No linear change	Not available	No change
									of students who had ever been told by a doctor or nurse that they h		0.4 of students who had ever been told by a doctor or nurse that they had asthma	0.4 1.3 of students who had ever been told by a doctor or nurse that they had asthma	of students who had ever been told by a doctor or nurse that they had asthma	0.4 1.3 1.6 Increased, 2014-2018 of students who had ever been told by a doctor or nurse that they had asthma	0.4 1.3 1.6 Increased, 2014-2018 Not available of students who had ever been told by a doctor or nurse that they had asthma

^{*}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 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	8		
QN90: 1	Percenta	age of st	tudents	who are	transge	nder							1.9	1.2	No linear change	Not available [§]	No change
QN93: 1 before th									g (on at	least 1	day dur	ing the	30 days 22.9	35.3	Increased, 2016-2018	Not available	Increased
QN94:	Percenta	age of st	tudents	who smo	oked a v	vhole ci	garette b	efore a	ge 13 ye	ears (for	the firs	t time)					
											2.9	2.4	2.8	1.4	Decreased, 2013-2018	Not available	Decreased
QN98: day duri						pacco in	a hooka	ıh, narg	hile, or	other ty	pe of wa	aterpipe	(on at l	least 1			
													3.3	1.5	No linear change	Not available	Decreased

^{*}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.

emale ite-Adde	ed																
				Н	ealth Ri	sk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN99: 1 vapor pr											flavor v	with an o	electron	ic			
												95.0	93.8	96.6	No linear change	Not available§	No change
QN101: oil, or T			students	s who ha	ave ever	used an	electro	nic vapo	or produ	ct to sm	noke ma	rijuana,	THC o	r hash			
													4.7	12.4	Increased, 2016-2018	Not available	Increased
QN102: little cig		_		s who th	ink they	definite	ely or pr	obably	will smo	oke a ci	garette,	cigar, c	igarillo,	or			
													10.8	8.4	No linear change	Not available	No change
QN103: flavored survey)	Percei smoke	ntage of less tob	students	s who us	sed flavo or both, r	ored toba	acco pro	oducts (f	lavored garettes.	cigars, during	cigarille the 30	os, or lit	tle ciga fore the	rs,			
• /											7.2	7.4	3.1	1.8	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Female

				Н	ealth R	isk Beha	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991 1	993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN104: Pethe survey)		age of	students	who tri	ed or us	sed tobac	eco proc	lucts for	the firs	t time (luring tl	he 12 m	onths b	efore			
												8.8	4.3	6.3	Decreased, 2014-2018	Not available§	Increased
QN106: Pe	ercent	age of	students	who liv	ve with	someone	who no	ow smol	kes ciga	rettes or	cigars						
											25.4	24.9	20.5	20.3	Decreased, 2013-2018	Not available	No change
QN107: Peallowed an										home i	s that sn	noking	is not				
													86.2	87.5	No linear change	Not available	No change
QN108: Po					ere in th	e same i	room wi	th some	eone wh	o was si	noking	(on at 1	east one	day			
													18.0	19.0	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Female Site-Adde	ed																
				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		
QN110: school y		tage of	students	who w	ere taug	ht in the	eir classe	es about	the dan	gers of	tobacco	use (dı	iring the	last			
											66.4	61.0	61.0	58.6	Decreased, 2013-2018	Not available [§]	No change
QN117: friends	Percen	tage of	students	who sa	y defini	tely yes	or prob	ably yes	s that yo	ung pec	ple wh	o smoke	have m	nore			
											27.3	24.3	24.7	34.3	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 r	nakes y	oung pe	ople lo	ok			
											15.2	12.5	16.8	23.2	Increased, 2013-2018	Not available	Increased
QN119: parents i								eeking h	nelp fron	n one or	more a	dults be	esides th	eir			
											79.9	80.1	80.5	79.7	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

White* njury ar	nd Viol	ence		_													
				Н	lealth R	kisk Beł	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN9: Pe							ho had l	een dri	nking al	lcohol (i	in a car	or other	vehicle	e, one			
or			e e e unj	5 0 01010		,					16.4	16.4	10.8	12.0	Decreased, 2013-2018	Not available¶	No change
QN10: I times du days befo	ring the	30 days															1
J		,									8.8	5.3	4.3	4.0	Decreased, 2013-2018	Not available	No chang
QN11: I the 30 da survey)																	
											41.8	30.1	30.9	32.5	Decreased, 2013-2018	Not available	No chang

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

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

Injury a	nd Viol	ence		H	lealth R	Risk Beh	navior a	nd Per	centage	es					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN13: 1						eapon o	n school	l proper	ty (such	ı as a gı	ın, knife	e, or clu	o, on at	least 1	•		
day dum	ng me s	ou days i	before u	ie sui ve	у)						1.9	1.7	2.7	2.5	No linear change	Not available¶	No change
															-		
QN14: l or for a s													for hui	nting	No linear change	Not available	No chang
	sport such	ch as tar	rget shoo	oting, or	at leas	t 1 day of	during the	me 12 m	onths be	efore the	e survey	<i>(</i>)	2.4	1.5	No linear change	Not available	No chang

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

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

				Н	lealth R	Risk Beh	navior a	nd Pero	centages	i					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percenta before the		udents v	who wer	e in a p	hysical	fight on	school j	property	(one or	more t	imes du	ring the	12			
montins	octore a	ne sui ve	<i>y)</i>								6.9	4.3	5.9	6.0	No linear change	Not available¶	No chang
ONICO	Percenta	age of st	udents v	who exp													
someon with an	e they w object o	r weapo	ng or go n] one o during tl	or more t	times du	aring the	e 12 moi	nths bef									
someon with an	e they w object o	r weapo	n] one o	or more t	times du	aring the	e 12 moi	nths bef							No linear change	Not available	No chang
someon with an went ou	e they w object o t with so	r weapo omeone	n] one o	or more the 12 m	times du onths be	aring the	e 12 more e survey	nths bef	ore the s	urvey,	among 6.7	5.5	who da	ted or 6.9	No linear change	Not available	No chan

^{*}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* njury a	nd Viol	ence															
				I	Health F	Risk Bel	navior a	nd Per	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
		age of st her socia									d throug	gh textir	ıg, Insta	gram,			
											14.0	12.6	13.2	14.0	No linear change	Not available¶	No chang
QN25:	Percenta doing s	age of st	tudents	who felt	sad or l	nopeless g the 12	s (almos months	t every of before	day for the surv	>=2 we rey)	eks in a	row so	that the	у			
											21.7	22.0	23.1	26.4	Increased, 2013-2018	Not available	No chang
N26: 1	Percenta	age of st	tudents	who seri	iously c	onsidere	ed attem	pting su	icide (e	ver duri	ng the	12 mont	hs befo	re the			
											12.9	13.8	14.1	15.6	No linear change	Not available	No chang
	Percenta he surve	age of st	tudents	who ma	de a pla	n about	how the	y would	l attemp	t suicid	e (durin	ig the 12	2 month	S			
											10.4	10.6	9.6	13.6	No linear change	Not available	Increase

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

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

White* Tobacco	Use																
				H	Health F	Risk Bel	havior a	nd Per	centage	es					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN32: F survey)	Percenta	age of s	tudents	who cur	rently s	moked c	cigarette	s (on at	least 1	day duri	ing the	30 days	before	he			
											7.3	5.2	3.6	2.0	Decreased, 2013-2018	Not available¶	No change
QNFRCI			of stud	ents who	o curren	ntly smo	ked ciga	arettes fi	requentl	y (on 20	or mo	re days	during t	he 30			
											1.7	1.6	1.0	0.0	Not available	Not available	Not availab
QNDAY before th			ige of st	udents v	vho curi	rently sn	noked c	igarettes	s daily (on all 3	0 days o	during th	ne 30 da	ys			
											1.2	1.1	0.9	0.0	Not available	Not available	Not availab
QN34: F vape pipe eGo, and	es, vapi	ing pens															
,	1/											30.7	24.8	38.9	Increased, 2014-2018	Not available	Increased

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

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

Maryland High School Survey Howard County Trend Analysis Report

White* **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 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) 15.9 8.1 24.8 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) 1.5 0.8 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) Not available 1.1 0.8 2.8 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) 17.1 Increased, 2014-2018 Not available 9.9 24.9 Increased

^{*}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 Howard County Trend Analysis Report

White* **Tobacco Use Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) 4.2 1.3 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) 9.3 5.8 6.4 Decreased, 2013-2018 Not available Decreased QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) Not available 12.4 8.2 7.8 3.8 Decreased, 2013-2018 Decreased

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

White* Alcohol and Oth	er Drug U	Jse	Н	ealth R	Risk Bel	havior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991 1993	1995 19	97	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40: Percentag	ge of stude	ents w	ho had	their fi	rst drinl	c of alco	hol befo	ore age	13 years	(other	than a fe	ew sips))			
										11.3	9.9	10.6	7.7	Decreased, 2013-2018	Not available¶	No change
QN41: Percentage the 30 days before			ho curr	ently d	rank alc	cohol (at	least or	e drink	of alcol	nol, on a	nt least 1	day du	ıring			
·										34.3	28.9	30.8	28.8	No linear change	Not available	No change
QN42: Percentag	or five or n	nore d	rinks o	f alcoh												
day during the 30	J days bere	ne une	survey	y)												

^{*}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.

reonor	and Otl	ici Di u	g obc	H	Iealth F	Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN45:	Percenta	age of st	udents v	who eve	r used r	narijuan	ia (one c	or more	times du	ring the	eir life)						
											28.1	22.9	24.9	27.0	No linear change	Not available [¶]	No chang
QN46:	Percenta	age of st	udents v	who trie	d mariji	uana for	the first	t time b	efore ag	e 13 ye:	ars	•					
											3.3	1.9	2.6	1.7	No linear change	Not available	No chang
QN47: survey)	Percenta	age of st	udents	who cur	rently u	sed mar	ijuana (d	one or n	nore tim	es durii	ng the 3	0 days b	pefore th	ne			
											15.9	12.3	15.7	15.0	No linear change	Not available	No chang
QN48:	Percenta	age of st	udents v	who eve	er used s	ynthetic	marijua	ana (one	e or mor	e times	during	their life	e)				
												4.4	3.1	4.4	No linear change	Not available	No chan

^{*}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.

	and Otl		g cae	H	Iealth R	Risk Bel	avior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
differen	tly than	how a d	octor to	who eve ld them e or mor	to use i	t (count	ing drug	s such a									
													9.7	6.4	Decreased, 2016-2018	Not available [¶]	Decrease
	Percenta			who eve	r used c	cocaine (any fori	n of coo	caine, in	cluding	powder	r, crack,	or freel	oase,			
			_								3.2	2.2	1.6	1.8	No linear change	Not available	NT 1
											3.2	2.2	1.0	1.0	110 meur emunge	1 (of available	No chang
QN52:			udents v	who eve	r used h	neroin (a	lso calle	ed "smac	ck," "jur	nk," or "					- Committee Committee	Tiot ununuote	No chang
QN52:	Percenta uring the		udents v	who eve	r used h	neroin (a	lso calle	ed "smad	ck," "jur	nk," or "					No linear change	Not available	No chang
QN52: times d	ring the	ir life) age of st	udents v	who eve	er used n	nethamp				·	'China V	White," (one or n	nore 0.9			

^{*}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.

				I	Iealth R	Risk Beh	avior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN54:]	Percenta	age of s	tudents	who eve	r used e	cstasy (also call	ed "MD	MA," o	ne or n	ore tim	ies durii	ng their	life)			
											4.9	3.4	2.2	1.4	Decreased, 2013-2018	Not available¶	No chang
						ed any il	legal dr	ug (used	l a need	le to inj					Decreased, 2013-2018	Not available [¶]	No chang
QN56: I						ed any il	legal dr	ug (used	l a need	le to inj					Decreased, 2013-2018 No linear change	Not available [¶] Not available	No chang
body, or	e or mo	ore time	s during	their lif	Fe)				,		ect any	illegal	drug int	o their			
	e or mo	age of s	s during	their lif	Fe)				,		ect any	illegal	drug int	o their			

^{*}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 **Howard County Trend Analysis Report**

White*

Sexual F	senavio.	rs		H	Health F	Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN58:	Percent	age of s	tudents	who eve	er had se	exual int	ercourse				26.6	20.9	22.2	20.1	Decreased, 2013-2018	Not available [¶]	No change
QN59:	Percent	age of s	tudents	who had	l sexual	intercou	irse for t	he first	time be	fore age	e 13 yea	rs 1.2	1.0	0.6	No linear change	Not available	No change
QN60:	Percent	age of s	tudents	who had	l sexual	intercou	ırse with	four or	more p	ersons	during t	heir life 4.6	4.1	2.6	Decreased, 2013-2018	Not available	No change
QN61: during t						ntly sexu	ually act	ive (hac	l sexual	interco	urse wit	th at leas	st one pe	erson,	No linear change	Not available	No change

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

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

White* Sexual B	ehavior	rs		H	Iealth R	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN62: 1 who wer					nk alcol	nol or us	sed drug	s before	last sex	tual inte	rcourse	e (amon	g studei	nts			
				,													
											28.8	27.0	21.9	19.2	No linear change	Not available¶	No chang
QN63: 1				who use	d a cond	dom dur	ing last	sexual i	ntercou	rse (amo		dents w		:	No linear change No linear change	Not available¶	No chang
currently	y sexual	ly active	e) udents v	,	,	dom dur					ong stud	dents w	ho were	72.4			

^{*}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.

				H	lealth R	Risk Bel	navior a	nd Per	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	Γ: Perceased on											tile for l	oody ma	iss			
											9.7	9.2	9.0	9.9	No linear change	Not available	No chang
	ESE: Pe								ile for b	ody mas							
									ile for b	ody mas	ss index	, based 5.2	on sex-	and 5.1	No linear change	Not available	No chan
ige-spec		erence d	ata from	the 200	00 CDC	growth	charts)	ſ			5.4				No linear change	Not available	No chang
ige-spec	eific refe	erence d	ata from	the 200	00 CDC	growth	charts)	ſ			5.4				No linear change	Not available Not available	No chan
QN67:	eific refe	age of st	ata from	who des	cribed t	growth	charts)	ghtly or	· very ov	verweig	5.4 ht 23.3	5.2	20.9	5.1			

^{*}Non-Hispanic

 $^{^{\}dagger}$ 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.

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.

				H	Iealth R	disk Beh	avior a	nd Pero	centages	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
)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)				
											6.7	8.0	8.3	6.9	No linear change	Not available¶	No chan
						nt fruit o	r drink 1	100% fr	uit juice	es (such	as oran	ge juice	, apple	juice,			
					id not ea		r drink 1	100% fr	uit juice	es (such	as oran	ge juice	, apple 5.6	juice,	No linear change	Not available	No chanş
r grape	juice, d	uring th	e 7 days	s before	the surv	/ey)					3.5	5.0	5.6		No linear change	Not available	No chan
r grape ONFR1:	juice, d	uring th	e 7 days	s before	the surv		100% fr	ruit juice	es one o		3.5	5.0	5.6		No linear change	Not available	No chan

^{*}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.

				I	Health I	Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	2: Percei juice, ap									or more	times p	er day (such as				
											38.5	32.2	31.6	33.2	No linear change	Not available [¶]	No chang
QN71:	Percenta	age of st	udents	who did	l not eat	green sa	alad (one	e or moi	re times	during	the 7 da	ys befo	re the si	urvey)	,		,
											25.2	28.7	31.8	35.9	Increased, 2013-2018	Not available	No chang
QN72:	Percent	age of st	udents	who did	l not eat	potatoe	s (one or	r more t	imes du	ring the	7 days	before t	he surv	ey)			·
											31.7	33.2	32.9	45.7	Increased, 2013-2018	Not available	Increase
	Danasant	age of st	udents	who did	l not eat	carrots	(one or i	more tin	nes duri	ng the 7	days b	efore th	e survey	y)	,		,
QN73:	Percent																

^{*}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.

995 1997 of students	1999 who did	2001 not eat o	2003 other ve	2005	2007	2009 r more t	2011		e 7 days	-		No linear change	Not available¶	No change
of students	who did	not eat o	other ve	egetables	s (one or	r more t	imes du		•			No linear change	Not available¶	No change
								8.6	11.3	11.4	8.9	No linear change	Not available¶	No change
											0.7	1.5 Iniour change	110t available	8
tage of stude chips], carro									ng Fren	ch fries,	fried 4.3	No linear change	Not available	No chang
potatoes, or p	otato ch	nips], car	rrots, or	other v	egetable	es, durin	ng the 7	days b	efore the	survey)			
ta	age of stude	age of students who	age of students who ate veg	age of students who ate vegetables	age of students who ate vegetables one or n	age of students who ate vegetables one or more time	age of students who ate vegetables one or more times per d	age of students who ate vegetables one or more times per day (gre	age of students who ate vegetables one or more times per day (green salac	3.0 4.0 age of students who ate vegetables one or more times per day (green salad, potato	3.0 4.0 4.3 age of students who ate vegetables one or more times per day (green salad, potatoes [excl		3.0 4.0 4.3 4.3 No linear change age of students who ate vegetables one or more times per day (green salad, potatoes [excluding	3.0 4.0 4.3 4.3 No linear change Not available age of students who ate vegetables one or more times per day (green salad, potatoes [excluding

^{*}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.

				H	lealth R	disk Bel	navior a	nd Per	centage	es					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNVEC																	
											33.2	30.6	30.2	26.4	Decreased, 2013-2018	Not available¶	No change
QNVEC [excludi survey)														e the			
[excludi												ne 7 day		e the 11.0	No linear change	Not available	No chang
[excludi survey) QN75:		ch fries,	, fried po	otatoes,	or potat	o chips]	, carrots	or glass	er veget	a or pop	luring t	13.3	s before	11.0	No linear change	Not available	No chan

^{*}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.

			H	lealth R	Risk Beh	navior a	nd Pero	centages	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991 1993	3 1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNSODA1: such as Coke													ıy			

^{*}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* Physical	Activit	y															
				H	Iealth R	Risk Beh	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN78: kind of p	physical	activity															
											52.3	43.8	47.8	54.0	No linear change	Not available¶	Increased
QNPA0 1 day (ir during tl	n any kii	nd of ph	ysical a	ctivity t													
											11.0	14.5	13.6	10.3	No linear change	Not available	No change
QNPA7 kind of p	physical	activity															
											26.3	22.6	23.8	27.3	No linear change	Not available	No change

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

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

hysical Activi	ity		H	lealth R	lisk Beh	avior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN79: Percen	tage of s	tudents v	who wat	ched tel	evision	3 or mo	re hours	s per da	y (on ar	n averag	e schoo	l day)				
										17.5	14.2	13.3	12.7	Decreased, 2013-2018	Not available [¶]	No chang
QN80: Percen counting time Instagram, Fac	spent on	things s	such as 2	Kbox, Pl	layStatio	on, an iF	ad or o	ther tabl	let, a sn	nartphoi	ne, texti	ng, You	Tube,	No linear change	Not available	Increase
counting time	spent on sebook, o	things s r other s tudents v	such as 2 ocial me	Kbox, Pledia, for	layStation someth	on, an iF ing that	Pad or of was not	ther tabl	let, a sm work, o	nartphoi on an av 31.5	ne, texti verage s 33.0	ng, You chool d	aTube, ay) 37.5	No linear change	Not available	Increase

^{*}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 Howard County Trend Analysis Report

White* **Physical Activity Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 20.0 19.1 18.3 18.5 No linear change Not available ¶ 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) 13.7 12.0 No linear change Not available No change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

White* Other																	
				H	Iealth R	Risk Beh	navior a	nd Pero	entages	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN86: I						st (for a	check-u	ıp, exan	n, teeth	cleaning	g, or oth	er denta	ıl work,	,			
					,							89.9	91.0	90.1	No linear change	Not available¶	No change
QNNOD work)	NT: Po	ercentag	ge of stu	dents w	ho neve	r saw a o	dentist (for a che	eck-up,	exam, to	eeth clea	aning, o	r other	dental	+		
., 0111)												0.4	0.6	0.2	No linear change	Not available	No change
QN87: I	Percenta	age of st	udents v	who had	l ever be	een told	by a doc	ctor or n	urse tha	t they h	ad asthr	ma					

^{*}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 **Howard County Trend Analysis Report**

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				H	Iealth R	Risk Beh	avior a	nd Pero	centage	5					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN90:	Percenta	age of st	udents v	vho are	transge	nder							1.7	0.9	No linear change	Not available¶	No change
	Percenta he surve								g (on at	least 1	day duri	ing the 3	30 days 28.2	39.3	Increased, 2016-2018	Not available	Increased
22.10.4	Percenta	age of st	udents v	vho smo	oked a v	vhole ciş	garette b	efore ag	ge 13 ye	ars (for	the first	time)					
2N94:											3.1	2.3	2.7	1.3	Decreased, 2013-2018	Not available	Decrease

^{*}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.

Site-Add	led			F	Iealth F	tisk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN99: 1 vapor pr											flavor v	with an	electron	ic			
												96.0	97.4	98.0	No linear change	Not available¶	No change
QN101: oil, or T			students	who ha	ive ever	used an	electro	nic vapo	or produ	ict to sm	noke ma	rijuana,	THC o	r hash			·
													5.7	15.2	Increased, 2016-2018	Not available	Increased
QN102: little cig				who th	ink they	definite	ely or pr	obably	will sm	oke a ci	garette,	cigar, c	igarillo,	or			
													13.3	7.0	Decreased, 2016-2018	Not available	Decreased
QN103: flavored survey)																	
001,057																	

^{*}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 **Howard County Trend Analysis Report**

White*

				H	Iealth F	Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN104: the surv		tage of	students	who tri	ed or us	sed toba	cco prod	lucts for	r the firs	t time (during t	he 12 m	onths b	efore			
												8.1	6.5	8.0	No linear change	Not available [¶]	No change
QN106:	Percer	tage of	students	who liv	e with	someone	e who no	ow smo	kes ciga	rettes o	r cigars						
											23.5	22.6	19.5	15.8	Decreased, 2013-2018	Not available	No change
QN107: allowed											is that sr	noking	is not				
													88.7	89.9	No linear change	Not available	No change
QN108: during tl					ere in th	ie same	room w	ith some	eone wh	o was s	moking	(on at le	east one	day			
													17.9	19.5	No linear change	Not available	No change

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

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

Maryland High School Survey Howard County Trend Analysis Report

White* 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 QN110: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year) 56.1 Decreased, 2013-2018 Not available ¶ No change 63.9 62.9 61.7 QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends 20.7 17.8 19.2 29.6 Increased, 2013-2018 Not available Increased QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in Increased, 2013-2018 Not available Increased 13.7 10.7 16.7 23.4 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

82.0 82.9

83.2 84.6

No linear change

Not available

No change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Black* njury ai	nd Viol	ence		H	Iealth R	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN9: Po							ho had l	oeen dri	nking al	cohol (i	in a car	or other	vehicle	e, one			
or more	umes a	uring un	e 30 day	s before	e the sur	vey)					13.2	15.6	12.7	11.3	No linear change	Not available [¶]	No chang
QN10: 1 times du days bef	ring the	30 day													Decreased, 2013-2018	Not available	No chang
QN11: I the 30 da survey)																	
											24.7	21.4	19.7	23.1	No linear change	Not available	No chan

^{*}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.

	nd Viol	chec		H	lealth R	Risk Bel	navior a	nd Per	centage	es					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percentaing the 3					eapon o	n schoo	l proper	ty (such	ı as a gı	ın, knife	e, or clu	o, on at	least 1			
uay uun	ing the 5	o days i	before ti	ie sui ve	у)						3.8	3.7	4.4	4.8	No linear change	Not available [¶]	No chang
	_																
	Percenta sport suc												for hu	nting			
													for hui	nting 5.4	No linear change	Not available	No cl
or for a QN16:		ch as tar	rget shoo	oting, or	at leas	t 1 day of	during the	with a v	onths be	efore th	e surve	v)	4.2	5.4	No linear change	Not available	No cha

^{*}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.

		ence		Н	lealth R	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percenta before the			vho wer	e in a p	hysical	fight on	school	property	(one o	r more	times du	ring the	12			
monuis	before ti	ne sui ve	y)								13.0	12.7	10.7	12.8	No linear change	Not available [¶]	No change
01100	Dercents		udents v						ce (bein	ıg physi	oolly by			-			
someon with an	e they w object o	r weapo	n] one o	r more	times du	aring the	e 12 mo	nths bef		, slamm	ed into	someth	ng, or ii	ijured	No linear change	Not available	No chang

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

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

пјигу 2	and Viol	lence		H	Iealth R	Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	Percent ok, or ot										d throug	h textir	ıg, Insta	gram,			
											11.5	11.2	10.2	13.0	No linear change	Not available¶	No chang
	Percental doing s										eks in a 23.0	row so 25.4	that the	y 30.8	Increased, 2013-2018	Not available	No chan
stopped	l doing s	ome usu	al activ	ities, eve	er during	g the 12	months	before	the surv	rey)	23.0	25.4	25.7	30.8	Increased, 2013-2018	Not available	No chan
QN26:	l doing s	ome usu	al activ	ities, eve	er during	g the 12	months	before	the surv	rey)	23.0	25.4	25.7	30.8	Increased, 2013-2018 No linear change	Not available Not available	No chan
QN26: Survey)	l doing s	age of si	tudents	who seri	ously co	g the 12	months ed attem	before	the surv	vey) ver duri	23.0 ang the 14.2	25.4 22 mont 15.4	25.7 hs before 16.7	30.8 re the 18.3			

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

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

Black* Fobacco Use														
	1	Health F	Risk Beh	avior a	nd Per	centage	es					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991 1993 1995 1	997 1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN32: Percentage of studesurvey)	ents who cu	rrently si	moked c	igarette	s (on at	least 1	day duri	ing the	30 days	before	the			
								4.8	3.4	2.9	2.4	No linear change	Not available¶	No chang
QNFRCIG: Percentage of days before the survey)	students wh	no curren	itly smol	ked ciga	rettes fi	equentl	y (on 20	0 or mo	re days	during t	he 30			
								1.4	0.7	0.6	0.6	No linear change	Not available	No chang
QNDAYCIG: Percentage perfore the survey)	of students	who curi	rently sm	noked ci	garettes	daily (on all 3	0 days o	during th	ne 30 da	iys			
								1.1	0.5	0.2	0.6	No linear change	Not available	No chang
QN34: Percentage of stude vape pipes, vaping pens, e- eGo, and Halo])														
									38.8	32.5	32.6	No linear change	Not available	No chang

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

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

Black* Tobacco U	Jse																
				H	Iealth F	Risk Bel	navior a	and Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991 1	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN35: Pe e-pipes, va Plus, eGo,	ape pip	es, vap	ing pens	s, e-hoo	kahs, ar	id hooka	h pens	[such as	blu, NJ								
												17.2	6.4	15.3	No linear change	Not available¶	Increase
QNFREVI					o currei	ntly used	l electro	onic vap	or produ	icts freç	quently ((on 20 o	r more	days			,
												0.8	0.1	1.8	No linear change	Not available	Increase
QNDAYE				udents v	who cur	rently us	sed elec	tronic v	apor pro	oducts d	aily (on	all 30 d	ays du	ring			,
												0.4	0.1	1.5	No linear change	Not available	No chang
QNTB5: I						smoked	l cigaret	ttes or u	sed elec	tronic v	apor pro	oducts (on at le	east 1			<u> </u>
												18.7	8.8	16.4	No linear change	Not available	Increase

^{*}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.

199			Health	D:-L- D-1											
100				KISK BEI	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
199	95 19	97 199	9 2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
				used smo								nic			
				days be				musj, m	ot courn	any	ciccuoi	iic			
											3.5	2.8	No linear change	Not available¶	No chang
				smoked o	cigars (ci	igars, ci	garillos,	, or little	e cigars.	on at le	ast 1 da	ıy			
lays be	efore th	e survey)						8.8	9.2	7.9	2.6	Decreased 2012 2019	Not available	Досторо
									0.0	9.2	7.9	2.0	Decreased, 2013-2018	Not available	Decrease
	e of stud	lents who	currentl	y smoked	d cigaret	tes or ci	gars (or	at least	t 1 day	during tl	ne 30 da	ıys			
entage											9.3	3.8	Decreased, 2013-2018		
nnto a a	е	oi stuc	or students who	or students who currenti	or students who currently smoked	or students who currently smoked cigaret	of students who currently smoked digarettes of ci	of students who currently smoked digarettes of digars (of	of students who currently shoked eighteties of eights (on at leas		10.8 10.5		of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days	of students who currently shioked digarettes of digars (on at least 1 day during the 50 days	

^{*}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.

Alcohol and Ot	her Dru	g Use	H	lealth R	tisk Beh	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN40: Percent	age of st	udents v	who had	their fi	rst drink	of alco	hol befo	ore age 1	13 years	(other	han a fe	w sips)				
										13.7	16.8	13.9	15.2	No linear change	Not available [¶]	No chang
			who cur	rently di	rank alco	ohol (at	least on	e drink	of alcol	nol, on a	t least 1	day du	ring			,
QN41: Percenta lhe 30 days befo			who cur	rently di	rank alco	ohol (at	least on	ne drink	of alcol	nol, on a	t least 1	day du	ring 17.7	Decreased, 2013-2018	Not available	No chang
	age of st	urvey) udents vor more	who curr	rently w	ere bing	ge drinki	ing (had	four or	more d	25.1 rinks of	19.2	14.1 in a ro	17.7 w for	Decreased, 2013-2018	Not available	No chan

^{*}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* Alcohol	and Otl	her Dru	ıg Use	T	Ioolah T	tal- Dal		nd Don		_					Lincon Change	Overductio Change	Change from
				r	ieaith f	dsk bei	iavior a	na Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN45:	Percenta	age of s	tudents v	who eve	r used r	narijuan	a (one c	or more	times du	ring the	eir life)						
											30.7	33.4	26.2	25.9	Decreased, 2013-2018	Not available¶	No chang
QN46:	Percenta	age of s	tudents	who trie	d mariji	ıana for	the first	time be	efore ago	e 13 yea	ars	 -					:
											5.1	7.0	5.7	5.4	No linear change	Not available	No chang
QN47: survey)	Percenta	age of s	tudents	who cur	rently u	sed mar	ijuana (d	one or n	nore tim	es durin	ng the 30) days b	efore th	e			
<i></i>											19.1	17.1	13.9	12.3	Decreased, 2013-2018	Not available	No chang
QN48:	Percenta	age of s	tudents	who eve	r used s	ynthetic	marijua	ana (one	or more	e times	during t	their life	e)				
												5.5	4.6	5.1	No linear change	Not available	No chang

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

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

Black* Alcohol	and Otl	ner Dru	g Use	F	Health R	tisk Rel	navior a	nd Perc	rentage	2					Linear Change [†]	Quadratic Change [†]	Change from
				-	icuiui i	usk bei		inu i civ	centuge	,					Differ Change	Quantum Change	2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
differen	tly than	how a d	loctor to	ld them	er took p to use i re times	t (count	ing drug	gs such a									
													12.2	18.5	Increased, 2016-2018	Not available¶	Increase
	Percenta nore tim				er used c	ocaine (any fori	m of coo	caine, in	cluding	powde	r, crack,	or free	base,			
											3.0	3.9	3.3	3.3	No linear change	Not available	No chang
	Percenta uring the		udents	who eve	er used h	eroin (a	lso calle	ed "sma	ck," "jur	nk," or '	'China	White,"	one or i	nore			
		ŕ									2.5	2.5	4.0	2.8	No linear change	Not available	No chang
					er used n		hetamir	nes (also	called	"speed,	" "cryst	al meth,	" "cranl	ζ,"			
	r meun,	one or			_	,											

^{*}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.

				H	lealth R	disk Beh	avior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN54: 1	Percenta	ige of st	tudents v	who eve	r used e	cstasy (a	also call	ed "MD	MA," c	ne or m	ore tim	es durii	ng their	life)			
											6.5	3.5	3.0	3.0	No linear change	Not available¶	No change
						ed any il	legal dri	ug (useo	l a need	le to inj					No linear change	Not available [¶]	No change
QN56: 1 body, or						ed any il	legal dri	ug (usec	l a need	le to inj					No linear change	Not available [¶] Not available	No change
	e or mo	re times	s during	their lif	e)						ect any 2.9	illegal	drug int	to their			

^{*}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 Howard County Trend Analysis Report

Black* **Sexual Behaviors Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN58: Percentage of students who ever had sexual intercourse 28.9 27.4 No linear change Not available ¶ No change 32.1 26.8 QN59: Percentage of students who had sexual intercourse for the first time before age 13 years 4.7 3.0 No linear change Not available No change 7.3 5.6 QN60: Percentage of students who had sexual intercourse with four or more persons during their life 11.4 7.2 5.9 6.7 No linear change Not available No change QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) No linear change Not available No change 20.4 18.8 17.5 19.0

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Black* **Sexual Behaviors**

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from 2016-2018 §

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

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

14.7 15.1 12.1

No linear change

Not available ¶

No change

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

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

Not enough years of data to calculate.

	8		nd Diet	•	Health F	Risk Beh	avior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	T: Perce											tile for b	oody ma	ıss			
											18.4	15.5	15.9	18.8	No linear change	Not available	No change
	ESE: Pe								ile for b	ody mas	ss index	, based	on sex-	and			
											8.1	12.5	11.2	12.0	No linear change	Not available	No change
QN67:	Percenta	age of st	udents	who des	scribed t	hemselv	es as sli	ghtly or	r very ov	verweig	ht						
											25.3	24.6	20.8	19.1	Decreased, 2013-2018	Not available	No change
	Percenta he surve		udents	who did	not drii	nk fruit j	uice (10	00% frui	it juices	one or i	more tin	nes duri	ng the 7	days	,		,
berore u																	

^{*}Non-Hispanic

 $^{^{\}dagger}$ 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.

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.

				H	Iealth R	kisk Beh	avior a	nd Perc	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
)N70:	Percenta	ige 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)				
											18.8	21.0	18.1	16.0	No linear change	Not available¶	No chang
					id not ea		r drink 1	00% fr	uit juice	es (such	as oran	ge juice	, apple	juice,	,		
					id not ea		r drink 1	00% fr	uit juice	es (such	as oran	ge juice	8.3	juice,	No linear change	Not available	No chang
r grape	juice, d	uring th	e 7 days	s before	the surv	vey)					8.9	9.7	8.3	6.9	No linear change	Not available	No chan
r grape	juice, d	uring th	students	s before		vey) or drank	100% fr	uit juice	es one o		8.9	9.7	8.3	6.9	No linear change	Not available	No chan

^{*}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.

				H	lealth R	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
		ntage of								or more	times p	er day (such as				
											34.1	28.3	20.8	25.8	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	ys befo	re the si	ırvey)			
QN71:	Percent	age of st	udents v	who did	not eat	green sa	alad (one	e or moi	re times	during	the 7 da	ys befo 45.7	re the si	11rvey) 48.0	Increased, 2013-2018	Not available	No change
,		age of st	,								42.2	45.7	52.7	48.0	Increased, 2013-2018	Not available	No change
,			,								42.2	45.7	52.7	48.0	Increased, 2013-2018 No linear change	Not available Not available	No change
QN72:	Percent		udents	who did	not eat	potatoes	s (one or	more t	imes du	ring the	42.2 7 days 47.0	45.7 before t	52.7 the surv	48.0 ey) 50.7	, 		

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

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

				H	Iealth F	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN74: survey)	Percenta	age of st	udents	who did	not eat	other ve	getables	s (one o	r more t	imes du	iring the	e 7 days	before	the	;		
survey)											18.0	20.0	23.4	20.1	No linear change	Not available [¶]	No chang
-	GO: Pero	_					,			_		C	ch fries,	fried 7.7	No linear change	Not available	No chang
	31. Pero						one or m										
	fries, fri	ed potat	oes, or p	otato cl	nips], ca	rrots, or	otner v	egetable	es, durin	ig the /	days be	iore une	bul vey	,			

^{*}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.

				H	Iealth R	Risk Bel	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
												l, potatoe					
											22.5	22.1	17.8	17.8	No linear change	Not available¶	No change
												ad, potate ne 7 days 12.7		the 11.3	No linear change	Not available	No chang
(excludi survey) QN75:	ng Fren	age of si	fried po	otatoes,	or potat	o chips]	, carrots	or glass	of soda	ables, d	uring th	ne 7 days	before 7.9	11.3	No linear change	Not available	No chang

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

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

			Н	ealth R	isk Beh	avior a	nd Perc	centages	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNSODA1: P such as Coke,													ny			
										13.2	11.4	8.3	6.7	Decreased, 2013-2018	Not available¶	

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

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

Black* Physical	Activit	y		H	Iealth R	tisk Beh	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
kind of j	Percenta physical fore the	activity															
-		-									42.1	35.9	37.0	42.1	No linear change	Not available¶	No chang
1 day (ii	DAY: In any kinhe 7 day	nd of ph	ysical a	ctivity t													
											20.7	23.6	25.8	15.7	No linear change	Not available	Decrease
kind of	DAY: In physical fore the state of the state	activity															
aays oo																	

^{*}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.

		Health Risk Behavior and Percentages										Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
N79: I	Percenta	age of st	tudents v	who wat	ched tel	evision	3 or mo	re hour	s per da	y (on an	n averag	e schoo	ol day)				
											35.6	35.7	24.8	25.9	Decreased, 2013-2018	Not available¶	No chan
counting	g time s	pent on	tudents v things s r other s	such as 2	Xbox, Pl	layStatio	on, an iF	Pad or o	ther tab	let, a sm	nartphoi	ne, texti	ng, Yo	ıTube,	Increased, 2013-2018	Not available	Increase
counting astagrar	g time s m, Facel	pent on book, or	things s	such as 2 ocial mo	Xbox, Pledia, for	ayStation someth	on, an iF ing that	Pad or o	ther tabl	let, a sm work, o	nartphoi on an av 39.3	ne, texti verage s 37.2	ng, You chool d	aTube, ay) 47.1	Increased, 2013-2018	Not available	Increase

^{*}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.

	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			
_			of stud		o attend	led phys	sical edu	cation (PE) clas	ses on a	all 5 day	ys (in ar	averag	e			
CCR WII	ion they	were in	5011001)								21.2	17.3	16.8	18.8	No linear change	Not available¶	No chan

^{*}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				H	Iealth R	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from
									8								2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN86: I during the						st (for a	check-u	ıp, exan	n, teeth	cleaning	g, or oth	75.3	al work 75.0	73.4	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			
2222,												1.0	1.6	3.2	Increased, 2014-2018	Not available	No change
QN87: 1	Percenta	age of st	udents	who had	l ever be	en told	by a doo	ctor or n	urse tha	at they h	ad asth	ma					
												29.6	30.2	26.6	No linear change		

^{*}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.

Site-Add	led			I	Iealth F	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN90:	Percent	age of s	tudents	who are	transge	nder							4.2	0.6	Decreased, 2016-2018	Not available [¶]	Decreased
QN93: before the									g (on at	least 1	day dur	ing the		29.9	No linear change	Not available	No change
QN94:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette t	efore a	ge 13 ye	ears (for	the firs	t time) 5.5	4.4	3.1	No linear change	Not available	No change
QN98: day duri						pacco in	a hooka	ıh, nargl	hile, or o	other typ	pe of wa	aterpipe	(on at le	2.5	Decreased, 2016-2018	Not available	Decreased

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

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

Black* ite-Add	ed																
				I	Iealth I	Risk Bel	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN101: oil, or TI			students	who ha	ive ever	used an	electro	nic vapo	or produ	ct to sm	oke ma	rijuana,	THC 01	hash			
													7.4	8.5	No linear change	Not available¶	No chang
		tage of		who th	ink they	definite	ely or pr	obably	will smo	oke a ciş	garette,	cigar, ci	garillo,	or	,		
		, .											14.8	10.7	No linear change	Not available	No chang
						ored toba								rs,			
•											9.8	10.0	4.5	1.9	Decreased, 2013-2018	Not available	Decrease
QN104: he surve		tage of	students	who tri	ed or us	sed toba	cco prod	ducts for	r the firs	t time (during t	he 12 m	onths b	efore			
												7.6	3.6	2.5	Decreased, 2014-2018	Not available	No chan

^{*}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 **Howard County Trend Analysis Report**

Rlack*

1991 199 QN106: Per QN107: Per allowed anyw	ercentage	e of stud	ents who r	ive with	rule abo	out smok	cing insi			22.9	28.0	18.9	2018 18.5	Decreased, 2013-2018	Not available¶	No change
QN107: Per	ercentage	e of stud	ents who r	report the	rule abo	out smok	cing insi			22.9	28.0		18.5	Decreased, 2013-2018	Not available [¶]	No change
								ide their	home	is that s	moking					
					ing deek	ts, garag	ges, or po	orches)			moking	1s not 84.8	86.1	No linear change	Not available	No change
QN108: Per luring the 7				were in th	ne same r	room wi	th some	eone who	o was s	smoking	g (on at l			To mean change	Tvot available	Tto change
iuring the 7	days oc	crore the	z survey)									16.2	20.2	No linear change	Not available	No change
QN110: Per school year)		e of stud	lents who v	vere taug	ght in the	ir classe	es about	the dan	gers of	tobacco	o use (di	iring the	last			

^{*}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 Howard County Trend Analysis Report

Black* 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 QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends 48.4 43.9 45.1 47.9 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 28.5 26.8 22.8 31.9 No linear change Not available Increased

76.3 78.0

76.5 79.0

No linear change

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

Not available

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Hispanic **Injury and Violence Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 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) 26.0 23.9 17.5 25.3 No linear change Not available§ No change QN13: Percentage of students who carried a weapon on school property (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) 5.5 5.6 7.6 5.3 No linear change Not available No change QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) 8.3 6.0 No linear change Not available No change

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

[§]Not enough years of data to calculate.

Hispanic Injury an		ence		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	2010	5 20	18			
QN16: knife, or										on scho	ol prop	erty (su	ch as a	gun,				
											12.9	10.1	11.4	8.8	3	No linear change	Not available [§]	No change
QN18: months				who we	re in a p	hysical	fight on	school	property	(one o	r more	times d	uring th	ie 12		,		1
											16.8	14.7	12.2	12.0	6	No linear change	Not available	No change
QN22: someone with an went ou	e they w object o	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	eing hit	, slamm	ned into	someth	ning, or	injure				1
											16.5	11.6	10.0	17.4	4	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Hispanic Injury an		ence		н	ealth R	isk Beh	avior aı	nd Perc	entages	i					Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN23:	Percenta	age of st	tudents	who we	re bullie	ed on scl	nool pro	perty (e	ver duri	ing the	12 mont	ths befo	re the si	ırvey)			
											22.2	21.7	22.5	16.2	No linear change	Not available [§]	No change
QN24: 1 Faceboo											d throuş	gh texti	ng, Insta	ngram,	,		
											14.6	17.9	17.5	15.5	No linear change	Not available	No change
QN25: 1 stopped											eks in a	row so	that the	ey .			
											34.2	33.6	38.0	39.2	Increased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Hispanic **Injury and Violence** Linear Change* **Health Risk Behavior and Percentages** Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) Not available§ 20.8 22.2 21.9 18.4 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) 18.2 15.9 20.2 20.6 No linear change Not available No change

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

[§]Not enough years of data to calculate.

Hispanic Fobacco																	
				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		
QN32: I survey)	Percent	age of s	tudents v	who cur	rently s	moked c	eigarette	s (on at	least 1	day duri	ng the	30 days	before t	he			
											14.3	12.3	8.0	5.7	Decreased, 2013-2018	Not available [§]	No change
QNFRC days bef				ents who	o curren	ntly smo	ked ciga	rettes fi	equentl	y (on 20) or mo	re days	during t	he 30	,		
											5.2	0.5	1.1	2.0	No linear change	Not available	No change
QNDAY			ige of sti	udents v	vho curi	rently sn	noked ci	garettes	daily (on all 3	O days o	luring tl	ne 30 da	ys			
											4.1	0.5	0.7	1.2	No linear change	Not available	No change
QN34: I	es, vapi	ing pens															
eGo, and	d Halo]))										42.2	40.1	43.3	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

ispanic obacco																	
				H	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	-		
e-pipes,	vape pi	pes, vap	ing pen		kahs, ar	id hooka	h pens	[sucĥ as	blu, NJ		ing e-ci; ise, Mar						
												24.0	13.4	24.9	No linear change	Not available [§]	Increased
			e of stud		o currei	ntly used	l electro	onic vap	or produ	icts free	uently (on 20 o	r more	days	,		
												1.8	2.1	8.9	Increased, 2014-2018	Not available	Increased
	YEVP:			udents v	who cur	rently us	sed elec	tronic v	apor pro	oducts d	aily (on	all 30 d	lays dur	ring			,
												1.3	1.6	5.2	Increased, 2014-2018	Not available	Increased
				s who co		smoked	l cigaret	tes or us	sed elec	tronic v	apor pro	oducts (on at le	east 1	,		
												28.9	17.5	27.0	No linear change	Not available	Increased

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

[§]Not enough years of data to calculate.

Hispanic Tobacco				Н	ealth R	isk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN37: dissolva vapor pr	ble toba	icco pro	ducts [si	uch as C	Copenha	gen, Gri	zzly, Sk	oal, or							No linear abango	Not available [§]	No shonge
													5.2	4.5	No linear change	Not availables	No change
QN38: during the					rently si	noked c	igars (ci	gars, ci	garillos,	, or little	e cigars,	on at le	ast 1 da	ny			
											13.9	12.1	7.7	13.5	No linear change	Not available	No change
QNTB2 before tl			student	s who c	urrently	smoked	cigaret	tes or ci	gars (or	n at leas	t 1 day	during t	ne 30 da	ays			
											21.4	18.5	13.2	14.3	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Hispanic Alcohol a	nd Oth	er Drug	g Use	и	aalth D	ialz Pah	avior aı	ad Dono	ontogog						Linear Change*	Quadratic Change [*]	Changa from
				п	eann K	isk deli	avior ai	iu Perc	entages						Linear Change	Quadratic Change	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN40: 1	Percenta	age of s	tudents	who hac	l their fi	rst drink	of alco	hol befo	ore age	13 years	s (other	than a f	ew sips))			
											20.5	20.3	16.2	18.3	No linear change	Not available [§]	No change
QN41: 1 the 30 da				who cur	rently d	rank alc	ohol (at	least or	ne drink	of alco	hol, on	at least	l day du	ıring			
											37.9	26.7	25.9	23.5	Decreased, 2013-2018	Not available	No change
QN42: I female s day duri	tudents	or five	or more	drinks o	of alcoh												
													12.5	15.4	No linear change	Not available	No change

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

^{*}Not enough years of data to calculate.

Hispanic Alcohol a		er Drug	g 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	•		
QN45:	Percent	age of st	tudents	who eve	r used r	narijuan	na (one o	or more	times du	aring the	eir life)						
											42.6	33.4	34.6	31.5	No linear change	Not available [§]	No change
QN46:	Percent	age of st	tudents	who trie	d mariji	uana for	the first	t time b	efore ag	e 13 yea	ars						
											9.4	7.5	8.1	9.2	No linear change	Not available	No change
QN47: survey)	Percent	age of st	tudents	who cur	rently u	sed mar	rijuana (one or n	nore tim	es durir	ng the 3	0 days l	efore th	ne			
• /											23.3	18.9	18.6	17.0	No linear change	Not available	No change
QN48:	Percent	age of st	tudents	who eve	er used s	synthetic	mariju:	ana (one	e or mor	e times	during	their lif	e)				
												9.7	6.7	10.0	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

ispanic lcohol a		er Drug	g Use	н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from
					cuitii IX	isk Den		iu i ci c	circuges						Emear change	Quadratic Change	2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN49: differen Hydroco	tly than	how a d	loctor to	ld them	to use i	t (count	ing drug	s such a									
													14.6	18.3	No linear change	Not available [§]	No change
QN50:		_			er used c	cocaine (any fori	m of coo	caine, in	cluding	powde	r, crack	or free	base,			
											9.2	9.2	7.8	10.3	No linear change	Not available	No change
	Percenta uring the		tudents	who eve	er used h	neroin (a	lso calle	ed "sma	ck," "jur	ık," or '	'China	White,"	one or	more	<u> </u>		:
											6.8	4.6	5.5	7.0	No linear change	Not available	No change
QN53: "ice," or							hetamir	nes (also	called	"speed,	" "cryst	al meth,	" "cranl	k,"	,		
											8.6	6.4	6.4	5.3	No linear change	Not available	No change

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

Hispanic Alcohol a	nd Oth	er Dru	g 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	5 2018	3		
QN54: I	Percent	age of s	tudents	who eve	r used e	ecstasy (also call	ed "MD	MA," c	one or n	nore tim	es duri	ng their	life)			
											14.2	9.8	7.4	7.2	Decreased, 2013-2018	Not available [§]	No change
QN56: I body, on						ed any il	legal dr	ug (useo	d a need	le to inj	ect any	illegal	drug int	to their			
				,	,						7.0	4.0	4.5	3.8	No linear change	Not available	No change
QN57: I				who we	re offere	ed, sold,	or give	n an ille	gal drug	on sch	ool pro	perty (d	uring th	ne 12			
											38.2	29.0	31.4	27.8	No linear change	Not available	No change

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

Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Hispanic **Sexual Behaviors Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 QN58: Percentage of students who ever had sexual intercourse 44.2 34.1 37.6 33.8 No linear change Not available§ No change QN59: Percentage of students who had sexual intercourse for the first time before age 13 years 6.9 7.1 4.5 No linear change Not available No change QN60: Percentage of students who had sexual intercourse with four or more persons during their life No change 15.3 12.3 8.9 9.6 No linear change Not available

31.3

22.0

25.6

22.5

No linear change

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)

No change

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

[§]Not enough years of data to calculate.

		п	eaith Ki	sk Beha	vior an	d Perce	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 †
3 1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
													1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 atage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests		

^{*}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.

				Н	alth 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	-		
						erweigh data fro						tile for l	ody ma	ss			
											17.5	17.2	17.2	19.2	No linear change	Not available¶	No change
						besity (>			le for bo	ody mas	ss index	, based	on sex-	and			
_ 1																	
											6.6	9.8	12.4	11.3	No linear change	Not available	No change
	Percenta	age of st	udents v	who des	cribed th	hemselv	es as sli	ghtly or	very ov	verweig		9.8	12.4	11.3	No linear change	Not available	No change
	Percenta	age of st	udents v	who des	cribed th	hemselv	es as sli	ghtly or	very ov	verweig		9.8	28.3	31.2	No linear change No linear change	Not available Not available	No change
QN67: QN69:		age of st				hemselv					ht 27.3	29.6	28.3	31.2			

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

[§]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	<u> </u>		
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	ırvey)				
											14.4	12.8	18.5	17.4	No linear change	Not available§	No change
QNFR0 or grape							r drink 1	100% fr	uit juice	es (such	as oran	ge juice	, apple j	uice,			
0 1	<i>y</i>	Ü	Ţ			3,					7.1	8.0	10.6	7.7	No linear change	Not available	No change
					te fruit o					or more	times pe	er day (s	uch as				

^{*}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.

Veight N	Ianage	ment an	d Dieta	-		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	_		
QNFR2 orange j										or more	times p	er day (such as	•			
											40.5	32.8	30.8	25.4	Decreased, 2013-2018	Not available§	No change
QN71:	Percent	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)			
											33.0	32.8	44.1	44.3	Increased, 2013-2018	Not available	No change
QN72:	Percent	age of st	udents v	who did	not eat	potatoe	s (one or	r more t	imes du	ring the	7 days	before t	he surv	ey)			
											40.6	40.8	45.7	38.9	No linear change	Not available	No change
QN73:	Percent	age of st	udents v	who did	not eat	carrots	(one or i	more tin	nes duri	ng the 7	7 days b	efore th	e surve	y)			
											51.3	45.7	54.9	49.9	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN74: survey)	Percenta	ige of st	udents v	vho did	not eat	other ve	getables	(one or	more ti	imes du	ring the	7 days	before t	he			
3,											19.0	18.3	21.1	21.0	No linear change	Not available [§]	No change
QNVEO	GO: Perc											g Frenc	h fries,	fried			
potatoes	, or pota	no emp	sj, carro	ts, or ott	iei vege		0	,			5 /						
	s, or pota	uo emp	sj, carro	is, or ou	iei vege			,			8.9	7.3	12.0	9.7	No linear change	Not available	No change
potatoes QNVEC	3, or pota 31: Perc fries, frie	entage	of stude	nts who	ate vege	etables o	one or m	ore time	es per d	ay (gree	8.9 n salad,	, potato	es [excl	uding	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				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	3		
QNVEC French f																	
											33.4	29.6	25.2	22.9	Decreased, 2013-2018	Not available§	No change
QNVEC [excludi survey)														the			
[excludi														the 13.3	No linear change	Not available	No change
[excludi	ng Fren	age of st	, fried po	otatoes, who did	or potat	o chips]	, carrots	or glass	er veget	ables, d	luring th	15.3	s before 14.0	13.3	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

	dents who drank a can, bottle, or glass of soda or pop one or more times per day not counting diet soda or diet pop, during the 7 days before the survey)				Н	ealth R	isk Beh	avior aı	nd Perc	entages	3					Linear Change*	Quadratic Change*	Change from 2016-2018
QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) 14.4 14.0 10.1 13.1 No linear change Not available§	not counting diet soda or diet pop, during the 7 days before the survey) 14.4 14.0 10.1 13.1 No linear change Not available [§] No change dents who drank a can, bottle, or glass of soda or pop two or more times per day	1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	14.4 14.0 10.1 13.1 No linear change Not available [§] No change lents who drank a can, bottle, or glass of soda or pop two or more times per day																	
14.4 14.0 10.1 13.1 No linear change Not available [§]	dents who drank a can, bottle, or glass of soda or pop two or more times per day	QNSODA1: P	ercentag	ge of stu	dents wh	no drank	c a can, l	bottle, o	or glass o	of soda o	or pop o	ne or m	ore tim	es per d	ay			
															ay			
															ay			

^{*}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 Physical A		,															
				Н	ealth Ri	sk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN78: I kind of p	physical	activity	that in														
·		•									40.1	34.1	34.9	40.8	No linear change	Not available [§]	No change
QNPA01 1 day (ir during th	n any kii	nd of ph	ysical a	ctivity t											,		,
											17.5	20.3	23.9	24.3	Increased, 2013-2018	Not available	No change
QNPA71 kind of p	physical	activity	that in														
											18.7	18.8	19.8	20.8	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Hispanic Physical		7		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	-		
QN79:	Percenta	age of st	tudents v	who wat	tched tel	levision	3 or mo	re hour	s per da	y (on ar	averag	e schoo	l day)				
											30.1	25.5	16.1	20.6	Decreased, 2013-2018	Not available [§]	No change
QN80: (countin Instagra	g time s	spent on	things s	such as 2	Xbox, P	layStatio	on, an iF	Pad or o	ther tab	let, a sn	artphor	ne, texti	ng, Ŷou	Tube,	No linear change	Not available	No change
QN81: week wl					ended ph	nysical e	ducation	n (PE) c	lasses o	n 1 or n	nore day	ys (in ar 32.7	averag	ge 37.2	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

Hispanic **Physical Activity** Linear Change* **Health Risk Behavior and Percentages** Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)

17.2 17.2 14.0 20.6

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)

> 15.9 16.8 No linear change Not available No change

Not available§

No change

No linear change

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

[§]Not enough years of data to calculate.

Hispanic Other				Н	ealth R	isk Beh	avior ar	ıd Perce	entages	i.					Linear Change*	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN86: during the						ist (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	er denta	al work	77.4	No linear change	Not available [§]	No change
QNNOI work)	ONT: Po	ercentag	ge of stu	dents w	ho neve	r saw a	dentist (for a ch	eck-up,	exam, t	eeth cle	aning, o	or other	dental 3.3	No linear change	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 26.9	27.9	25.2	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

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 QN90: Percentage of students who are transgender 3.3 4.8 No linear change Not available§ No change QN94: Percentage of students who smoked a whole cigarette before age 13 years (for the first time) 10.2 10.3 8.6 5.2 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 10.5 20.0 Increased, 2016-2018 Not available Increased

6.2

5.9

No linear change

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

Hispanic

day during the 30 days before the survey)

No change

Not available

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

[§]Not enough years of data to calculate.

Iispanic ite-Adde																	
				Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	8		
QN102: little ciga				s who th	ink they	definite	ely or pi	obably	will smo	oke a cig	arette,	cigar, c	igarillo	, or			
													23.2	21.4	No linear change	Not available [§]	No change
QN103: flavored survey)																	
•											16.4	12.8	5.0	6.4	Decreased, 2013-2018	Not available	No change
QN104: the surve		itage of	students	s who tri	ied or us	sed toba	cco prod	ducts for	the firs	st time (d	luring t	the 12 n	nonths b	pefore	+		
												13.3	6.3	9.1	No linear change	Not available	No change
QN106:	Percen	tage of	students	s who liv	ve with s	someon	e who n	ow smo	kes ciga	rettes or	cigars						,
											29.2	27.0	23.8	25.5	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Iispanic ite-Adde																	
				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	8		
QN107: allowed										home i	is that s	moking	is not				
													82.3	87.3	No linear change	Not available§	No change
QN108: during th					ere in th	ne same	room wi	th some	eone wh	o was s	moking	(on at l	east one	day			
													17.4	19.7	No linear change	Not available	No change
QN110: school ye		itage of	students	s who w	ere taug	ht in the	ir classe	es about	the dan	gers of	tobacco	use (di	iring the	e last			
											70.7	62.9	61.9	58.7	Decreased, 2013-2018	Not available	No change
QN117: friends	Percen	itage of	students	s who sa	ıy defini	tely yes	or prob	ably yes	s that yo	ung peo	ople who	o smoke	have n	nore			
											45.4	38.4	43.4	47.4	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland High School Survey Howard County Trend Analysis Report

				He	ealth Ri	isk Beha	avior an	d Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-201
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013		2016				
ool or f		tage of	students	wiio sa	y deiiiii	tely yes	or proba	abiy yes	s uiat siii		25.4	20.1	27.3	22.2	No linear change	Not available [§]	No change

72.3 73.2 74.0 71.6

No linear change

No change

Not available

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

[§]Not enough years of data to calculate.