Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

#### Total Injury and Violence

				H	ealth Ri	sk Beha	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN6: P bicycle)	ercentag	ge of stu	idents w	ho rarel	y or nev	er wore	a bicyc	le helme	et (amoi	ng stude	ents who	o had rid	lden a				
											41.5	39.2	38.3	36.2	No linear change	Not available <sup>§</sup>	No change
QN7: Postudents		-			•		a helme	et when	rollerbl	ading o	r skateb	oarding	(amon	g			
											59.8	54.5	52.7	55.1	No linear change	Not available	No change
QN8: P	ercentag	ge of stu	idents w	ho rarel	y or nev	er wore	a seat b	elt (whe	en riding	g in a ca	ar)	;		·			
											3.9	3.0	2.5	3.5	No linear change	Not available	No change

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**Trend Analysis Report** 

Total Injury an	ıd Viole	ence		Н	ealth R	isk Beh	avior aı	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN9: P	ercentag	ge of stu	idents w	ho ever	rode wi	ith a driv	ver who	had bee	en drinki	ing alco	hol (in	a car)					
											16.3	13.7	16.4	14.1	No linear change	Not available <sup>§</sup>	No change
QN10:	Percent	age of st	tudents	who eve	er carrie	d a wear	oon (suc	h as a g	un, knif	e, or clu							
											26.7	22.2	29.4	24.0	No linear change	Not available	Decreased
QN11:	Percent	age of st	tudents	who we	re ever i	n a phys	sical fig	ht									
											42.8	40.1	43.7	37.4	No linear change	Not available	No change
QN14:	Percent	age of st	tudents	who eve	er seriou	sly thou	ght abo	ut killin	g thems	elves							
											16.2	15.7	20.0	23.0	Increased, 2013-2018	Not available	No change
QN15:	Percent	age of st	tudents	who eve	er made	a plan a	bout ho	w they v	vould ki	ill thems	selves		11.6	14.7		N	
													11.6	14.7	Increased, 2016-2018	Not available	Increased

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Total	
Injury and Violence	

				H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN16:	Percenta	age of st	udents v	who eve	r tried to	o kill the	emselve	S					5.2	7.1	No linear change	Not available <sup>§</sup>	No change

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Total Tobacco	Use																
				H	ealth R	isk Beh	avior aı	nd Perc	entages	5					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN17:	Percent	age of s	tudents	who eve	r tried c	cigarette	smokin	g (even	one or 1	two pufi	fs)		3.0	3.0	No linear change	Not available <sup>§</sup>	No change
QN18: puffs)	Percent	age of s	tudents	who trie	d cigare	ette smol	king for	the first	t time b	efore ag	e 11 ye	ars (eve	n one or 1.4	r two 1.9	No linear change	Not available	No change
QN19: survey)		age of s	tudents	who cur	rently s	moked c	cigarette	s (on at	least 1 o	day duri	ng the 3	30 days 0.7	before t	he 0.6	No linear change	Not available	No change
QNFRC days be				ents who	o curren	ntly smo	ked ciga	arettes fr	requentl	ly (on 20	) or moi 0.3	re days	during t	he 30 0.1	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.

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**Trend Analysis Report** 

Total Tobacco Use

lobacco						H	Iealth	Risl	k Beha	wior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	199	3	1995	19	97	1999	200	)1 2	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QNDAY before th				age o	of stu	Idents	who c	urrer	ntly sn	noked ci	garettes	daily (	on all 30	) days d	uring th	ie 30 da	ys			
														0.3	0.0	0.1	0.1	Not available	Not available <sup>§</sup>	No change
QN21: 1	Perce	entag	ge of s	tude	nts w	vho ev	er use	d an	electro	onic var	oor prod	uct			9.7	9.7	12.5	No linear change	Not available	No change
QN22: 1 before th				tude	nts w	vho cu	rrently	y use	d an e	lectroni	c vapor	product	(on at l	east 1 d	ay durir	ng the 3	0 days			
		·	-												3.9	1.5	2.8	No linear change	Not available	Increased
QNFRE during th							ho cur	rentl	y usec	electro	nic vap	or produ	icts freq	uently (	(on 20 o	r more	days			
															0.3	0.1	0.3	No linear change	Not available	No change

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**Trend Analysis Report** 

Total	
Tobacco	Use

			He	ealth Ri	sk Beha	avior an	d Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 201	8		
QNDAYEVP: the 30 days befo			udents v	who curr	ently us	ed elect	ronic va	apor pro	ducts da	aily (on	all 30 c	ays du	ring			
											0.2	0.1	0.1	No linear change	Not available <sup>§</sup>	No change
ON24: Percent	age of st	udents y	who cur	rently us	sed smo	keless to	bacco (	chewin	g tobaco	co. snuff	f. din. s	nus, or				
dissolvable toba	acco pro	ducts [si	uch as C	openhag	gen, Gri	zzly, Sk	oal, or	Camel S					onic			
QN24: Percent dissolvable toba vapor products,	acco pro	ducts [si	uch as C	openhag	gen, Gri	zzly, Sk	oal, or	Camel S					onic 1.9	Increased, 2016-2018	Not available	Increased
dissolvable toba	acco prod on at lea	ducts [si ast 1 day	uch as C during who curr	the 30 c	gen, Gri lays bef	zzly, Sk ore the	oal, or ( survey)	Camel S	Snus], no	ot count	ing any	electro 0.8	1.9	Increased, 2016-2018	Not available	Increased

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#### Total Alcohol and Other Drug Use 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 ever drank alcohol (other than a few sips) 14.7 10.6 12.8 11.9 No linear change Not available<sup>§</sup> No change QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips) 6.6 6.2 6.7 6.9 No linear change Not available No change QN28: Percentage of students who ever used marijuana Decreased, 2013-2018 Not available No change 4.1 2.6 2.2 2.4 QN29: Percentage of students who tried marijuana for the first time before age 11 years 1.4 2.3 1.4 1.9 No linear change Not available No change

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

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

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**Trend Analysis Report** 

#### Total Alcohol and Other Drug Use

				H	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN30: different hydroco	tly than	how a d	octor to														
nyuroco	done, ai							No linear change	Not available <sup>§</sup>	Increased							
QN31:	Percenta	nge of st	udents	who eve	r used c	ocaine (	any form										
								Decreased, 2013-2018	Not available	Decreased							
QN32: inhaled						nhalants	(sniffed	l glue, b	reathed	the con	tents of	spray c	ans, or				
											7.3	5.0	6.0	5.5	No linear change	Not available	No change
QN33:	Percenta	age of st	udents	who eve	r took st	teroids v	vithout a	a doctor	's presci	ription (	pills or	shots)					
											1.8	1.0	1.6	1.3	No linear change	Not available	No change

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**Trend Analysis Report** 

Total Sexual Be	ehaviors	5		Н	ealth Ri	sk Beh	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	age of si	udents v	who eve	er had se	xual inte	ercourse	;				3.5	2.8	3.5	No linear change	Not available <sup>§</sup>	No change
QN35:	Percenta	age of st	udents	who hac	l sexual	intercou	rse for t	he first	time be	fore age	e 11 yea	rs					
												1.5	1.2	1.2	No linear change	Not available	No change
QN36:	Percenta	age of st	udents	who eve	er had se	xual inte	ercourse	with th	ree or n	nore per	rsons	0.9	0.7	0.6	No linear change	Not available	No change

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	Health Risk Behavior and Percentages           1993         1995         1997         1999         2001         2003         2007         2009         2011         2013         2014         2016         201														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38:	Percenta	ige of st	udents v	who des	cribed t	hemselv	ves as sli	ghtly or	r very o	verweig	,ht						
											22.4	23.7	23.0	24.8	No linear change	Not available <sup>§</sup>	No change
QN39:	Percenta	ige of st	udents	who we	re trying	to lose	weight										
											37.8	36.8	35.4	38.1	No linear change	Not available	No change
QN40:	Percenta	ige of st	udents	who did	not eat	breakfa	st (durin	g the 7	days be	fore the	survey)	)			· · · · · · · · · · · · · · · · · · ·		
											7.3	5.9	7.6	7.5	No linear change	Not available	No change
QNBK7	7DAY: 1	Percenta	age of st	udents v	who ate	breakfa	st on all	7 days	(during	the 7 da	ays befo	re the s	urvey)				

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**Trend Analysis Report** 

Total	
Physical Activity	

Health Risk Behavior and Percentages					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         201	11 2013	3 2014	4 201	6 2018	-		
QN41: Percentage of students who were physically active at least 60 minutes per c kind of physical activity that increased their heart rate and made them breathe hard days before the survey)							
	58.9	59.6	56.4	56.1	No linear change	Not available <sup>§</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes 1 day (in any kind of physical activity that increased their heart rate and made them during the 7 days before the survey)							
	6.5	5.2	9.2	7.0	No linear change	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minut kind of physical activity that increased their heart rate and made them breathe hard days before the survey)							
	28.9	33.2	31.3	30.3	No linear change	Not available	No change

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**Trend Analysis Report** 

				He	ealth Ri	sk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN42:	Percenta	nge of st	udents v	who wat	ched tel	evision	3 or mo	re hours	s per da	y (on ar	n averag	e schoo	l day)				
											27.5	21.7	19.4	16.5	Decreased, 2013-2018	Not available <sup>§</sup>	No change
(countin	Percentang time s	pent on nputer, 2	things s	such as p	olaying	games, v	watching	g videos	s, texting	g, or usi	ing soci	al media	t on thei	r			
average	school o	iay)									33.6	31.5	33.1	38.9	Increased, 2013-2018	Not available	No change
average	Percenta	ige of st			nded ph	ysical e	ducation	n (PE) c	lasses o	n 1 or n					Increased, 2013-2018	Not available	No change

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**Trend Analysis Report** 

Total	
Physical Activity	

				H	ealth Ri	isk Beh	avior an	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDLYI week who					no attenc	led phys	sical edu	cation (	PE) clas	sses on a	all 5 day	ys (in ar	averag	e			
											3.7	3.3	5.7	4.0	No linear change	Not available <sup>§</sup>	No change
QN45: P communi									countin	ig any te	eams ru	n by the	ir schoo	ol or			
												66.3	65.4	62.9	No linear change	Not available	No change
QN46: P times dur						ussion fi	rom play	ving a sp	oort or b	eing ph	ysically	active	(one or	more			
													14.7	13.7	No linear change	Not available	No change

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**Trend Analysis Report** 

Total Other				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN47:	Percenta	age of st	tudents	who hac	l ever be	een told	by a do	ctor or r	urse tha	at they h	nad asthi	ma					
											19.3	18.3	18.6	18.0	No linear change	Not available <sup>§</sup>	No change
QN48:	Percenta	age of st	tudents	who got	8 or mo	ore hour	s of slee	p (on ar	n averag	e schoo	l night)		<u> </u>				
											61.3	63.5	61.5	59.5	No linear change	Not available	No change
QN49:	Percenta	age of st	tudents	who des	cribed t	heir gra	des in so	chool as	mostly	A's or H	B's (duri	ng the 1	2 mont	hs			
before t	he surve	ey)										91.1	90.5	90.0	No linear change	Not available	No change
																	C

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**Trend Analysis Report** 

Total
Site-Added

				He	ealth Ri	sk Beha	wior an	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN52: Iriving	Percenta the car	ige of s	tudents	who hav	e ever r	dden in	a car dr	iven by	someo	ne who	was text	ing whi	le they	were	;		
												45.7	55.9	47.7	No linear change	Not available <sup>§</sup>	Decreased
	Percenta doing so										eks in a	row so	that the	7			
	Percenta doing so												that they 21.5	24.2	Increased, 2013-2018	Not available	No change
stopped		ome usu	al activ	ities, eve	er during	g the 12	months	before	the surv	rey)	19.4	18.2			Increased, 2013-2018	Not available	No change
stopped	doing so	ome usu	al activ	ities, eve	er during	g the 12	months	before	the surv	rey)	19.4	18.2			Increased, 2013-2018 No linear change	Not available Not available	No change No change
QN55: QN62:	doing so	age of s	tudents v	ities, eve	er durinş	g the 12 whole cig	months garette b	before efore aş	the surv	ears (for	19.4 the first 1.8	18.2 t time) 1.0	21.5 0.9	24.2			

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Total	
Site-Added	

				Н	ealth Ri	sk Beha	wior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	<b>Change from 2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN63: I flavored survey)																	
											1.3	1.3	0.6	0.3	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN64: I the surve		age of s	tudents	who trie	d or use	d tobacc	o produ	cts for t	he first	time (d	uring th	he 12 m	onths be	efore			
												2.1	1.7	1.0	Decreased, 2014-2018	Not available	Decreased
QN66: I	Percenta	age of s	tudents	who live	e with sc	meone	who nov	v smoke	es cigare	ettes or	-						,
											26.5	23.9	16.8	18.6	Decreased, 2013-2018	Not available	No change
QN67: I anywher									e their l	nome is	that sn	noking	is not al	lowed			
													87.2	84.8	No linear change	Not available	No change

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Total
Site-Added

				Н	ealth Ri	isk Beha	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN68: during tl					re in the	same ro	om witl	h someo	ne who	was sm	oking (o	on at lea	ist one o	lay			
													11.1	10.0	No linear change	Not available <sup>§</sup>	No change
QN69:				who cur	rently d	rank alco	ohol (at	least on	e drink	of alcoh	nol, on a	t least 1	day du	ring			
the 30 d	ays ber	ore the s	urvey)								6.0	4.5	4.6	3.9	Decreased, 2013-2018	Not available	No change
QN70: 1 survey)	Percent	age of s	tudents	who cur	rently u	sed mari	ijuana (o	one or m	ore tim	es durin	g the 30	) days b	efore th	e			
											3.5	2.7	1.5	2.8	No linear change	Not available	Increased
QN71: months				who we	re offere	d, sold,	or giver	n an ille	gal drug	on scho	ool prop	erty (dı	ring the	e 12			
											4.2	3.2	1.9	2.7	No linear change	Not available	No change

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

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

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Total
Site-Added

				Н	ealth Ri	sk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991 1	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN72: Per during the						st (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	ner dent	al work	,			
													77.9	76.8	No linear change	Not available <sup>§</sup>	No change
QN73: Per		ge of st	tudents	who we	re taugh	t in their	classes	about t	he dang	gers of to	obacco	use (du	ring the	last	,,		
school year	ur)										90.6	91.7	85.1	87.2	Decreased, 2013-2018	Not available	No change
QN74: Per clubs, or st				who par	ticipate	in extra	curricula	ar activi	ties at s	chool (s	such as	sports,	oand, di	ama,			
<b>eru</b> os, or se	tudent	50,011	linent)								66.7	73.1	70.0	70.9	No linear change	Not available	No change
QN77: Per friends	ercenta	ge of si	tudents	who say	definite	ly yes o	r probal	bly yes t	hat you	ing peop	ole who	smoke	have m	ore			
menus											19.7	17.4	16.8	20.6	No linear change	Not available	No change

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Total Site-Added

			Healt	h Risk Bel	navior ai	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991 1993 19	995 19	97 19	99 20	01 2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN78: Percentage or fit in	of stude	nts who	say def	initely yes	or proba	bly yes t	that smo	oking m	akes yo	ung pec	ple lool	cool			
									12.8	10.5	9.2	12.0	No linear change	Not available <sup>§</sup>	No change
QN79: Percentage drinks of an alcoho					igly disa	oprove o	of some	one thei	r age ha	iving on	e or two	)			,
				<i>y</i> = <i>y</i>							88.5	88.6	No linear change	Not available	No change
QN80: Percentage them to drink beer,												for			
									89.1	89.8	92.7	90.8	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.

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Total Site-Added	d			Н	ealth R	isk Beh	avior aı	nd Perc	entages	5					Linear Change <sup>*</sup>	Quadratic Change*	Change from
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2010	5 2018	3		2016-2018 †
QN81: Pe in other w													(physic	cally or			
											73.9	76.0	82.0	80.8	Increased, 2013-2018	Not available <sup>§</sup>	No change
QN82: Pe and in oth														cally			
											83.4	82.8	87.0	82.9	No linear change	Not available	No change
QN83: Pe to them	ercenta	ige of s	tudents	who hav	ve an ad	ult outsi	de of sc	hool the	ey can ta	alk to at	oout thi	ngs that	are imp	ortant			
											88.9	91.0	89.8	88.7	No linear change	Not available	No change
QN84: Pe parents if								eking he	lp from	one or	more a	dults be	sides th	eir			
											83.5	83.7	81.8	80.3	No linear change	Not available	No change
													-		-		

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Total
Site-Added

				H	ealth Ri	isk Beh	avior aı	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN85: 1 had (dur		0				teacher	or other	adult in	their so	chool ab	oout a po	ersonal	problem	they			
											30.0	31.2	31.6	28.8	No linear change	Not available <sup>§</sup>	No change
QN86: 1 a lot of e			udents	who stro	ongly ag	ree or a	gree tha	t their te	achers	really ca	are abou	it them	and give	them			
											64.7	62.1	62.0	60.1	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male		
Injury	and	Violence

njur y an				Не	ealth Ri	isk Beha	avior an	d Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN6: Po bicycle)		ge of stu	dents w	ho rarel	y or nev	ver wore	a bicyc	le helm	et (amor	ng stude	ents who	o had rie	dden a				
											45.5	42.3	40.2	36.0	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN7: Po students							a helme	et when	rollerbl	ading o	r skateb	oarding	g (among	5	· · · · ·		
											62.5	55.3	53.7	51.9	Decreased, 2013-2018	Not available	No change
QN8: Po	ercentag	ge of stu	dents w	ho rarel	y or nev	ver wore	a seat b	elt (who	en riding	g in a ca	ur)	,			·		
											4.0	3.1	2.3	3.0	No linear change	Not available	No change
QN9: Po	ercentag	ge of stu	dents w	ho ever	rode wi	th a driv	ver who	had bee	en drinki	ng alco	hol (in	a car)					

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

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

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN10:	Percenta	age of s	tudents	who eve	er carrie	d a weaj	pon (suc	h as a g	un, knife	e, or clu	b)						
											36.5	30.0	39.6	30.8	No linear change	Not available <sup>§</sup>	Decreased
QN11:	Percenta	age of s	tudents	who we	re ever i	in a phy	sical fig	ht									
											55.1	52.4	55.5	48.1	Decreased, 2013-2018	Not available	No change
QN14:	Percenta	age of s	tudents	who eve	er seriou	sly thou	ght abo	ut killin	g themse	elves	11.7	10 (	145	10.0		N	
											11.7	12.6	14.7	18.2	Increased, 2013-2018	Not available	No change
QN15:	Percenta	age of s	tudents	who eve	er made	a plan a	bout ho	w they v	vould ki	ll thems	selves		0.4	0.0	XY 1' 1	NT / 1111	NY 1
													9.4	9.9	No linear change	Not available	No change
QN16:	Percenta	age of s	tudents	who eve	er tried t	o kill th	emselve	s					2.0	5.0	No linear shance	Not available	No shanga
													3.9	5.0	No linear change	Not available	No change

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

Male

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male Tobacco	Use																
				H	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN17:	Percent	age of s	tudents	who eve	er tried c	cigarette	smokin	g (even	one or 1	two puff	fs)		3.4	2.7	No linear change	Not available <sup>§</sup>	No change
QN18: puffs)	Percent	age of s	tudents	who trie	d cigare	ette smo	king for	the firs	t time b	efore ag	e 11 ye	ars (eve	n one or 0.9	r two 1.8	No linear change	Not available	No change
QN19: survey)	Percent	age of s	tudents	who cur	rently s	moked c	igarette	s (on at	least 1	day duri	ng the 3	30 days 0.9	before t	he 0.5	Not available	Not available	Not available
QNFRC days bei				ents wh	o currer	ntly smo	ked ciga	arettes fi	requentl	y (on 20	) or mo 0.6	re days	during t	he 30 0.0	Not available	Not available	Not available

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

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male Tobacco Use

					Н	lealth R	isk Beh	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	19	95	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QNDAY before th			entag	ge of st	udents	who cur	rently sn	noked ci	garettes	daily (	on all 30	) days d	uring th	ie 30 da	ys			
												0.6	0.0	0.0	0.0	Not available	Not available <sup>§</sup>	Not available
QN21:	Percer	itage (	of stu	udents	who ev	er used a	an electro	onic vap	or prod	uct			10.2	9.2	10.3	No linear change	Not available	No change
QN22: 1 before th			of stu	udents	who cu	rrently u	ised an e	lectroni	c vapor	product	(on at l	east 1 d	ay durir	ng the 3	0 days			
		- , ,											4.7	1.7	2.2	Decreased, 2014-2018	Not available	No change
QNFRE during tl						ho curre	ntly used	l electro	nic vapo	or produ	icts freq	uently (	(on 20 o	r more	days			
													0.4	0.0	0.3	Not available	Not available	Not available

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male	
Tobacco	Use

			He	ealth Ri	sk Beh	avior ar	nd Perc	entages	5					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QNDAYEVP: he 30 days befo			udents v	who cur	rently us	sed elect	ronic v	apor pro	oducts d	aily (on	all 30 c	lays du	ring			
											0.2	0.0	0.1	Not available	Not available <sup>§</sup>	Not available
lissolvable toba	acco proc	ducts [s	uch as C	Copenha	gen, Gri	zzly, Sk	oal, or	Camel S					nic			
QN24: Percent lissolvable toba apor products,	acco proc	ducts [s	uch as C	Copenha	gen, Gri	zzly, Sk	oal, or	Camel S					nic 1.4	No linear change	Not available	No change
lissolvable toba	acco proc , on at lea	ducts [s ast 1 day	uch as C y during who cur	Copenha the 30	gen, Gri days bef	zzly, Sk fore the	toal, or survey)	Camel S	Snus], n	ot count	ing any	electro	1.4	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 *
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
2N26:	Percenta	age of st	udents v	who eve	r drank	alcohol	(other the contract of the con	han a fe	w sips)		1						
																NT	No change
											14.9	11.5	10.2	10.5	No linear change	Not available <sup>§</sup>	No change
											14.9	11.5	10.2	10.5	No linear change	Not available <sup>8</sup>	
QN27:	Percenta	age of s	udents v	who drai	nk alcoł	nol for tl	he first t	ime bef	ore age	11 year					No linear change	Not available <sup>s</sup>	
QN27:	Percenta	age of st	udents v	who drai	nk alcoł	nol for tl	he first t	ime bef	ore age	11 year					No linear change	Not available <sup>3</sup>	No change
QN27:	Percenta	age of st	udents v	who drai	nk alcoł	nol for tl	he first t	ime bef	ore age	11 year	s (other	than a f	ew sips	)			
-	Percenta							ime bef	ore age	11 year	s (other	than a f	ew sips	)			
_								ime bef	ore age	11 year	s (other	than a f	ew sips	) 6.3			
QN28:		age of st	udents v	who eve	r used n	narijuan	a				s (other 7.9 5.6	than a f 7.3	ew sips 5.9	) 6.3	No linear change	Not available	No change

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

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

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

#### Male Alcohol and Other Drug Use

				H	ealth Ri	sk Beha	wior an	d Perce	entages						Linear Change*	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN30: I different	tly than	how a d	loctor to														
hydrocod	done, ar	ia Perco	(cet)										2.8	6.4	Increased, 2016-2018	Not available <sup>§</sup>	Increased
QN31: I	Percenta	age of st	tudents	who eve	r used c	ocaine (	any form	n of coc	aine, in	cluding	powder	r, crack	or freeb	oase)			
											2.7	2.3	2.0	1.8	No linear change	Not available	No change
QN32: I inhaled a						nhalants	(sniffed	l glue, b	reathed	the con	tents of	spray c	ans, or				
											7.4	4.4	5.4	4.9	No linear change	Not available	No change
QN33: I	Percenta	age of st	tudents	who eve	r took s	teroids v	vithout a	a doctor	's presci	ription (	pills or	shots)					
											2.0	1.1	1.5	1.5	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.

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

				He	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	age of st	udents w	vho eve	had sez	xual inte	ercourse	:				4.6	3.0	3.8	No linear change	Not available <sup>§</sup>	No change
	Domoonto	age of st	udente v				noo for t	ha first	time het	forma a cara			-				
QN35:	Percenta	ige of st	uuents v	vno nad	sexual	intercou	ise for t	ne m st	ume bei	lore age	11 year	rs					
QN35:	reicenta		uuents v	who nad	sexual	intercou		ne mst		lore age	11 year	rs 2.2	1.4	1.2	No linear change	Not available	No change

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

				Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38:	Percenta	ige of st	udents	who des	cribed t	hemselv	ves as sli	ghtly or	very o	verweig	ht		:				
											21.3	22.7	21.0	23.1	No linear change	Not available <sup>§</sup>	No change
QN39:	Percenta	ige of st	udents	who we	re trying	to lose	weight			······	•						
											30.9	31.9	28.0	32.4	No linear change	Not available	No change
QN40:	Percenta	ige of st	udents	who did	not eat	breakfa	st (durin	g the 7	days be	fore the	survey	)		·			
											7.2	4.7	5.0	5.7	No linear change	Not available	No change
	7DAY: 1	Percenta	age of st	udents	who ate	breakfa	st on all	7 days	(during	the 7 da	ays befo	ore the s	urvey)				
VI UIX			0					2	. 0		-		•				

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male
Physical Activity

Health Risk Behavior and Percentages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         2	2011 20	13 20	)14 2	016	2018	-		
QN41: Percentage of students who were physically active at least 60 minutes per kind of physical activity that increased their heart rate and made them breathe had days before the survey)								
	68.2	2 65.	7 65	.0	62.6	No linear change	Not available <sup>§</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minute 1 day (in any kind of physical activity that increased their heart rate and made the during the 7 days before the survey)								
	5.7	4.9	) 7.	.9	6.4	No linear change	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 min kind of physical activity that increased their heart rate and made them breathe has days before the survey)	utes per d rd some o	lay on a f the tir	ll 7 day ne duri	ys (in ng th	any e 7			
	36.8	8 41.	7 39	.8	36.5	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN42:	Percenta	age of st	tudents	who wat	tched te	levision	3 or mo	ore hour	s per da	y (on an	averag	e schoo	l day)				
											28.2	21.5	17.1	13.8	Decreased, 2013-2018	Not available <sup>§</sup>	No change
(countir smartph	Percentang time s one, cor school o	spent on mputer,	things s	such as j	playing	games,	watchin	g videos	s, texting	g, or usi	ng soci	al media	t on the	r	Increased, 2013-2018	Not available	No change
(countir smartph average QN44:	ng time s ione, cor	spent on mputer, day) age of st	things s Xbox, P	such as j layStati who atte	olaying on, iPac	games, <sup>-</sup> l, or oth	watchin er tablet	g videos	s, texting mething	g, or usi that wa	ng soci s not sc 34.3	al media hool wo 30.3	a on thei ork, on a 32.8	r n 38.8	Increased, 2013-2018	Not available	No change

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

Male
<b>Physical Activity</b>

				H	ealth Ri	isk Beh	avior ar	nd Perce	entages	•					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDLY week wl					io attenc	led phys	sical edu	cation (	(PE) cla	sses on	all 5 da	ys (in ar	averag	ge			
											3.5	4.4	5.9	5.4	No linear change	Not available <sup>§</sup>	No change
QN45: commur									(countir	ng any te	eams ru	n by the	ir schoo	ol or			
												69.7	70.7	66.6	No linear change	Not available	No change
QN46: times du						ussion fi	rom play	ving a sp	port or t	being ph	iysically	v active	(one or	more			

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male Other				Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QN47:	Percenta	age of st	udents	who hac	l ever be	en told	by a do	ctor or n	urse tha	at they h	nad asthi	ma					
											23.0	18.7	18.6	17.9	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN48:	Percenta	age of st	udents	who got	8 or mo	ore hour	s of slee	p (on ar	n averag	e schoo	ol night)						
											64.0	66.3	66.2	65.6	No linear change	Not available	No change
QN49: before t			udents	who des	cribed t	heir grad	des in so	chool as	mostly	A's or I	3's (duri	ng the 1	2 mont	hs			
												89.4	88.0	87.7	No linear change	Not available	No change

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

Male
Site-Added

				Не	alth Ri	sk Beha	vior and	l Perce	ntages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN52: F driving tl		ge of st	udents v	vho have	e ever ri	dden in	a car dri	ven by	someon	e who v	was tex	ting wh	ile they	were			
Ũ												41.2	48.9	46.1	No linear change	Not available <sup>§</sup>	No change
QN54: F stopped o											eks in a 13.9	row so 14.8	that the 17.5	y 19.5	Increased, 2013-2018	Not available	No change
0155 1	Percenta	ge of st	udents v	vho smo	kad a w												
QN55: I		8			Keu a w	hole cig	arette be	efore ag	e 11 ye	ars (for	the firs	t time)					
QN55: I		6			KUU A W	hole cig	arette be	efore ag	e 11 yea	ars (for	the firs 2.9	t time) 1.1	0.5	1.2	No linear change	Not available	No change
QN55: F QN62: F little ciga		ge of st	udents v								2.9	1.1			No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male
Site-Added

Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN63: 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)																	
survey)											2.0	1.5	0.4	0.4	Decreased, 2013-2018	Not available <sup>§</sup>	No change
	QN64: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey)																
	- , ,											2.1	1.3	0.7	Decreased, 2014-2018	Not available	No change
QN66: 1	Percent	age of s	tudents	who live	e with so	omeone	who nov	w smoke	es cigare	ettes or	cigars						
											27.6	23.1	16.1	17.7	Decreased, 2013-2018	Not available	No change
	QN67: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches)																
													89.3	85.3	No linear change	Not available	Decreased

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male
Site-Added

				H	ealth Ri	sk Beha	avior an	d Perce	entages	5					Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percent he 7 day				re in the	same ro	om with	n someo	one who	was sm	oking (	on at le	ast one o	lay			
													9.5	9.2	No linear change	Not available <sup>§</sup>	No change
	<u> </u>																
	Percent lays befo			who cur	rently di	ank alco	ohol (at	least on	e drink	of alcol	nol, on a 5.2	at least 1	day du 4.1	ring 3.5	No linear change	Not available	No change
he 30 c	lays before Percent	ore the s	survey)		rently di						5.2	4.9	4.1	3.5	No linear change	Not available	No change
he 30 c	lays before Percent	ore the s	survey)								5.2	4.9	4.1	3.5	No linear change	Not available Not available	No change No change
he 30 c 2N70: urvey) 2N71:	lays before Percent	age of s	tudents	who cur		sed mari	juana (c	one or m	nore tim	nes durir	5.2 ng the 30 3.9	4.9 0 days b 3.0	4.1 efore th 1.2	3.5 e 2.8			

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

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Male Site-Added

				H	ealth Ri	sk Beha	avior ar	nd Perce	entages						Linear Change*	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	<b>2018</b>			
QN72: P during the						st (for a	check-1	ıp, exan	n, teeth	cleaning	g, or oth	her dent	al work	,			
													76.8	75.9	No linear change	Not available <sup>§</sup>	No change
QN73: P		age of st	tudents	who we	re taugh	t in their	r classes	about t	he dang	ers of to	bacco	use (du	ring the	last			
school ye	ear)										90.2	91.0	84.7	88.3	No linear change	Not available	No change
QN74: P clubs, or				who par	ticipate	in extra	curricula	ar activi	ties at s	chool (s	uch as	sports,	band, dı	ama,			
											63.1	69.5	68.1	66.9	No linear change	Not available	No change
QN77: P	Percenta	age of st	tudents	who say	definite	ely yes o	or probal	oly yes t	hat you	ng peop	le who	smoke	have m	ore			
friends											19.7	16.6	17.0	18.5	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.

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

Male
Site-Added

				H	ealth Ri	sk Beha	vior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN78: 1 or fit in	Percenta	age of st	udents	who say	definite	ly yes o	r probab	oly yes t	hat smo	king ma	akes you	ung peo	ple look	cool			
											14.0	10.9	9.5	9.6	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN79: 1 drinks of							ly disap	prove o	f someo	one their	age ha	ving on	e or two	)			
			0	5	2	5											
													87.6	88.2	No linear change	Not available	No char
QN80: I													wrong		No linear change	Not available	No change

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

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Vale Site-Added				H	ealth R	lisk Beh	avior aı	nd Perc	entages	5					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 19	93 19	95	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	1		
QN81: Perc in other way													(physic	cally or			
											73.3	72.6	79.6	79.5	Increased, 2013-2018	Not available <sup>§</sup>	No change
QN82: Perc and in other														cally	·		
											82.8	81.0	85.0	81.0	No linear change	Not available	No change
QN83: Perc to them	entage	of stu	dents	who hav	ve an ad	lult outsi	de of sc	hool the	ey can ta	alk to al	out this	ngs that	are imp	ortant			
											88.4	91.4	90.0	89.5	No linear change	Not available	No change
QN84: Perc parents if the								eking he	lp from	one or	more a	dults be	sides th	eir			
											83.4	84.1	82.9	83.4	No linear change	Not available	No change
	_												_	-			

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

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

Male Site-Added

	Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN85: had (dur		0				teacher	or other	adult in	their so	chool at	oout a pe	ersonal	problem	they			
× ×	U				5,						23.7	28.7	29.8	28.3	No linear change	Not available <sup>§</sup>	No change
QN86: a lot of e		0	udents v	who stro	ongly ag	ree or a	gree tha	t their te	eachers	really ca	are abou 65.4	1t them 66.2	and give	e them 63.2	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female	
Injury and	Violence

	Health Risk Behavior and Percentages 991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 201														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN6: Pe picycle)	ercenta	ge of st	udents v	who rare	ly or nev	ver wore	a bicyc	le helme	et (amor	ng stude	ents who	o had ri	dden a				
•											36.8	36.2	36.3	36.5	No linear change	Not available <sup>§</sup>	No change
				who rare or rode			a helme	et when	rollerbl	ading o	r skateb 57.3	ooarding 54.0	g (amon 51.3	g 57.6	No linear change	Not available	No change
QN8: Pe	ercenta	ge of st	udents v	who rare	ly or nev	ver wore	a seat b	elt (whe	en riding	g in a ca		• •					
											3.8	3.0	2.6	3.7	No linear change	Not available	No change
QN9: Pe	ercenta	ge of st	udents v	who ever	rode wi	th a driv	ver who	had bee	n drinki	ing alco	hol (in	a car)					
											18.2	15.5	20.3	16.7	No linear change	Not available	No change

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior ar	Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>							
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	i		
QN10:	Percenta	ige of st	udents	who eve	er carried	d a wear	oon (suc	h as a g	ın, knife	e, or clu	ıb) 16.1	14.0	18.7	16.6	No linear change	Not available <sup>§</sup>	No change
QN11:	Percenta	ige of st	udents	who we	re ever i	n a phys	sical figl	nt			29.6	27.0	31.5	26.3	No linear change	Not available	No change
QN14:	Percenta	ige of st	udents	who eve	r seriou	sly thou	ght abo	ıt killinş	g themse	elves	21.1	19.0	25.4	27.9	Increased, 2013-2018	Not available	No change
QN15:	Percenta	ige of st	udents	who eve	r made	a plan a	bout hov	w they v	vould ki	ll them	selves		14.1	19.6	Increased, 2016-2018	Not available	Increased
QN16:	Percenta	ige of st	udents	who eve	er tried to	o kill the	emselve	s					6.6	9.1	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.

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

'emale 'obacco	Use																
				He	ealth Ri	sk Beha	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN17:	Percenta	age of st	udents v	who eve	r tried c	igarette	smokin	g (even	one or t	wo puff	fs)			÷			
													2.6	3.1	No linear change	Not available <sup>§</sup>	No change
QN18: puffs)	Percenta	age of st	udents v	who trie	d cigare	tte smol	king for	the firs	t time be	efore ag	e 11 ye	ars (eve	n one oi	two			
													1.9	1.7	No linear change	Not available	No change
QN19: survey)	Percenta	age of st	udents v	who curi	ently sr	noked c	igarette	s (on at	least 1 o	lay duri	ng the 3	30 days	before t	he			
											0.9	0.5	0.3	0.7	No linear change	Not available	No change
QNFRC days bef			of stude	ents who	o curren	tly smol	ked ciga	arettes fi	requentl	y (on 20	) or mo	e days	luring t	he 30			
											0.1	0.0	0.1	0.1	Not available	Not available	No change

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

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female	
Tobacco Use	

				H	ealth Ri	sk Beha	avior aı	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QNDAY before th			ige of st	udents v	vho curr	ently sn	noked ci	garettes	daily (	on all 3(	) days d	uring tl	ne 30 da	iys			
											0.0	0.0	0.1	0.1	Not available	Not available <sup>§</sup>	No change
QN21: 1	Percent	age of s	tudents	who eve	r used a	n electro	onic var	oor prod	uct			9.1	10.3	14.7	No linear change	Not available	No change
QN22: 1 before th			tudents	who cur	rently u	sed an e	lectroni	c vapor	product	(on at l	east 1 d	ay duri	ng the 3	0 days			
												3.2	1.2	3.3	No linear change	Not available	Increased
QNFRE during th					o currer	tly used	l electro	nic vap	or produ	icts freq	uently (	(on 20 c	or more	days			
												0.2	0.1	0.2	Decreased, 2014-2018	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female Fobacco 1	Use			H	ealth Ri	isk Beha	avior ar	nd Perc	entages	i					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNDAY the 30 da				udents v	who cur	rently us	sed elect	tronic v	apor pro	oducts d	aily (on	all 30 d	ays duri	ng			
												0.1	0.1	0.2	Decreased, 2014-2018	Not available <sup>§</sup>	No change
QN24: 1 dissolval vapor pr	ble toba	cco pro	ducts [s	uch as C	Copenha	gen, Gri	izzly, Sk	coal, or	Camel S					nic 2.3	Increased, 2016-2018	Not available	Increased
QN25: 1 during th					rently si	moked c	igars (c	igars, ci	garillos	, or little	e cigars,	on at le	ast 1 da	у			
											0.7	1.2	0.6	1.0	No linear change	Not available	No change

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

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female Alcohol a	and Oth	er Drug	g Use	Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26:	Percenta	age of st	tudents	who eve	er drank	alcohol	(other tl	nan a fe	w sips)		14.5	9.7	15.4	12.8	No linear change	Not available <sup>§</sup>	No change
QN27:	Percenta	age of st	tudents	who dra	nk alcol	nol for tl	he first t	ime bef	ore age	11 year	s (other	than a f	few sips	)			
											5.4	5.0	7.3	7.3	No linear change	Not available	No change
QN28:	Percenta	age of st	tudents	who eve	er used n	narijuan	a										
											2.6	2.2	2.4	2.6	No linear change	Not available	No change
QN29:	Percenta	age of st	tudents	who trie	d mariju	ana for	the first	time be	efore ag	e 11 yea	ars 1.0	2.2	1.5	2.0	No linear change	Not available	No change

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

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female				
Alcohol	and	Other	Drug	Use

			He	ealth Ris	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
ly than	how a d	octor to														
uone, u		000)										4.1	6.2	No linear change	Not available <sup>§</sup>	No change
	.50 01 30			. used et						1.4	2.6	3.6	0.7	No linear change	Not available	Decreased
					halants	(sniffed	glue, b	reathed	the con	tents of	spray o	cans, or				
J I M	I I I I		,							7.0	5.7	6.5	5.7	No linear change	Not available	No change
_		udante i		1						.11	1					
Percenta	ige of si	uuents v	vno eve	r took st	eroids v	vithout a	a doctor	's presci	ription (	pills or	shots)					
1	Percenta tly than done, an Percenta Percenta	Percentage of sti tly than how a do done, and Perco Percentage of sti Percentage of sti	Percentage of students v tly than how a doctor tol done, and Percocet) Percentage of students v Percentage of students v	1993199519971999Percentage of students who evently than how a doctor told them done, and Percocet)Percentage of students who eventlyPercentage of students who evently	19931995199719992001Percentage of students who ever took prtly than how a doctor told them to use itdone, and Percocet)Percentage of students who ever used complete	199319951997199920012003Percentage of students who ever took prescriptitly than how a doctor told them to use it (countidone, and Percocet)Percentage of students who ever used cocaine (Percentage of students who ever used inhalants	1993199519971999200120032005Percentage of students who ever took prescription pain tly than how a doctor told them to use it (counting drug done, and Percocet)Percentage of students who ever used cocaine (any form Percentage of students who ever used inhalants (sniffed	19931995199719992001200320052007Percentage of students who ever took prescription pain medicin tly than how a doctor told them to use it (counting drugs such a done, and Percocet)Percentage of students who ever used cocaine (any form of coc Percentage of students who ever used inhalants (sniffed glue, b	Percentage of students who ever took prescription pain medicine withoutly than how a doctor told them to use it (counting drugs such as codein done, and Percocet) Percentage of students who ever used cocaine (any form of cocaine, in Percentage of students who ever used inhalants (sniffed glue, breathed	1993       1995       1997       1999       2001       2003       2005       2007       2009       2011         Percentage of students who ever took prescription pain medicine without a doctly than how a doctor told them to use it (counting drugs such as codeine, Vico done, and Percocet)         Percentage of students who ever used cocaine (any form of cocaine, including         Percentage of students who ever used inhalants (sniffed glue, breathed the con	1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013         Percentage of students who ever took prescription pain medicine without a doctor's prescription how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxdone, and Percocet)       Nicodine       Nicodine	1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014         Percentage of students who ever took prescription pain medicine without a doctor's prescription that how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin done, and Percocet)       Vicodin, Oxycontin         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack 1.4       2.6         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray of any paints or sprays to get high)	1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016         Percentage of students who ever took prescription pain medicine without a doctor's prescription or thy than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)       4.1         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freet       1.4       2.6       3.6         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)       Sniffed glue, breathed the contents of spray cans, or	1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)       4.1       6.2         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)         1.4       2.6       3.6       0.7         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)	1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)       4.1       6.2       No linear change         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)         1.4       2.6       3.6       0.7       No linear change         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)	1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or thy than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)       4.1       6.2       No linear change       Not available <sup>§</sup> Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)       1.4       2.6       3.6       0.7       No linear change       Not available         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)       Not available       Image: Students of the students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)       Not available

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female Sexual B	ehavior	s		н	ealth R	isk Beh	avior an	d Perc	entages	1					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percent	age of s	tudents	who eve	er had se	exual int	ercourse	;				2.4	2.4	2.8	No linear change	Not available <sup>§</sup>	No change
QN35:	Percent	age of s	tudents	who hac	l sexual	intercou	rse for t	he first	time be	fore age	e 11 yea	rs					
												0.8	0.8	0.9	No linear change	Not available	No change
QN36:	Percent	age of s	tudents	who eve	er had se	exual int	ercourse	with th	nree or r	nore per	rsons	0.5	0.3	0.3	No linear change	Not available	No change

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

				H	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38:	Percenta	age of st	udents	who des	cribed t	hemselv	es as sli	ghtly or	very ov	verweig	ht						
											23.6	24.8	25.2	26.3	No linear change	Not available <sup>§</sup>	No change
QN39:	Percenta	ige of st	udents	who we	re trying	g to lose	weight										
											45.2	42.0	42.7	43.8	No linear change	Not available	No change
QN40:	Percenta	age of st	udents	who did	not eat	breakfa	st (durin	g the 7	days bei	fore the	survey	)					
											7.5	7.1	9.9	9.2	No linear change	Not available	No change
QNBK7	DAY: 1	Percenta	ige of st	udents v	who ate	breakfa	st on all	7 days (	(during	the 7 da	ays befo	ore the s	urvey)				
											54.0	53.3	49.0	49.6	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female
<b>Physical Activity</b>

Health Risk Behavior and Percentag	es					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991         1993         1995         1997         1999         2001         2003         2005         2007         200	9 2011	2013	2014	2016	<b>2018</b>	-		
QN41: Percentage of students who were physically active at least 60 minute kind of physical activity that increased their heart rate and made them breath days before the survey)								
	43	8.7	52.9	47.4	49.3	No linear change	Not available <sup>§</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 r 1 day (in any kind of physical activity that increased their heart rate and mac during the 7 days before the survey)								
	7	7.3	5.5	10.4	7.3	No linear change	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 kind of physical activity that increased their heart rate and made them breath days before the survey)								
	20	0.2	23.9	22.6	23.7	No linear change	Not available	No change

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

				He	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN42:	Percenta	age of st	udents v	vho wat	ched tel	levision	3 or mo	ore hours	s per day	y (on an	averag	e schoo	l day)				
											26.6	22.0	21.4	19.0	Decreased, 2013-2018	Not available <sup>§</sup>	No change
											20.0	22.0			·		0
													-		,		
(countir smartph	Percentang time s	pent on nputer,	things s	uch as p	olaying	games,	watchin	g videos	, texting	g, or usi	ter 3 or ng soci	more ho al media	ours per	day r			
(countir smartph	ng time s ione, cor	pent on nputer,	things s	uch as p	olaying	games,	watchin	g videos	, texting	g, or usi	ter 3 or ng soci	more ho al media	ours per	day r	No linear change	Not available	No change
(countir smartph average QN44:	ng time s ione, cor	pent on nputer, day) age of st	things s Xbox, P	uch as r layStation	olaying on, iPad	games, <sup>,</sup> l, or oth	watching er tablet	g videos , for sor	, texting nething	g, or usi that wa	ter 3 or ng soci s not sc 32.8	more ho al media hool wo 32.8	ours per a on thei ork, on a 33.5	day r n 39.2		Not available	

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female
<b>Physical Activity</b>

				H	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 199	3 19	95	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDLYPE: week when th					io attenc	led phys	sical edu	cation (	PE) clas	sses on a	all 5 day	ys (in an	averag	e			
											3.9	2.2	5.5	2.5	No linear change	Not available <sup>§</sup>	No change
QN45: Perce community g									(countin	g any te	eams rui	n by the	ir schoo	l or			
												62.6	60.0	59.0	No linear change	Not available	No change
QN46: Perce times during						ussion f	rom play	ying a sp	oort or b	eing ph	ysically	active (	one or	more			
													12.6	11.4	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female Other				н	ealth R	isk Beh	avior ar	nd Perc	entages	i					Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		2010-2010
QN47: 1	Percenta	age of st	tudents	who hac	l ever be	en told	by a doo	ctor or r	urse that	at they h	nad asth	ma					
											15.4	18.0	18.7	18.3	No linear change	Not available <sup>§</sup>	No change
QN48: 1	Percenta	age of st	tudents	who got	8 or mo	ore hour	s of slee	ep (on ai	n averag	ge schoo	l night)						
											58.3	60.5	57.0	53.3	No linear change	Not available	No change
QN49: 1 before th			tudents	who des	cribed t	heir gra	des in so	chool as	mostly	A's or I	3's (duri	ng the 1	12 mon	hs			
												92.7	93.1	92.6	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female
Site-Added

				He	ealth Ri	sk Beha	ivior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN52:	Percenta	ige of st	udents	who hav	e ever r	idden in	a car dr	iven by	someo	ne who	was text	ing whi	le they	were			
ii i iiig i	une cui											50.7	63.4	49.4	No linear change	Not available <sup>§</sup>	Decreased
	Percenta doing so										eks in a	row so f	hat they	7			
														28.8	No linear change	Not available	No change
topped		ome usu	al activ	ities, eve	er during	g the 12	months	before t	the surv	rey)	25.4	21.7			No linear change	Not available	No change
topped	doing so	ome usu	al activ	ities, eve	er during	g the 12	months	before t	the surv	rey)	25.4	21.7			No linear change	Not available Not available	No change No change
(N55: 2002) 2002:	doing so	age of st	udents v	who smo	er durinş	g the 12 whole cig	months garette b	before t	the surv	ears (for	25.4 the first 0.8	21.7 (time) 0.8	25.8	28.8 0.8			

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female Site-Adde	ed Health Risk Behavior and Percentages									Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN63: 1 flavored survey)																	
•											0.5	1.0	0.6	0.2	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN64: 1 the surve		age of st	tudents	who trie	d or use	ed tobaco	co produ	icts for	the first	time (d	uring th	ne 12 mo	onths be	fore	· · · · · · · · · · · · · · · · · · ·		
	- , ,											2.0	2.0	1.3	No linear change	Not available	No change
QN66: 1	Percenta	age of st	tudents	who live	e with s	omeone	who no	w smok	es cigar	ettes or	cigars						
											25.5	24.4	17.4	19.7	Decreased, 2013-2018	Not available	No change
QN67: 1 anywher									le their	home is	that sm	noking is	s not all	owed			
													85.1	84.2	No linear change	Not available	No change

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female
Site-Added

ite-Add	cu			H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	<b>Change from 2016-2018</b> <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percenta he 7 day				re in the	same ro	oom witl	n someo	ne who	was sm	oking (	on at lea	ast one c	lay			
													12.6	10.9	No linear change	Not available <sup>§</sup>	No change
	Percenta			who cur	rently di	rank alco	ohol (at	least on	e drink	of alcoh	iol, on a	t least 1	day du	ring			
ine so d	ays befo	ore the s	urvey)								6.7	3.9	4.9	4.2	No linear change	Not available	No change
QN70: survey)	Percenta	ige of st	udents v	who cur	rently us	sed mari	juana (o	one or m	ore tim	es durin	g the 30	) days b	efore th	e	······		
											3.0	2.3	1.5	2.7	No linear change	Not available	No change
	Percenta before th			who wei	re offere	d, sold,	or giver	an illeg	gal drug	on scho	ool prop	erty (du	uring the	e 12			,

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

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

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

Female
Site-Added

ite-Auu				H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
	Percenta he 12 m					st (for a	check-u	ıp, exan	n, teeth	cleaning	g, or otł	ner dent	al work	,			
													79.3	77.9	No linear change	Not available <sup>§</sup>	No change
QN73:	Percenta	age of st	udents	who wei	re taught	in their	classes	about t	he dang	ers of to	bacco	use (du	ring the	last			
senioor y	(car)										91.2	92.3	85.5	86.2	Decreased, 2013-2018	Not available	No change
	Percenta r student			who par	ticipate	in extrac	curricula	ar activi	ties at s	chool (s	uch as	sports,	band, dr	ama,			
		-									70.4	76.6	71.8	75.0	No linear change	Not available	No change
QN77:	Percenta	age of st	udents	who say	definite	ly yes o	or probat	oly yes t	hat you	ng peop	le who	smoke	have m	ore	· · · · · ·		
friends																	

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

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

Female
Site-Added

		He	ealth Ri	isk Beha	avior ar	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from</b> <b>2016-2018</b> <sup>†</sup>
1991 1993 1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN78: Percentage of stu or fit in	udents w	vho say	definite	ely yes o	or probal	oly yes t	that smc	king m	akes yo	ung peo	ple lool	cool			
									11.4	10.2	8.7	14.7	Increased, 2013-2018	Not available <sup>§</sup>	Increased
QN79: Percentage of studrinks of an alcoholic be					gly disap	oprove o	of some	one their	r age ha	wing on	e or two	)			
											89.7	89.1	No linear change	Not available	No change
QN80: Percentage of stu them to drink beer, wine												for			
									90.2	91.1	93.5	92.1	No linear change	Not available	No change

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Howard County

**Trend Analysis Report** 

Female Site-Added	Health Risk Behavior and Percentages									Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>				
1991 199	3 1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	8		
QN81: Perce in other ways												(physic	ally or			
										74.9	79.3	84.5	82.2	Increased, 2013-2018	Not available <sup>§</sup>	No change
QN82: Perce and in other v													ally 84.9	No linear change	Not available	No change
QN83: Perce to them	ntage of	students	who hav	ve an adu	ult outsi	de of sc	hool the	ey can ta	alk to ab	oout thi	ngs that	are imp	ortant			
										89.5	90.5	89.4	88.2	No linear change	Not available	No change
QN84: Perce parents if the							king he	lp from	one or	more a	dults be	sides the	eir			
										83.5	83.5	80.6	77.1	Decreased, 2013-2018	Not available	No change

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Female
Site-Added

				H	ealth Ri	isk Beh	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN85: had (du		0				teacher	or other	adult in	their so	chool at	out a pe	ersonal	problem	they			
											36.8	33.9	33.7	29.6	No linear change	Not available <sup>§</sup>	No change
QN86: a lot of			udents v	who stro	ongly ag	ree or a	gree tha	t their te	achers	really ca	are abou	it them	and give	them			
											63.9	58.1	58.7	56.9	No linear change	Not available	No change

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Trend Analysis Report

				ł	Iealth F	Risk Beł	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN6: Po bicycle)	ercenta	ge of stu	idents w	ho rarel	y or nev	ver wore	a bicyc	le helm	et (amor	ng stude	ents who	o had rie	dden a				
											25.8	25.0	23.4	17.9	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
QN7: Postudents							a helme	et when	rollerbl	ading o	or skateb	oarding	g (among	5	· · · · ·		
											49.6	46.8	40.9	45.2	No linear change	Not available	No change
QN8: P	ercentag	ge of stu	idents w	ho rarel	y or nev	ver wore	a seat b	elt (who	en riding	g in a c	ar)						
											1.9	1.4	0.7	1.6	No linear change	Not available	No change
QN9: P	ercentag	ge of stu	idents w	ho ever	rode wi	ith a driv	ver who	had bee	n drinki	ing alco	ohol (in	a car)					
											18.8	16.4	17.4	16.3	No linear change	Not available	No change

White\*

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

Maryland Middle School Survey

Howard County

Trend Analysis Report

White* Injury a	nd Viol	ence		F	Iealth F	Risk Beł	navior a	nd Pero	centage	s					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	1		
QN10:	Percent	age of s	tudents	who eve	er carried	d a wear	oon (suc	h as a g	un, knife	e, or clu	ıb) 30.5	25.6	33.7	25.6	No linear change	Not available <sup>¶</sup>	Decreased
QN11:	Percent	age of s	tudents	who we	re ever i	in a phys	sical figl	nt			35.2	32.6	31.7	27.8	No linear change	Not available	No change
QN14:	Percent	age of s	tudents	who eve	er seriou	sly thou	ght abo	ıt killin	g thems	elves	12.4	13.4	16.5	21.8	Increased, 2013-2018	Not available	No change
QN15:	Percent	age of s	tudents	who eve	er made	a plan a	bout hov	w they v	vould ki	ll them	selves		9.7	14.0	Increased, 2016-2018	Not available	Increased
QN16:	Percent	age of s	tudents	who eve	er tried t	o kill the	emselve	s					2.8	5.9	No linear change	Not available	No change

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

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**Howard County** 

Trend Analysis Report

Tobacco				F	Iealth <b>F</b>	Risk Beł	navior a	nd Pero	centage	S					Linear Change $^{\dagger}$	Quadratic Change $^{\dagger}$	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN17:	Percenta	age of st	udents v	who eve	er tried c	eigarette	smokin	g (even	one or t	wo puff	s)		1.8	1.8	No linear change	Not available <sup>¶</sup>	No change
QN18: puffs)	Percenta	age of st	udents v	who trie	ed cigare	ette smol	king for	the first	t time be	efore ag	e 11 yea	ars (eve	n one of	r two 0.7	No linear change	Not available	No change
QN19: survey)	Percenta	age of st	udents v	who cur	rently si	moked c	igarette	s (on at	least 1 c	lay duri	ng the 3	30 days 0.5	before t	he 0.0	Not available	Not available	Not available
QNFRC days bef			of stud	ents wh	o curren	ntly smol	ked ciga	rettes fr	equentl	y (on 20	or mor 0.5	re days 0.0	during t 0.0	he 30 0.0	Not available	Not available	Not available

White\*

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

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Howard County

Trend Analysis Report

White* Tobacco	Use			I	Health F	Risk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	<b>Change from</b> <b>2016-2018</b> <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDAY before th			age of st	udents v	who curi	rently sn	noked ci	garettes	daily (	on all 30	) days d	luring th	ne 30 da	iys			
											0.5	0.0	0.0	0.0	Not available	Not available <sup>¶</sup>	Not available
QN21: 1	Percent	age of s	tudents	who eve	er used a	n electro	onic var	or prod	uct					· · · · · ·			
												6.6	5.8	10.1	No linear change	Not available	No change
QN22: 1 before th			tudents	who cur	rently u	sed an e	lectroni	c vapor	product	(on at l	east 1 d	ay durii	ng the 3	0 days			
												2.2	1.2	2.7	No linear change	Not available	No change
QNFRE during th					no currei	ntly used	l electro	nic vap	or produ	icts freq	uently (	(on 20 o	or more	days			
												0.2	0.0	0.0	Not available	Not available	Not available

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

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**Howard County** 

Trend Analysis Report

White* Tobacco	Use			H	lealth R	tisk Bel	navior a	nd Perc	entage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNDAY the 30 da				udents v	vho curi	rently us	sed elect	ronic va	ipor pro	oducts da	aily (on	all 30 d 0.2	ays dur 0.0	ing 0.0	Not available	Not available¶	Not available
QN24: 1 dissolval vapor pr	ble toba	cco pro	ducts [si	uch as C	openha	gen, Gri	zzly, Sk	oal, or <b>(</b>					electroi				
													0.2	0.9	No linear change	Not available	No change
QN25: I during th					rently sr	noked c	igars (ci	igars, ci	garillos,	, or little	e cigars,	on at le	ast 1 da	y			
											2.4	1.4	0.4	0.2	Decreased, 2013-2018	Not available	No change

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

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Howard County

Trend Analysis Report

		ner Dru	8	H	Iealth R	Risk Beł	avior a	nd Pero	centage	s					Linear Change $^{\dagger}$	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26:	Percenta	age of st	udents v	who eve	er drank	alcohol	(other t	han a fe	w sips)	1	14.6	9.8	10.2	10.1	No linear change	Not available <sup>¶</sup>	No change
QN27:	Percenta	age of st	udents v	who dra	nk alcoł	hol for tl	ne first t	ime bef	ore age	11 year	rs (other 5.7	than a f	few sips 4.9	) 4.5	No linear change	Not available	No change
QN28:	Percenta	age of st	udents v	who eve	er used n	narijuan	a				3.9	0.8	1.4	2.6	No linear change	Not available	No change
	Doroonto	age of st	udents v	who trio	d moniir		the first	time he	fora og	a 11 ya	are		·······				

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

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Trend Analysis Report

White*	
Alcohol and Other Drug Use	

				E	lealth R	lisk Beh	avior a	nd Perc	centages	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
differen	tly than	how a d	loctor to														
nyurooo	D: Percentage of students who ever took prescription pain medicine without a doctor's prescription or ently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, boodone, and Percocet)         2.3       5.1         1: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)														No linear change	Not available <sup>¶</sup>	No change
QN31:	Percent	age of st	tudents	who eve	r used c	ocaine (	any form										
											2.4	1.2	1.4	0.9	Decreased, 2013-2018	Not available	No change
QN32: inhaled	Percenta any pair					nhalants	(sniffed	l glue, b	reathed	the con	itents of	spray o	cans, or				
		-									5.2	4.1	5.0	5.2	No linear change	Not available	No change
QN33:	Percent	age of st	tudents	who eve	r took s	teroids v	without a	a doctor	's presci	ription (	pills or	shots)					
											1.2	0.3	1.2	0.2	No linear change	Not available	No change

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

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Trend Analysis Report

White* Sexual E	3ehavio	rs		F	Iealth F	tisk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	age of st	tudents	who eve	er had se	exual into	ercourse	;				2.1	0.7	2.6	No linear change	Not available <sup>¶</sup>	Increased
QN35:	Percenta	age of st	tudents	who had	l sexual	intercou	rse for t	he first	time be	fore age	e 11 yea	rs					
												0.3	0.0	0.3	Not available	Not available	Not available
QN36:	Percenta	age of st	tudents	who eve	er had se	xual into	ercourse	with th	nree or r	nore per	rsons	0.7	0.2	0.2	No linear change	Not available	No change

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

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**Howard County** 

Trend Analysis Report

				E	Iealth F	Risk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38:	Percenta	age of st	tudents	who des	cribed t	hemselv	ves as sli	ghtly oi	r very o	verweig	ht						
											20.1	22.4	22.0	23.0	No linear change	Not available <sup>¶</sup>	No change
QN39:	Percenta	age of st	tudents	who we	re trying	to lose	weight										
		U					C				33.8	31.3	30.1	35.2	No linear change	Not available	No change
QN40:	Percenta	age of st	tudents	who did	not eat	breakfa	st (durin	g the 7	days be	fore the	survey)	)		······			
											6.3	4.3	5.3	6.1	No linear change	Not available	No change
QNBK'	7DAY:	Percenta	age of st	udents	who ate	breakfa	st on all	7 days	(during	the 7 da	ays befo	re the s	urvey)				

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

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Trend Analysis Report

White*	
<b>Physical Activity</b>	

	I	Iealth R	lisk Beh	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991 1993 1995 19	997 1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN41: Percentage of stude kind of physical activity that days before the survey)														
								67.7	65.8	63.9	66.1	No linear change	Not available <sup>¶</sup>	No change
QNPA0DAY: Percentage 1 day (in any kind of physic during the 7 days before the	cal activity t													
								5.1	3.0	5.5	3.8	No linear change	Not available	No change
QNPA7DAY: Percentage kind of physical activity that days before the survey)														
								35.3	36.3	33.8	35.1	No linear change	Not available	No change

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

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				Н	ealth R	lisk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN42:	Percenta	age of st	udents v	who wat	ched tel	levision	3 or mo	re hours	s per da	y (on ar	n averag	ge schoo	l day)				
											19.8	17.8	17.4	15.0	No linear change	Not available <sup>¶</sup>	No change
											17.0	17.0					
(countin smartph	Percenta ag time s one, cor school o	pent on nputer,	things s	such as p	olaying	games,	watchin	g videos	, texting	g, or usi	ter 3 or	more heal media	ours per	day ir	No linear change	Not available	No change
(countin smartpho average QN44:	ig time s one, cor	pent on nputer, lay)	things s Xbox, P	such as p layStation	olaying on, iPad	games, <sup>v</sup> l, or oth	watchin er tablet	g videos , for sor	s, texting nething	g, or usi that wa	ter 3 or ing soci is not so 29.4	more ho al media chool wo 31.9	ours per a on the ork, on a 33.7	day ir in 37.2			

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

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Trend Analysis Report

-	Activit			H	lealth R	lisk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
-		0	e of stud (school)		o attend	led phys	sical edu	cation (	(PE) cla	sses on	all 5 day	ys (in ar	averag	je			
	5		,								1.6	3.1	5.5	3.3	No linear change	Not available <sup>¶</sup>	No change
											110				C		8
							one spor		(countir	ng any te			ir schoo	ol or			
									(countir	ng any te			ir schoo 76.9	ol or 74.7	No linear change	Not available	No chang
QN46:	ity grou	ips, duri	ng the p	who had	nonths b a concu	before th		y)			eams rui	n by the 74.4	76.9	74.7		Not available	

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Howard County

Trend Analysis Report

White* Other				E	lealth R	lisk Beh	navior a	nd Pero	centages	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN47:	Percenta	age of st	tudents	who had	ever be	en told	by a doo	ctor or n	urse tha	it they h	ad asthi 18.9	ma 17.8	16.5	14.4	No linear change	Not available <sup>¶</sup>	No change
QN48:	Percenta	age of st	tudents	who got	8 or mo	ore hours	s of slee	p (on ar	ı averag	e schoo	l night) 69.1	67.0	66.5	62.2	No linear change	Not available	No change
QN49: 1 before th			tudents	who des	cribed th	heir grad	des in sc	hool as	mostly	A's or E	B's (duri	ng the 1 93.3	2 mont 92.2	hs 92.3	No linear change	Not available	No change

Maryland Middle School Survey

**Howard County** 

Trend Analysis Report

White* Site-Add	ed			F	Health F	Risk Beł	navior a	nd Per	centage	s				Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN52: 1 driving t		age of s	tudents	who hav	ve ever r	idden in	a car d	riven by	someo	ne who	was tex	ting wh	ile they	were			
												47.6	57.7	49.5	No linear change	Not available <sup>¶</sup>	Decreased
QN54: 1 stopped											eks in a 15.2	row so 15.4	that the	y 24.1	Increased, 2013-2018	Not available	Increased
											13.2	10.1	17.0	21.1			
QN55: 1	Percenta	age of s	tudents	who sm	oked a v	whole ci	garette l	before a	ge 11 ye	ears (for	the firs	st time)					
											1.6	0.8	1.0	0.2	Decreased, 2013-2018	Not available	No change
QN62: 1 little ciga				who thi	nk they	definitel	y or pro	bably w	vill smol	ke a cig	arette, c	igar, ci	garillo, o	or			,
-													4.2	3.5	No linear change	Not available	No change

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

Maryland Middle School Survey

Howard County

Trend Analysis Report

White* Site-Add	ed			F	Iealth F	Risk Beh	navior a	nd Pero	centage	s					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN63: 1 flavored survey)																	
57											1.2	0.8	0.3	0.2	No linear change	Not available <sup>¶</sup>	No change
QN64: 1 the surve		age of s	tudents	who trie	d or use	d tobaco	co produ	icts for	the first	time (d	uring th	e 12 mo	onths be	fore	,		
												1.3	1.8	1.1	No linear change	Not available	No change
QN66: ]	Percenta	age of s	tudents	who live	e with so	omeone	who no	w smok	es cigare	ettes or	cigars						
											25.4	21.7	14.9	18.8	No linear change	Not available	No change
QN67: 1 anywher									le their l	home is	that sm	oking i	s not all	owed			
													89.8	85.0	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.

Maryland Middle School Survey

Howard County

Trend Analysis Report

	led			H	lealth F	Risk Beł	navior a	nd Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percenta he 7 day				re in the	same ro	oom wit	h someo	one who	was sm	noking (	on at le	ast one	day			
													11.8	10.6	No linear change	Not available <sup>¶</sup>	No change
ON69:	Percenta	age of st	tudents	who cur	rently d	rank alc	ohol (at	least or	e drink	ofalcol	hol on	at least	l dav di	iring			
	ays befo			who cur	ientry d		onor (ut	icast of			6.0	4.9	4.3	4.1	No linear change	Not available	No chang
the 30 d	ays befo	ore the s	urvey)			sed mar					6.0	4.9	4.3	4.1	No linear change	Not available	No chang
the 30 d	ays befo	ore the s	urvey)								6.0	4.9	4.3	4.1	No linear change	Not available Not available	No chang No chang
QN70: survey) QN71:	Percenta	age of stage of stag	urvey) tudents v	who cur	rently u		ijuana (d	one or n	nore tim	nes durir	6.0 ng the 3 3.7	4.9 0 days t 1.1	4.3 Defore the 1.1	4.1 ne 3.0			

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

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Trend Analysis Report

Site-Add	eu	Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN72: F during th						st (for a	check-1	ıp, exan	n, teeth	cleaning	, or otl	ner dent	al work	,			
													85.3	83.7	No linear change	Not available <sup>¶</sup>	No change
QN73: F school ye		ige of st	udents v	vho wer	e taugh	t in their	r classes	about t	he dang	ers of to	bacco	use (du	ring the	last			
											92.9	94.6	88.7	89.7	Decreased, 2013-2018	Not available	No change
QN74: F clubs, or				vho part	icipate	in extra	curricul	ar activi	ties at s	chool (s	uch as	sports,	band, dr	ama,			
											68.1	74.4	74.2	72.6	No linear change	Not available	No change
QN77: F friends	Percenta	ige of st	udents v	vho say	definite	ly yes o	or proba	bly yes	that you	ng peop	le who	smoke	have m	ore			
											12.3	12.8	12.2	18.3	No linear change	Not available	No change

White\*

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

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**Howard County** 

Trend Analysis Report

White* Site-Ado	led			ł	Iealth F	Risk Beł	navior a	nd Pero	centage	8					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN78: or fit in	Percent	age of st	tudents	who say	definite	ely yes o	or proba	bly yes	that smo	oking m	akes yo	ung peo	ple lool	k cool			
											9.7	9.0	5.7	12.7	No linear change	Not available <sup>¶</sup>	Increased
QN79:							gly disa	oprove o	of some	one thei	r age ha	ving on	e or two	)			
drinks o	f an alco	oholic b	everage	nearly	every da	ıy							89.8	91.5	No linear change	Not available	No change
	Dancant		adapta	who noo	nondad	that that	r poront		faality	would b				for	,		
QN80: them to														IOF			
											88.8	89.6	93.2	92.1	Increased, 2013-2018	Not available	No change

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

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Howard County

Trend Analysis Report

White* Site-Added	d																
				I	Health F	Risk Beł	navior a	nd Per	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	<b>Change from</b> 2016-2018 <sup>§</sup>
1991 1	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	-		
QN81: Per in other wa													(physic	ally or			
											74.4	74.4	81.4	78.3	No linear change	Not available <sup>¶</sup>	No change
QN82: Per and in othe														ally			
											86.9	83.8	89.9	82.9	No linear change	Not available	Decreased
QN83: Per to them	ercenta	ige of s	tudents	who hav	ve an ad	ult outsi	de of sc	hool the	ey can ta	ılk to ab	out thin	ngs that	are imp	ortant			
											92.0	93.8	93.6	92.5	No linear change	Not available	No change
QN84: Per parents if t								eking he	lp from	one or	more ac	lults be	sides the	eir			
											84.9	86.0	83.2	86.6	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.

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Howard County

Trend Analysis Report

ite-Add	ea			H	lealth H	Risk Bel	havior a	and Pero	centage	s					Linear Change $^{\dagger}$	Quadratic Change $^{\dagger}$	<b>Change from 2016-2018</b> §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN85: H ad (duri						teacher	or other	adult ir	their so	chool ab	oout a pe	ersonal 33.3	problen 34.1	n they 32.0	No linear change	Not available <sup>¶</sup>	No chang
ad (duri	Percenta	12 mont	ths befor	re the su	irvey)		or other				31.8	33.3	34.1	32.0	No linear change	Not available <sup>¶</sup>	No chan

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**Howard County** 

Trend Analysis Report

Black* Injury a	nd Viol	ence															
				ł	Iealth F	Risk Beł	navior a	nd Per	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN6: P bicycle)		ge of stu	idents w	ho rarel	ly or nev	ver wore	a bicyc	le helm	et (amoi	ng stude	ents who	o had rio	lden a				
											66.2	65.6	63.8	67.6	No linear change	Not available <sup>¶</sup>	No change
QN7: P students	ercenta who us	ge of stu ed rolle	udents w rblades	ho rarel or rode	ly or nev a skateb	ver wore ooard)	a helm	et when	rollerbl	ading o	r skateb	oarding	(among	5			
											76.7	70.8	80.1	73.1	No linear change	Not available	No change
QN8: P	ercenta	ge of stu	idents w	ho rarel	ly or nev	ver wore	a seat b	elt (wh	en riding	g in a c	ar)			<u> </u>			
											4.4	3.9	2.1	4.4	No linear change	Not available	No change
QN9: P	ercenta	ge of stu	udents w	vho ever	rode wi	ith a driv	ver who	had bee	en drink	ing alco	ohol (in	a car)					
											15.2	11.3	17.3	9.0	No linear change	Not available	Decreased

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

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Howard County

Trend Analysis Report

Black* Injury a	nd Viol	ence		F	Iealth F	Risk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN10:	Percent	age of s	tudents	who eve	er carried	d a wear	oon (suc	h as a g	un, knife	e, or clu	ıb) 20.8	18.2	24.7	22.3	No linear change	Not available <sup>¶</sup>	No change
QN11:	Percent	age of s	tudents	who we	re ever i	in a phys	sical figl	ht			59.6	57.0	61.4	56.9	No linear change	Not available	No change
QN14:	Percent	age of s	tudents	who eve	er seriou	sly thou	ght abo	ut killin	g thems	elves	20.5	17.1	21.5	25.1	No linear change	Not available	No change
QN15:	Percent	age of s	tudents	who eve	er made	a plan a	bout hov	w they v	vould ki	ll them	selves		11.5	17.7	Increased, 2016-2018	Not available	No change
QN16:	Percent	age of s	tudents	who eve	er tried to	o kill the	emselve	S					6.2	9.1	No linear change	Not available	No change

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

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Trend Analysis Report

														Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN17:	Percent	age of s	tudents	who eve	er tried c	cigarette	smokin	g (even	one or t	wo puff	ŝ)		5.3	3.7	No linear change	Not available <sup>¶</sup>	No change
QN18: puffs)	Percent	age of s	tudents	who trie	ed cigare	ette smol	king for	the first	t time be	efore ag	e 11 yea	ars (eve	n one or 2.8	2.6	No linear change	Not available	No change
QN19: survey)	Percent	age of s	tudents	who cur	rently s	moked c	igarette	s (on at	least 1 c	lay duri	ng the 3 0.8	30 days 1.0	before t	he 1.0	Not available	Not available	Not available
QNFRC days bef				ents wh	o curren	ntly smol	ked ciga	rettes fi	equentl	y (on 20	or mor	re days 0.0	during ti 0.0	he 30 0.0	Not available	Not available	Not available

**Black**\*

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

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Howard County

Trend Analysis Report

Black* Tobacco	Use			I	Iealth F	Risk Beł	navior a	nd Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QNDAY before th			age of st	udents v	who curr	rently sn	noked c	garettes	daily (	on all 30	) days d	luring th	ne 30 da	ys			
											0.0	0.0	0.0	0.0	Not available	Not available <sup>¶</sup>	Not available
QN21: 1	Percent	age of s	tudents	who eve	er used a	in electro	onic vap	or prod	uct								
												16.9	12.7	15.6	No linear change	Not available	No change
QN22: 1 before th			tudents	who cur	rently u	sed an e	lectroni	c vapor	product	(on at l	east 1 d	ay durii	ng the 3	0 days			
												8.3	1.1	2.4	Decreased, 2014-2018	Not available	No change
QNFRE during th					o currer	ntly used	l electro	nic vap	or produ	icts freq	uently (	(on 20 o	or more	days			
2		-		-								0.3	0.0	0.4	Not available	Not available	Not available
<u>.                                    </u>							<u>.</u>										

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

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Trend Analysis Report

Black* Tobacco	Use			H	lealth F	Risk Bel	navior a	and Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QNDAY the 30 da				udents v	who cur	rently u	sed elect	tronic v	apor pro	ducts d	aily (on	all 30 d 0.0	ays dur 0.0	ing 0.0	Not available	Not available <sup>¶</sup>	Not available
QN24: 1 dissolval vapor pr	ble toba	icco pro	ducts [si	uch as C	Copenha	gen, Gr	izzly, Sk	coal, or	Camel S					nic			
													1.5	2.4	No linear change	Not available	No change
QN25: 1 during th					rently si	moked c	igars (c	igars, ci	garillos	, or little	e cigars,	on at le	east 1 da	ay			
											0.3	3.5	1.5	1.9	No linear change	Not available	No change

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

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Trend Analysis Report

Black* Alcohol	and Otl	her Dru	ıg Use	F	Iealth F	Risk Beł	navior a	and Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN26:	Percenta	age of st	tudents	who eve	er drank	alcohol	(other t	han a fe	w sips)		20.3	14.2	18.3	16.0	No linear change	Not available¶	No change
QN27:	Percenta	age of st	tudents	who dra	nk alcol	hol for tl	he first t	ime bef	ore age	11 year	rs (other 9.9	than a f	ew sips 7.4	) 9.0	No linear change	Not available	No change
QN28:	Percenta	age of st	tudents	who eve	er used n	marijuan	a				4.8	6.0	3.4	1.7	Decreased, 2013-2018	Not available	No change
QN29:	Percenta	age of st	tudents	who trie	ed mariju	uana for	the first	t time be	efore ag	e 11 yea	ars 1.3	3.6	2.9	2.1	No linear change	Not available	No change

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

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Trend Analysis Report

Black*		
Alcohol and	Other Drug Us	se

		8	Н	lealth R	isk Beh	avior a	nd Perc	entages	5					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 §
1991 199	3 1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN30: Perce differently the hydrocodone,	in how a d	doctor to														
												4.5	7.6	No linear change	Not available <sup>¶</sup>	No change
QN31: Perce	ntage of s	tudents	who eve	r used c	ocaine (	any forr	n of coc	aine, in	cluding	powde	r, crack,	or freel	oase)			· · · · · · · · · · · · · · · · · · ·
										1.3	4.0	4.6	2.9	No linear change	Not available	No change
QN32: Perce inhaled any p					nhalants	(sniffed	l glue, b	reathed	the con	itents of	f spray c	ans, or				
			58,							9.2	6.0	7.1	7.1	No linear change	Not available	No change
QN33: Perce	ntage of s	tudents	who eve	r took st	eroids v	vithout a	a doctor	's prescr	iption (	pills or	shots)					
										2.9	1.7	1.0	3.2	No linear change	Not available	Increased

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

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Howard County

Trend Analysis Report

Black* Sexual B	Behavio	rs		F	Iealth F	tisk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	age of st	tudents	who eve	er had se	xual inte	ercourse	;				7.9	6.7	5.9	No linear change	Not available <sup>¶</sup>	No change
QN35:	Percenta	age of st	tudents	who had	l sexual	intercou	rse for t	he first	time be	fore age	e 11 yea	rs					
												4.6	3.5	2.6	No linear change	Not available	No change
QN36:	Percenta	age of st	tudents	who eve	er had se	xual inte	ercourse	with th	nree or n	nore per	rsons	1.7	2.2	0.9	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.</li>
\*Based on t-test analysis, p < 0.05.</li>
\*Not enough years of data to calculate.

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Trend Analysis Report

				H	Iealth R	tisk Bel	avior a	nd Perc	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38:	Percenta	ige of st	udents v	who des	cribed tl	hemselv	es as sli	ghtly or	very ov	verweig	ht 26.7	24.9	22.5	21.4	No linear change	Not available¶	No change
QN39:	Percenta	ige of st	udents v	who wei	re trying	to lose	weight				44.8	42.1	40.1	42.1	No linear change	Not available	No change
QN40:	Percenta	ige of st	udents v	who did	not eat	breakfa	st (durin	g the 7	days bei	fore the	survey	)	10.4	9.8	No linear change	Not available	No change
QNBK7	DAY: I	Percenta	age of st	udents v	who ate	breakfas	st on all	7 days (	(during	the 7 da					mou onaigo		
											38.2	47.7	42.1	40.5	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.

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Trend Analysis Report

Black*	
Physical Activity	

Health Risk Behavior and Percentages					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         2011	2013	2014	2016	2018			
QN41: Percentage of students who were physically active at least 60 minutes per datkind of physical activity that increased their heart rate and made them breathe hard so days before the survey)							
	49.7	54.2	46.1	44.0	No linear change	Not available <sup>¶</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of 1 day (in any kind of physical activity that increased their heart rate and made them be during the 7 days before the survey)							
	10.6	8.6	15.5	12.0	No linear change	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes kind of physical activity that increased their heart rate and made them breathe hard so days before the survey)							
	21.3	32.6	30.8	25.1	No linear change	Not available	No change

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

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Trend Analysis Report

				H	Iealth R	Risk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup><math>\dagger</math></sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
2N42:	Percenta	age of :	students	who wa	tched te	levision	3 or mo	ore hour	s per da	y (on an	averag	e schoo	l day)				
													20.5	25.0	D 1 2012 2010	NT / 1111 ¶	No chongo
											50.8	36.8	28.5	25.0	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
countin martph	ig time s	spent of mputer.	students n things , Xbox, I	such as j	olaying	games, v	watchin	g videos	s, texting	g, or usi	ter 3 or ng socia	more ho al media	ours per	day	No linear change	Not available	No change
countin martpho verage	ng time s one, cor school o Percenta	spent of mputer, day) age of s	n things	such as playStati	olaying on, iPac	games, v l, or othe	watching er tablet	g videos , for sor	s, texting nething	g, or usi that wa	ter 3 or ng socia s not sc 44.0	more ho al media hool wo 39.4	ours per on the rk, on a 40.7	day ir in 47.3			

Black\*

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

Maryland Middle School Survey

Howard County

Trend Analysis Report

				H	lealth <b>R</b>	lisk Beh	avior a	nd Perc	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	TPE: Per nen they				o attenc	led phys	ical edu	cation (	PE) cla	sses on a	all 5 da	ys (in an	averag	e	i.		
week wi	ion they	were n	, sensor,								6.3	4.2	6.8	5.4	No linear change	Not available <sup>¶</sup>	No change
	Percenta nity grou								countin	ig any te	eams ru	-			Democra d 2014 2019	Net curilette	Nie skore
												63.4	56.1	53.7	Decreased, 2014-2018	Not available	No change
	Percenta tring the					ussion fi	om play	ving a sp	oort or b	eing ph	ysically	active (	one or i	nore			

**Black**\*

Maryland Middle School Survey

Howard County

Trend Analysis Report

Black* Other				E	lealth R	lisk Beł	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN47:	Percenta	age of st	tudents	who had	l ever be	en told	by a doo	ctor or n	urse tha	it they h	ad asthi 25.0	ma 24.2	24.1	27.2	No linear change	Not available <sup>¶</sup>	No change
QN48:	Percenta	age of st	tudents	who got	8 or mo	ore hour	s of slee	p (on ar	1 averag	e schoo	l night) 52.8	57.2	49.9	50.3	No linear change	Not available	No change
QN49: before th			tudents	who des	cribed ti	heir grad	des in sc	hool as	mostly	A's or H	3's (duri	ng the 1 88.9	12 mont 85.6	hs 83.8	No linear change	Not available	No change

Maryland Middle School Survey

**Howard County** 

Trend Analysis Report

Black* Site-Added			н	lealth F	Risk Beh	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN52: Percent driving the car	tage of st	udents v	who hav	'e ever r	idden in	a car di	riven by	someoi	ne who	was tex	ting wh	ile they	were			
C											54.4	59.0	51.2	No linear change	Not available <sup>¶</sup>	No change
QN54: Percent stopped doing s										eks in a 23.0	row so 17.3		-	Increased, 2013-2018	Not available	No change
QN55: Percent	tage of si	udents v	who smo	oked a v	whole cig	garette b	before ag	ge 11 ye	ears (for	the firs	t time)					
										1.0	1.4	0.7	2.1	No linear change	Not available	Increased
QN62: Percent little cigar in th			who thin	ık they (	definitel	y or pro	bably w	vill smol	ke a cig	arette, c	igar, ci	garillo,	or			

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

Maryland Middle School Survey

**Howard County** 

Trend Analysis Report

Black* Site-Added			Н	lealth R	lisk Beł	navior a	and Per	centage	8					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN63: Percent flavored smoke survey)																
										0.6	2.2	0.9	0.0	Not available	Not available <sup>¶</sup>	Not available
QN64: Percent the survey)	age of st	udents v	who trie	d or use	d tobaco	co produ	icts for	the first	time (d	uring th	e 12 mo	onths be	fore			
											3.2	1.7	1.0	No linear change	Not available	No change
QN66: Percent	age of st	udents v	who live	with so	omeone	who no	w smok	es cigare	ettes or	cigars						
										24.7	26.7	17.8	21.2	Decreased, 2013-2018	Not available	No change
QN67: Percent anywhere inside								le their l	home is	that sm	oking is	s not all	owed			
												85.3	84.2	No linear change	Not available	No change

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

Maryland Middle School Survey

Howard County

Trend Analysis Report

				Н	ealth R	isk Beh	avior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
			tudents e the sur		e in the	same ro	oom witl	n somec	one who	was sm	oking (	on at le	ast one	day			
													10.4	11.0	No linear change	Not available <sup>¶</sup>	No change
	Percenta ays befo		tudents survey)	who curi	ently di	ank alco	ohol (at	least on	e drink	of alcoh	nol, on a	at least 1	l day dı	ıring			
				who curr	ently d	rank alco	ohol (at	least on	e drink	of alcoh	nol, on a 6.6	at least 1	1 day di 6.0	uring 2.3	Decreased, 2013-2018	Not available	No change
the 30 d	ays befo	ore the									6.6	5.3	6.0	2.3	Decreased, 2013-2018	Not available	No change
the 30 d	ays befo	ore the	survey)								6.6	5.3	6.0	2.3	Decreased, 2013-2018 No linear change	Not available Not available	No change No change
QN70: Survey)	ays befo	age of s	tudents v	who curr	rently us	sed mari	juana (c	one or m	nore tim	es durin	6.6 ag the 3 2.9	5.3 0 days b 4.9	6.0 pefore th 1.6	2.3 ne 3.0			

**Black**\*

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

Maryland Middle School Survey

Howard County

Trend Analysis Report

Site-Add	ed			Н	lealth R	lisk Beh	navior a	nd Pero	centage	S					Linear Change $^{\dagger}$	Quadratic Change <sup>†</sup>	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN72: F during th						st (for a	check-1	ıp, exan	n, teeth	cleaning	g, or otl	her den	al work	,			
													71.8	67.5	No linear change	Not available <sup>¶</sup>	No change
QN73: F school ye		age of st	tudents	who wer	e taugh	t in their	r classes	about t	he dang	ers of to	obacco	use (du	ring the	last			
											86.2	90.6	83.1	86.0	No linear change	Not available	No change
QN74: F clubs, or				who part	ticipate	in extra	curricul	ar activi	ties at s	chool (s	uch as	sports,	band, dı	ama,			
											66.8	72.3	64.3	64.3	Decreased, 2013-2018	Not available	No change
QN77: I friends	Percenta	age of st	tudents	who say	definite	ely yes o	or proba	oly yes t	that you	ng peop	ole who	smoke	have m	ore			
											35.1	25.1	26.6	29.3	No linear change	Not available	No change

Black\*

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

Maryland Middle School Survey

**Howard County** 

Trend Analysis Report

				E	lealth F	Risk Beł	navior a	nd Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN78: or fit in	Percenta	age of st	udents v	who say	definite	ely yes o	or proba	bly yes	that smo	oking m	akes yo	ung peo	ople loo	k cool			
											20.3	15.3	14.2	15.6	No linear change	Not available <sup>¶</sup>	No change
	Percenta of an alco						gly disaj	oprove o	of some	one thei	r age ha	aving or	ne or tw	0			
													83.7	83.5	No linear change	Not available	No change
	Percenta drink be													for			

**Black**\*

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

Maryland Middle School Survey

Howard County

Trend Analysis Report

				H	lealth R	isk Beh	avior a	nd Pero	centages	5					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991 19	993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN81: Percin other way													(physic	ally or			
																Not available <sup>¶</sup>	No change
										of harmi				81.4 ally	Increased, 2013-2018	Not available.	
QN82: Pero and in other QN83: Pero	r ways	if the	ey have	five or 1	nore dri	nks of a	lcohol (l	beer, wi	ne, or li	of harmi quor) oi	ng ther nce or t 79.9	nselves wice a 78.4	(physic week 82.7	ally 79.9	Increased, 2013-2018 No linear change	Not available	No chang
and in other	r ways	if the	ey have	five or 1	nore dri	nks of a	lcohol (l	beer, wi	ne, or li	of harmi quor) or lk to abo	ng ther nce or t 79.9	nselves wice a 78.4	(physic week 82.7	ally 79.9			
QN83: Perc	r ways	ge of st	udents	five or n who hav	re an adu uld feel	lt outsic	lcohol () de of sch	beer, wi	ne, or li	of harmi quor) or lk to abo	ng ther nce or t 79.9 out thir 87.7	nselves wice a 78.4 ngs that 88.9	(physic week 82.7 are imp 88.3	ally 79.9 ortant 84.6	No linear change	Not available	No chang

Black\*

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

Maryland Middle School Survey

Howard County

Trend Analysis Report

Black* Site-Add	ed			E	Iealth F	Risk Beł	navior a	and Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change $^{\dagger}$	Change from 2016-2018 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN85: I had (dur						teacher	or other	adult ir	n their so	chool ab	oout a pe 31.6	ersonal 31.9	problem 32.3	n they 29.1	No linear change	Not available <sup>¶</sup>	No change
	ing the	12 mont	ths befo	re the su	irvey)						31.6	31.9	32.3	29.1	No linear change	Not available <sup>¶</sup>	No chang

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Hispan	ic	
Injury	and	Violence

				Н	ealth Ri	isk Beh	avior ar	nd Perco	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
<b>1991</b>	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN6: Per bicycle)	rcentag	ge of stu	idents w	ho rare	y or nev	er wore	a bicyc	le helm	et (amoi	ng stude	ents who	o had ri	dden a				
											62.8	54.0	59.6	51.2	No linear change	Not available <sup>§</sup>	No change
QN8: Per	rcentag	e of stu	idents w	ho rare	y or nev	er wore	a seat b	elt (who	en riding	g in a ca	ur)						
											8.3	4.9	6.2	4.2	No linear change	Not available	No change
QN9: Per	rcentag	e of stu	idents w	ho ever	rode wi	ith a driv	ver who	had bee	n drink	ing alco	hol (in	a car)					
											25.5	18.9	22.6	19.6	No linear change	Not available	No change
QN10: Pe	ercenta	ige of st	tudents	who eve	er carrie	d a weap	oon (suc	h as a g	un, knif	e, or clu	ıb)						
											35.1	27.8	25.5	21.5	Decreased, 2013-2018	Not available	No change

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

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Hispanic	
Injury and Violence	

- <b>j</b> j				Н	ealth R	isk Beh	avior an	d Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN11: 1	Percent	age of s	tudents	who we	re ever i	n a phys	sical figh	nt			53.4	40.6	52.3	39.6	No linear change	Not available <sup>§</sup>	Decreased
QN14: 1	Percent	age of s	tudents	who eve	er seriou	sly thou	ght abou	ıt killin	g themse	elves	24.7	17.7	22.2	24.4	No linear change	Not available	No change
QN15: 1	Percent	age of s	tudents	who eve	er made	a plan a	bout hov	w they v	vould ki	ll them	selves		12.8	17.5	No linear change	Not available	No change
QN16: 1	Percent	age of s	tudents	who eve	er tried t	o kill the	emselve	s					9.6	8.6	No linear change	Not available	No change

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

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

ispanic obacco I	Use																
				He	ealth Ri	sk Beha	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN17: I	Percenta	ge of st	udents v	vho eve	r tried c	igarette	smokin	g (even	one or t	wo puff	fs)	1					
													7.2	2.7	No linear change	Not available <sup>§</sup>	No change
QN18: I puffs)	Percenta	ge of st	udents v	who trie	d cigare	tte smoł	king for	the first	t time bo	efore ag	e 11 ye	ars (eve	n one o 1.9	r two 1.9	No linear change	Not available	No change
QN19: I survey)	Percenta	ge of st	udents v	who curi	rently si	noked c	igarette	s (on at	least 1 o	lay duri	ng the 3	30 days	before	he			
,, ,, , , , , , , , , , , , , ,											6.5	1.2	1.1	0.0	Not available	Not available	Not available
QNFRC			of stude	ents who	o curren	tly smol	ced ciga	rettes fi	requentl	y (on 20	) or mo	re days	during t	he 30			
days befo	ore the s	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. <sup>§</sup>Not enough years of data to calculate.

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Hispanic	
Tobacco	Use

Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>	
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDAYCIG: P before the survey		ge of st	udents v	vho curr	ently srr	noked ci	garettes	daily (	on all 30	) days d	luring tl	ne 30 da	ys			
										0.7	0.0	0.7	0.0	Not available	Not available <sup>§</sup>	Not available
QN21: Percenta	ge of st	udents	who eve	r used a	n electro	onic vap	or prod	uct			13.8	19.3	15.2	No linear change	Not available	No change
QN22: Percenta before the survey		udents	who cur	rently us	sed an el	lectronio	e vapor	product	(on at l	east 1 d	ay duri	ng the 3	0 days			
											5.7	6.5	2.8	No linear change	Not available	No change
QNFREVP: Per during the 30 day				o curren	tly used	electro	nic vapo	or produ	icts freq	uently (	(on 20 d	or more	days			
											1.6	0.7	0.4	No linear change	Not available	No change

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**Trend Analysis Report** 

	Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	YEVP: 1 ays befo			udents v	who curr	rently us	sed elect	ronic va	apor pro	ducts da	aily (on	all 30 d	ays duri	ng			
												1.1	0.7	0.4	No linear change	Not available <sup>§</sup>	No change
	Percents	age of st	udents v	who cur	onthy m	sed smo	keless to	bacco	chewin	g tobacc	an anuf	f din s					
dissolva	ble toba	cco prod	lucts [st	ich as C	openha	gen, Gri	zzly, Sk	oal, or						nic			
	ble toba	cco prod	lucts [st	ich as C	openha	gen, Gri	zzly, Sk	oal, or						iic 3.9	No linear change	Not available	No change
dissolva vapor pi QN25:	ble toba	age of st	lucts [su st 1 day udents v	uch as C during	openha the 30 o	gen, Gri days bei	zzly, Sk	toal, or ( survey)	Camel S	Snus], no	ot count	ing any	electror	3.9	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.

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	Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26:	Percenta	age of st	udents v	who eve	r drank	alcohol	(other tl	han a fe	w sips)		20.0	19.6	18.3	16.9	No linear change	Not available <sup>§</sup>	No change
QN27:	Percenta	age of st	udents v	who dra	nk alcoł	nol for th	ne first t	ime bef	ore age	11 year	rs (other	than a f	few sips	)			
QN27:	Percenta	age of st	udents v	who dra	nk alcoł	nol for tl	ne first t	ime bef	ore age	11 year	rs (other 9.6	than a f	few sips 11.8	) 12.5	No linear change	Not available	No change
	Percenta	-						ime bef	ore age	11 year	9.6		11.8	12.5		Not available	No change
-		-						ime bef	ore age	11 year			-		No linear change No linear change	Not available Not available	No change No change

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

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

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**Trend Analysis Report** 

#### Hispanic Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>	
1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
tly than	how a c	loctor to														
,		,										9.2	9.4	No linear change	Not available <sup>§</sup>	No change
										4.4	4.3	5.3	1.4	No linear change	Not available	Decreased
					nhalants	(sniffed	glue, b	reathed	the con	tents of	spray c	ans, or				
										16.3	5.8	9.9	5.3	Decreased, 2013-2018	Not available	No change
Percent	age of s	tudents	who eve	r took st	eroids w	vithout a	doctor'	s prescr	iption (	pills or	shots)					
	1993 Percent tly than odone, a Percent	<b>1993 1995</b> Percentage of s tly than how a c odone, and Perce Percentage of s Percentage of s	<b>1993 1995 1997</b> Percentage of students v tly than how a doctor to odone, and Percocet) Percentage of students v Percentage of students v	Here the formation of students who even the formati	Health Ri 1993 1995 1997 1999 2001 Percentage of students who ever took p tly than how a doctor told them to use it idone, and Percocet) Percentage of students who ever used c	Health Risk Beha         1993       1995       1997       1999       2001       2003         Percentage of students who ever took prescripti       tly than how a doctor told them to use it (counti         Idone, and Percocet)       Percentage of students who ever used cocaine (         Percentage of students who ever used cocaine (	Health Risk Behavior an         1993       1995       1997       1999       2001       2003       2005         Percentage of students who ever took prescription pain tly than how a doctor told them to use it (counting drugs done, and Percocet)       Percentage of students who ever used cocaine (any form         Percentage of students who ever used inhalants (sniffed	Health Risk Behavior and Percer         1993       1995       1997       1999       2001       2003       2005       2007         Percentage of students who ever took prescription pain medicir       1993       1995       1997       1999       2001       2003       2005       2007         Percentage of students who ever took prescription pain medicir       100 <t< td=""><td>Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009         Percentage of students who ever took prescription pain medicine withoutly than how a doctor told them to use it (counting drugs such as codeir done, and Percocet)         Percentage of students who ever used cocaine (any form of cocaine, independent of students who ever used inhalants (sniffed glue, breathed</td><td>Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011         Percentage of students who ever took prescription pain medicine without a doctly than how a doctor told them to use it (counting drugs such as codeine, Vico done, and Percocet)         Percentage of students who ever used cocaine (any form of cocaine, including         Percentage of students who ever used inhalants (sniffed glue, breathed the con any paints or sprays to get high)</td><td>Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013         Percentage of students who ever took prescription pain medicine without a doctor's pr         tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Ox         Percentage of students who ever used cocaine (any form of cocaine, including powder         4.4         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of</td><td>Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014         Percentage of students who ever took prescription pain medicine without a doctor's prescription pain medicine, and Percocet)       Percentage of students who ever used in the use it (counting drugs such as codeine, Vicodin, Oxyconting done, and Percocet)         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, 4.4       4.3         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cany paints or sprays to get high)       Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cany paints or sprays to get high)</td><td>Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016         Percentage of students who ever took prescription pain medicine without a doctor's prescription or tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)         9.2         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or free 4.4         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)</td><td>1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)       9.2       9.4         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)         4.4       4.3       5.3       1.4         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)</td><td>Health Risk Behavior and Percentages       Linear Change*         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or try than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, Oxyconti, Oxycontin, Oxycontin, Oxycontin, Oxycontin, O</td><td>Health Risk Behavior and Percentages       Linear Change*       Quadratic Change*         1993       1995       1997       1999       2001       2003       2007       2009       2011       2013       2014       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)       9.2       9.4       No linear change       Not available<sup>3</sup>         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)       4.4       4.3       5.3       1.4       No linear change       Not available         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)       Not available       Not available       Not available</td></t<>	Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009         Percentage of students who ever took prescription pain medicine withoutly than how a doctor told them to use it (counting drugs such as codeir done, and Percocet)         Percentage of students who ever used cocaine (any form of cocaine, independent of students who ever used inhalants (sniffed glue, breathed	Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011         Percentage of students who ever took prescription pain medicine without a doctly than how a doctor told them to use it (counting drugs such as codeine, Vico done, and Percocet)         Percentage of students who ever used cocaine (any form of cocaine, including         Percentage of students who ever used inhalants (sniffed glue, breathed the con any paints or sprays to get high)	Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013         Percentage of students who ever took prescription pain medicine without a doctor's pr         tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Ox         Percentage of students who ever used cocaine (any form of cocaine, including powder         4.4         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of	Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014         Percentage of students who ever took prescription pain medicine without a doctor's prescription pain medicine, and Percocet)       Percentage of students who ever used in the use it (counting drugs such as codeine, Vicodin, Oxyconting done, and Percocet)         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, 4.4       4.3         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cany paints or sprays to get high)       Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cany paints or sprays to get high)	Health Risk Behavior and Percentages         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016         Percentage of students who ever took prescription pain medicine without a doctor's prescription or tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)         9.2         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or free 4.4         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)	1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)       9.2       9.4         Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)         4.4       4.3       5.3       1.4         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)	Health Risk Behavior and Percentages       Linear Change*         1993       1995       1997       1999       2001       2003       2005       2007       2009       2011       2013       2014       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or try than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, Oxyconti, Oxycontin, Oxycontin, Oxycontin, Oxycontin, O	Health Risk Behavior and Percentages       Linear Change*       Quadratic Change*         1993       1995       1997       1999       2001       2003       2007       2009       2011       2013       2014       2016       2018         Percentage of students who ever took prescription pain medicine without a doctor's prescription or tly than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, done, and Percocet)       9.2       9.4       No linear change       Not available <sup>3</sup> Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)       4.4       4.3       5.3       1.4       No linear change       Not available         Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or any paints or sprays to get high)       Not available       Not available       Not available

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

Maryland Middle School Survey

Howard County

exual Be		,		Н	ealth Ri	isk Beha	avior an	d Perc	entages	5					Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	ige of st	udents v	who eve	r had se	exual into	ercourse	;				6.3	4.2	7.0	No linear change	Not available <sup>§</sup>	No change
QN35:	Percenta	ige of st	udents v	who had	sexual	intercou	urse for t	he first	time be	fore ag	e 11 yea	rs					
QN35:	Percenta	nge of st	udents v	who had	sexual	intercou	irse for t	he first	time be	fore ag	e 11 yea	rs 2.4	1.9	2.2	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Hispanic Weight M		nent an	nd Dieta	-		isk Beh	avior ar	nd Perc	entages	i					Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38:	Percenta	age of st	tudents	who des	cribed t	hemselv	ves as sli	ghtly or	r very o	verweig	ht						
		0							·	C	27.9	26.0	32.5	33.7	No linear change	Not available <sup>§</sup>	No change
QN39:	Percenta	age of st	tudents	who we	re trying	g to lose	weight										
											48.1	48.3	53.0	47.8	No linear change	Not available	No change
QN40:	Percenta	age of st	tudents	who did	not eat	breakfa	st (durin	g the 7	days be	fore the	survey	)					
											13.5	8.7	14.8	13.6	No linear change	Not available	No change
QNBK7	DAY:	Percenta	age of st	tudents v	who ate	breakfa	st on all	7 days	(during	the 7 da	iys befo	ore the s	urvey)				
											43.2	48.5	42.7	47.4	No linear change	Not available	No change

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

Maryland Middle School Survey

Howard County

Hispanic
<b>Physical Activity</b>

Health Risk Behavior and Percentages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	<b>Change from 2016-2018</b> <sup>†</sup>
1991         1993         1995         1997         1999         2001         2003         2005         2007         2009         201	11 20	013 2	014	2016	2018	8		
QN41: Percentage of students who were physically active at least 60 minutes per dakind of physical activity that increased their heart rate and made them breathe hard days before the survey)								
	49.9	9 55	.3	49.7	47.0	No linear change	Not available <sup>§</sup>	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes 1 day (in any kind of physical activity that increased their heart rate and made them during the 7 days before the survey)								
	6.1	9.	.8	13.1	11.6	Increased, 2013-2018	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minute kind of physical activity that increased their heart rate and made them breathe hard days before the survey)								
	22.5	5 27	.3	30.7	28.0	No linear change	Not available	No change

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**Trend Analysis Report** 

				H	ealth Ri	sk Beha	avior an	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN42:	Percenta	age of s	tudents	who wat	ched te	evision	3 or mo	re hours	s per da	y (on an	averag	e schoo	l day)				
																	NT 1
											35.9	31.6	21.2	21.1	Decreased, 2013-2018	Not available <sup>§</sup>	No change
countin smartph	ig time s	spent or mputer,	tudents things Xbox, F	such as p	olaying	games, v	watching	g videos	s, texting	g, or usi	ter 3 or ng socia	more ho al media	ours per	day	Decreased, 2013-2018 Increased, 2013-2018	Not available <sup>3</sup>	No change
countin smartph average QN44:	ng time s one, con school o Percenta	spent or mputer, day) age of s	things s	such as p PlayStati	olaying on, iPac	games, v	watching er tablet	g videos , for sor	s, texting nething	g, or usi that wa	ter 3 or ng socia s not sc 39.3	more ho al media hool wo 35.3	ours per a on the ork, on a 43.4	day ir in 47.1	· · · · · · · · · · · · · · · · · · ·		

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

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

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Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

Hispanic
<b>Physical Activity</b>

				Н	ealth R	isk Beha	avior an	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDLY week wh		0			no attend	led phys	sical edu	cation (	(PE) cla	sses on a	all 5 day	ys (in ar	averag	je			
											7.3	6.0	5.8	4.2	No linear change	Not available <sup>§</sup>	No change
QN45: I commun									(countin	g any te	eams ru	n by the	ir schoo	ol or			
		_										60.0	53.6	51.9	No linear change	Not available	No change
QN46: I times du						ussion fr	rom play	ving a sp	port or b	eing ph	ysically	active	(one or	more	· · · · · · · · · · · · · · · · · · ·		
													20.9	18.4	No linear change	Not available	No change

Maryland Middle School Survey

Howard County

Hispanic Other				ц	oolth Di	ialz Dob	avior aı	nd Dona	ontogoo						Linear Change <sup>*</sup>	Quadratic Change*	Change from
				11		ISK Dell	avioi ai	iu reic	entages	•					Linear Change	Quauranc Change	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN47: F	Percenta	age of st	tudents	who hac	l ever be	een told	by a doo	ctor or r	nurse tha	at they h	nad asth	ma					
											17.1	15.2	27.9	21.3	No linear change	Not available <sup>§</sup>	No change
QN48: F	Percenta	age of st	tudents	who got	8 or mo	ore hour	s of slee	ep (on ai	n averag	ge schoo	ol night)			,,			
											48.7	61.3	54.5	54.6	No linear change	Not available	No change
QN49: F before th			tudents	who des	cribed t	heir gra	des in so	chool as	mostly	A's or I	B's (duri	ng the	12 mont	hs			
												81.2	79.2	85.1	No linear change	Not available	No change

Maryland Middle School Survey

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**Trend Analysis Report** 

Hispanic	
Site-Added	

				]	Health R	isk Beh	avior an	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN52: driving		age of s	students	who ha	ive ever	ridden in	a car dı	iven by	someo	ne who	was text	ting wh	ile they	were			
e												43.9	61.9	48.1	No linear change	Not available <sup>§</sup>	Decreased
ON54	<b>D</b>																
					lt sad or ver durir	hopeless og the 12						row so 27.1	that the	y 28.4	No linear change	Not available	No change
stopped	doing s	ome us	ual acti	vities, e		ig the 12	months	before	the surv	vey)	29.8	27.1			No linear change	Not available	No change
stopped	doing s	ome us	ual acti	vities, e	ver durir	ig the 12	months	before	the surv	vey)	29.8	27.1			No linear change Decreased, 2013-2018	Not available Not available	No change No change
stopped QN55:	doing s	age of s	ual acti	vities, e	ver durir	whole ci	months garette b	before before ag	the surv	vey) ears (for	29.8 the first 5.4	27.1 t time) 1.2	31.1	28.4			

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

Maryland Middle School Survey

Howard County

**Trend Analysis Report** 

Hispanic	
Site-Added	

nc-nuu					H	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	<b>Change from</b> 2016-2018 <sup>†</sup>
1991	1993	1995	5 19	97	1999	2001	2003	2005	2007	2009	2011	2013	2014	2010	5 2018	8		
QN63: 1 flavored survey)																		
												4.0	1.6	2.2	1.2	No linear change	Not available <sup>§</sup>	No change
QN64: 1 the surve		age of	stude	ents w	ho trie	d or use	d tobacc	co produ	icts for t	he first	time (d	uring tl	he 12 m	onths b	efore			
													3.1	3.5	0.9	No linear change	Not available	No change
QN66: 1	Percent	age of	stude	ents w	ho live	e with so	omeone	who nov	w smoke	es cigare	ettes or	cigars 33.1	27.4	22.9	16.3	Decreased, 2013-2018	Not available	No change
QN67: 1 anywher										e their l	nome is	that sn	noking	is not al	lowed			
														86.7	85.1	No linear change	Not available	No change

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

Maryland Middle School Survey

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**Trend Analysis Report** 

Hispanic Site-Add																	
	Health Risk Behavior and Percentages												Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN68: during t					re in the	same ro	oom wit	h someo	one who	was sm	oking (	on at le	ast one	day			
													9.5	12.6	No linear change	Not available <sup>§</sup>	No change
QN69: the 30 d				who cur	rently d	rank alc	ohol (at	least or	ne drink	of alcol	nol, on a	at least	l day di	uring			
											13.1	7.2	6.1	9.5	No linear change	Not available	No change
QN70: survey)	Percenta	age of st	tudents	who cur	rently u	sed mar	ijuana (o	one or n	nore tim	es durir	ng the 3	0 days b	efore tl	he			
											8.4	3.7	3.7	2.3	Decreased, 2013-2018	Not available	No change
QN71: months				who we	re offere	ed, sold,	or give	n an ille	gal drug	g on sch	ool proj	perty (di	uring th	ie 12			
											10.6	5.5	3.8	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.

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

Maryland Middle School Survey

**Howard County** 

**Trend Analysis Report** 

Hispanic	
Site-Added	

iie-Auu				Н	ealth R	sk Beha	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
				who sav e survey		st (for a	check-1	ıp, exan	ı, teeth	cleaning	g, or oth	ner dent	al work	,			
													61.5	67.9	No linear change	Not available <sup>§</sup>	No change
		tage of s	students	who we	re taugh	t in their	r classes	about t	he dang	ers of to	bacco	use (du	ring the	last			
school y	(ear)										89.8	88.3	74.4	78.3	Decreased, 2013-2018	Not available	No change
QN74: clubs, or				who par	ticipate	in extra	curricula	ar activi	ties at s	chool (s	uch as	sports,	oand, dr	ama,			
											54.1	67.6	58.8	64.9	No linear change	Not available	No change
QN77: friends	Percent	tage of s	students	who say	definite	ely yes o	or probal	oly yes t	hat you	ing peop	ole who	smoke	have m	ore			
											28.5	27.7	21.5	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.

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**Trend Analysis Report** 

Hispanic	
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Health Risk Behavior and Percentages												Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN78: or fit in	Percenta	age of st	udents v	who say	definite	ely yes o	r probał	oly yes t	hat smo	king m	akes yo	ung pec	ple lool	c cool			
											15.1	12.7	10.6	10.4	No linear change	Not available <sup>§</sup>	No change
	Percenta of an alco						gly disap	prove o	f someo	one their	r age ha	aving on	e or two	)			-
			everage	nearly c	every ua	y											
uninko c	i un uno		U	5	·	-							83.3	83.0	No linear change	Not available	No change
QN80:	Percenta drink be	age of st	udents v	who resp									wrong		No linear change	Not available	No change

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

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

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**Trend Analysis Report** 

Hispanic Site-Added								
Health Risk Behavior and Perce	Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>					
1991         1993         1995         1997         1999         2001         2003         2005         2007	2009 201	1 2013	2014	2016	2018	-		
QN81: Percentage of students who think people are at moderate or great in other ways) if they have one or two drinks of alcohol (beer, wine, or				(physic	ally or			
		62.3	71.8	77.1	76.3	No linear change	Not available <sup>§</sup>	No change
QN82: Percentage of students who think people are at moderate or great and in other ways) if they have five or more drinks of alcohol (beer, with					ally			
		73.2	77.9	78.5	78.0	No linear change	Not available	No change
QN83: Percentage of students who have an adult outside of school they to them	can talk to	about thi	ngs that	are imp	ortant			
		80.7	89.2	79.2	85.2	No linear change	Not available	No change
QN84: Percentage of students who would feel comfortable seeking hel parents if they had an important question affecting their life	p from one o	or more a	dults be	sides th	eir			
		81.7	81.5	75.3	76.1	No linear change	Not available	No change

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

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Hispanic	
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	Health Risk Behavior and Percentages													Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN85: had (du		0				teacher	or other	adult in	their so	chool at	35.6	ersonal 33.2	problem 35.6	1 they 30.0	No linear change	Not available <sup>§</sup>	No change
QN86: a lot of			tudents	who stro	ongly ag	ree or a	gree tha	t their te	eachers	really ca	are abou 57.0	it them 50.6	and give 59.4	e them 58.6	No linear change	Not available	No change