Maryland Middle School Survey Frederick County Trend Analysis Report

Injury and Violence Health Risk Behavior and Percentages Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle) 56.7 46.2 53.8 50.2 No linear change Not available§ No change

QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car) Decreased, 2013-2018 Not available No change 4.6 3.7 3.3 3.3

64.3 53.1 58.1 57.5

No linear change

Not available

QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among

Total

students who used rollerblades or rode a skateboard)

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 Frederick County **Trend Analysis Report**

Total

Injury ar	ıd Viole	ence															
				Н	ealth Ri	isk Beha	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN9: F	ercenta	ge of st	udents w	ho ever	rode wi	th a driv	er who	had bee	n drinki	ing alco	ohol (in	a car)					
											20.6	17.0	20.2	16.8	No linear change	Not available [§]	Decreased
QN10:	Percent	age of s	students	who eve	er carried	d a wear	on (suc	h as a g	un, knif	e, or clu							
											32.8	32.0	34.7	27.6	No linear change	Not available	Decreased
QN11:	Percent	age of s	students	who we	re ever i	n a phys	sical figl	nt			43.5	37.7	39.6	35.7	Decreased, 2013-2018	Not available	No change
												37.7		33.7		1 vot avanuoie	- Two change
QN14:	Percent	age of s	students	who eve	er seriou	sly thou	ght abou	ıt killin	g thems	elves	17.1	15.9	17.6	18.2	No linear change	Not available	No change
QN15:	Percent	age of s	students	who eve	r made	a plan a	bout hov	w they v	vould ki	II them	selves		11.3	10.3	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Total Injury an	ıd Viole	ence															
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN16:	Percenta	age of s	tudents	who eve	er tried t	o kill the	emselve	S					5.6	4.9	No linear change	Not available [§]	No change

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

[§]Not enough years of data to calculate.

Γotal Γobacco	Use			н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN17:	Percent	age of s	tudents	who eve	er tried o	cigarette	smokin	g (even	one or t	wo puff	fs)		4.8	4.2	No linear change	Not available [§]	No change
QN18: puffs)	Percent	age of s	tudents	who trie	ed cigare	ette smo	king for	the firs	t time bo	efore ag	e 11 ye	ars (eve	n one or	1.7	No linear change	Not available	No change
QN19: survey)	Percent	age of s	tudents	who cur	rently s	moked c	cigarette	s (on at	least 1 o	day duri	ng the 3	30 days 1.8	before t	he 0.8	Decreased, 2013-2018	Not available	No change
QNFRC days bei				ents wh	o currer	ntly smo	ked ciga	rettes fr	requentl	y (on 20	0.7	re days	during to	he 30 0.4	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Total

				Н	ealth Ri	sk Beh	avior ar	d Perce	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNDAY before th			ge of st	udents v	vho curr	ently sn	noked ci	garettes	daily (on all 30	0 days d	uring th	ie 30 da	ys			
											0.5	0.4	0.3	0.4	No linear change	Not available [§]	No change
QN21: I	Percenta	age of st	udents	who eve	r used a	n electro	onic vap	or prod	uct		·	•	•				
												11.0	12.6	17.8	Increased, 2014-2018	Not available	Increased
QN22: I			udents	who cur	rently u	sed an e	lectroni	e vapor	product	(on at l	least 1 d	ay durii	ng the 3	0 days			
												5.2	2.1	5.8	No linear change	Not available	Increased
QNFRE'					o currer	itly used	l electro	nic vapo	or produ	icts freq	quently ((on 20 c	r more	days			
												0.7	0.3	1.0	No linear change	Not available	Increased

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

[§]Not enough years of data to calculate.

Fotal Fobacco	Use																
				Н	ealth R	isk Beh	avior an	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	201	8		
QNDAY the 30 d			_	udents	who cur	rently us	sed elect	tronic va	apor pro	ducts d	aily (on	all 30 d	ays dur	ing			
												0.5	0.3	0.9	No linear change	Not available [§]	Increased
QN24: dissolva vapor pr	ble toba	icco pro	ducts [si	uch as C	Copenha	gen, Gri	izzly, Sk	coal, or	Camel S					nic			-
													1.6	1.6	No linear change	Not available	No change
QN25: during the					rently s	moked c	igars (ci	igars, ci	garillos,	, or little	e cigars,	on at le	east 1 da	ıy			
											2.9	2.6	1.6	1.3	Decreased, 2013-2018	Not available	No change

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

Not enough years of data to calculate.

Γotal Alcohol a	and Oth	er Druş	g Use	Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN26:	Percenta	age of s	tudents	who eve	r drank	alcohol	(other t	han a fe	w sips)		20.0	12.9	17.3	15.3	No linear change	Not available [§]	No change
QN27:	Percenta	age of s	tudents	who dra	nk alcol	nol for tl	he first t	ime bef	ore age	11 year	s (other	than a f	ew sips)			
											8.6	6.8	8.9	7.2	No linear change	Not available	No change
QN28:	Percenta	age of s	tudents	who eve	r used n	narijuan	a										
											5.4	4.4	3.7	4.2	No linear change	Not available	No change
QN29:	Percenta	age of s	tudents	who trie	d mariji	uana for	the first	t time be	efore age	e 11 yea		2.2	1.5	1 1	Degraced 2012 2019	Not available	No shanga
											1.7	3.3	1.5	1.1	Decreased, 2013-2018	Not available	No chang

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

[§]Not enough years of data to calculate.

Total Alcohol a	nd Oth	er Druş	g Use														
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN30: I different hydrocoe	tly than	how a c	doctor to											•			
<i>y</i>	,		,										3.5	6.8	Increased, 2016-2018	Not available [§]	Increased
QN31: 1	Percent	age of s	tudents	who eve	er used o	cocaine (any fori	m of coo	caine, in	cluding	powder	r, crack,	or freel	base)			
											3.0	2.5	2.7	2.0	No linear change	Not available	No change
QN32: I						nhalants	(sniffed	d glue, b	preathed	the con	itents of	spray c	ans, or				
											8.4	4.7	4.0	4.9	Decreased, 2013-2018	Not available	No change
QN33: 1	Percent	age of s	tudents	who eve	er took s	teroids v	vithout	a doctor	's presc	ription (pills or	shots)					
											2.3	2.0	1.6	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.

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Total

Sexual B	ehaviors	8		Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	age of st	udents v	who eve	r had se	xual int	ercourse	;				3.9	2.5	3.4	No linear change	Not available [§]	No change
QN35:	Percenta	age of st	udents v	who had	sexual	intercou	irse for t	he first	time be	fore age	e 11 yea	rs 1.4	0.7	1.0	No linear change	Not available	No change
QN36:	Percenta	nge of st	udents v	who eve	r had se	xual int	ercourse	with th	ree or n	nore pei	rsons	1.3	0.6	0.9	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN38:	Percenta	age of st	udents v	who des	cribed t	hemselv	es as sli	ghtly or	very ov	verweig	ght	•	•	•	,		
											22.6	22.9	22.6	22.5	No linear change	Not available§	No change
QN39:	Percenta	age of st	udents	who we	re trying	to lose	weight										
											41.2	36.7	39.7	40.2	No linear change	Not available	No change
QN40:	Percenta	age of st	udents	who did	not eat	breakfa	st (durin	ig the 7	days be	fore the	survey)					
											8.2	8.1	9.1	9.5	No linear change	Not available	No change
QNBK7	DAY:	Percenta	nge of st	udents v	who ate	breakfa	st on all	7 days	(during	the 7 da	ays befo	ore the s	ırvey)				
											54.5	57.5	51.6	50.6	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages	\$					Linear Change*	Quadratic Change [*]	Change fron 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
kind of		activity			re physic their hea												
•		• .									56.4	60.8	62.4	59.8	No linear change	Not available§	No change
											30.4	00.0	021.	0,10			Tio Change
1 day (ii	ı any kiı		ysical a	ctivity t	who did hat incre						f physic	al activ	ity on a	t least			
1 day (ii	ı any kiı	nd of ph	ysical a	ctivity t							f physic	al activ	ity on a	t least	No linear change	Not available	No change
1 day (induring the during the du	n any kin he 7 day DAY: I	nd of phys before Percental	e the sur	ctivity to		eased th	eir hear	t rate an	d made	them by	f physic reathe h 7.3 per day	al actival ard son 8.3	ity on a ne of the 9.4	t least e time 10.8		Not available	

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

[§]Not enough years of data to calculate.

Fotal Physical	Activity	7		Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN42:	Percenta	age of st	tudents v	who wa	tched tel	levision	3 or mo	re hour	s per da	y (on ar	averag	e schoo	l day)	•			
											20.1	22.0	20.4	10.0	Danis and 2012 2019	Not available§	No change
											29.1	22.8	20.4	19.9	Decreased, 2013-2018	Not available	No change
QN43: (counting smartph average	ng time s one, cor	pent on nputer,	things s	such as j	playing	games,	watchin	g videos	, texting	g, or usi	ter 3 or	more ho	ours per	day ir	Increased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Total **Physical Activity Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 5.5 90.1 87.2 86.0 Increased, 2013-2018 Not available§ No change QN45: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey) 72.2 72.2 66.6 No linear change Not available No change QN46: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey) 17.0 16.3 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.

Total Other																	
				Н	ealth R	isk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN47:	Percenta	age of s	tudents	who hac	l ever be	een told	by a doo	ctor or n	urse tha	t they l	nad asth	ma	·				
											20.5	18.6	16.5	15.4	Decreased, 2013-2018	Not available [§]	No change
QN48:	Percent	age of s	tudents	who got	8 or mo	ore hour	s of slee	p (on ar	n averag	e schoo	ol night)						
											58.8	61.4	57.1	54.4	Decreased, 2013-2018	Not available	No change
QN49: before the			tudents	who des	scribed t	heir gra	des in so	hool as	mostly	A's or I	B's (dur	ing the	12 mont	hs			,
												90.2	87.7	86.9	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Total Site-Addo	ed			Н	ealth Ri	isk Beha	avior ar	nd Perce	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN52: driving t		age of st	tudents	who hav	e ever r	idden in	a car dı	riven by	someor	ne who	was tex	ting wh	ile they	were			
												55.4	61.8	52.3	No linear change	Not available§	Decreased
QN54:											eks in a	row so	that the	у			-
											22.5	18.5	22.6	22.4	No linear change	Not available	No change
QN55:	Percenta	age of st	tudents	who smo	oked a v	vhole ci	garette b	efore ag	ge 11 ye	ars (for	the firs	t time)					.
											2.5	1.8	1.5	0.8	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

te-Add	ea			Н	ealth R	isk Beha	avior ar	nd Perco	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u>-</u>		
	Percenta roduct (a										flavor v	vith an	electron	ic			
													85.7	95.4	Increased, 2016-2018	Not available§	Increased
	Percentagar in the			who thir	nk they	definitel	y or pro	bably w	ill smol	ke a ciga	arette, c	igar, cig	garillo, o	or			
													6.5	4.0	Decreased, 2016-2018	Not available	Decreased
	Percenta I smokel																,
											2.2	2.0	1.6	1.0	Decreased, 2013-2018	Not available	No change
QN64: the surv	Percenta ey)	age of s	tudents	who trie	d or use	d tobaco	co produ	icts for t	the first	time (d	uring th	e 12 mo	onths be	fore	,		,

^{*}Based on trend 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 Frederick County **Trend Analysis Report**

Total

				Н	ealth Ri	isk Beha	vior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN66:	Percenta	age of s	tudents v	who live	with so	meone	who nov	v smoke	es cigare	ettes or	cigars		:				
											33.6	30.1	28.0	26.0	Decreased, 2013-2018	Not available§	No change
						ule abou			le their l	nome is	that sm	oking is	s not all	owed			
						ule abou s, garage			le their l	nome is	that sm	oking is	s not allo	owed 85.0	No linear change	Not available	No change
QN68:	re inside	e their h	ome (no	t counting	ng deck		es, or po	rches)					85.0	85.0	No linear change	Not available	No change
QN68:	re inside	e their h	ome (no	t counting	ng deck	s, garage	es, or po	rches)					85.0	85.0	No linear change No linear change	Not available Not available	No change
QN68: during to	Percenta he 7 day	age of s	tudents ve the sur	who wer	re in the	s, garage	om with	n someo	ne who	was sm	noking (on at le	85.0 ast one o	85.0 day			

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Total

				Н	ealth R	isk Beha	avior ar	nd Perco	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN70:	Percenta	age of s	tudents	who cur	rently u	sed mari	juana (d	one or m	ore tim	es durin	g the 30) days b	efore th	e			
											3.6	3.7	3.0	3.4	No linear change	Not available§	No change
QN71:	Percent	age of s	4	1													
	before t			who we	re offere	ed, sold,	or give	n an ille	gal drug	on scho	ool prop	erty (di	aring the	e 12			
				wno we	re offere	ed, sold,	or giver	an ille	gal drug	on scho	ool prop	erty (di 4.3	aring the	e 12 4.6	No linear change	Not available	No change
QN72:	before to	he surve	tudents		v a denti	ed, sold,					5.4	4.3	3.1	4.6	No linear change	Not available	No change
QN72:	before to	he surve	tudents	who saw	v a denti						5.4	4.3	3.1	4.6	No linear change No linear change	Not available Not available	No change
N72: UN72:	Percenta he 12 m	age of s	tudents	who sav	a denti		check-ı	ıp, exan	n, teeth	cleaning	5.4 g, or oth	4.3	3.1 al work, 75.8	4.6 77.4			

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

[§]Not enough years of data to calculate.

Total Site-Adde	ed																
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN74:				who par	ticipate	in extra	curricul	ar activi	ities at s	chool (s	such as	sports, b	and, dr	ama,			
											70.0	68.1	66.8	60.0	Decreased, 2013-2018	Not available [§]	No change
QN77: I	Percenta	age of st	tudents	who say	definite	ely yes o	or proba	bly yes	that you	ng peop	ole who	smoke	have mo	ore			
											18.4	14.3	16.4	23.5	Increased, 2013-2018	Not available	Increased
QN78: or fit in	Percenta	age of st	tudents	who say	definite	ely yes o	or proba	bly yes	that smo	oking m	akes yo	ung peo	ple lool	cool cool			
											12.2	7.6	8.8	13.2	No linear change	Not available	Increased
QN79:	Percenta f an alco	age of stoholic b	tudents everage	who sor	newhat	or strong	gly disa _l	pprove o	of some	one thei	r age ha	aving on	e or two)			
				. 3	3	•							84.1	83.1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Fotal Site-Add	ed			Н	ealth R	isk Beh	avior aı	nd Perc	entages	1					Linear Change [*]	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		2010-2018
QN80: them to														for			
		,	.,	1	(****		,	,, - 8	,		89.2	89.2	88.8	89.2	No linear change	Not available [§]	No change
QN81:													(physic	ally or	,		
	,						(111,		1,	· · · · · ·	70.5	73.6	76.6	72.7	No linear change	Not available	Decreased
QN82: and in o														ally			
		-	-							•	81.5	79.6	82.6	78.3	No linear change	Not available	Decreased

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Total

				Н	ealth R	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991 199	3 1	995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN83: Perce o them	entage	e of st	udents	who hav	e an ad	ult outsi	de of scl	hool the	y can ta	lk to ab	out thir	ıgs that	are imp	ortant			
											88.6	88.7	89.1	89.6	No linear change	Not available [§]	No change
N84: Perce		of st	udents	who wo	uld feel	comfort	ahle see	dring ho	In from			lulta bo	idos the	:			
arents if the	y had	an im						King ne	тр пош	one or i							
arents if the	y had	an im						King ne	тр пош	one or i	82.3	82.7	80.5	81.7	No linear change	Not available	No change
N85: Perce	entage	e of str	udents	t question	on affect	ing their	r life		-	,	82.3	82.7	80.5	81.7	No linear change	Not available	No change
QN85: Perce	entage	e of str	udents	t question	on affect	ing their	r life		-	,	82.3	82.7	80.5	81.7	No linear change No linear change	Not available Not available	No change
N85: Perce	entage he 12	e of str mont	udents hs befo	who tall	xed to a	teacher	or other	adult ir	their so	chool ab	82.3 Fout a po	82.7 ersonal 30.4	80.5 problem 32.9	81.7 1 they 29.0			

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Male **Injury and Violence Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle) 61.1 48.2 55.5 51.5 No linear change Not available§ No change QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard) 68.0 56.0 59.3 59.0 No linear change Not available No change QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car) No change 5.7 4.3 3.1 3.6 Decreased, 2013-2018 Not available QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car) 20.4 15.3 16.5 15.3 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.

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County **Trend Analysis Report**

Male

njury ar	IG V 101	CHCC			Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	199	5 19	97	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_ }		
QN10:	Percen	tage of	stude	ents v	who eve	er carrie	d a weap	oon (suc	h as a g	un, knif	e, or clu	ub) 46.5	44.9	46.9	37.6	No linear change	Not available [§]	Decreased
QN11:	Percen	tage of	stude	ents v	who we	re ever i	n a phys	sical fig	nt			57.8	50.8	51.9	48.4	Decreased, 2013-2018	Not available	No change
QN14:	Percen	tage of	stude	ents v	who eve	er seriou	sly thou	ght abou	ıt killin	g thems	elves	13.5	10.3	11.6	12.6	No linear change	Not available	No change
QN15:	Percen	tage of	stude	ents v	vho eve	er made	a plan a	bout ho	w they v	vould ki	ill them	selves		7.7	7.8	No linear change	Not available	No change
QN16:	Percen	tage of	stude	ents v	who eve	er tried t	o kill th	emselve	S					3.8	3.5	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Male Tobacco	Use			Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN17:	Percenta	age of st	tudents	who eve	er tried c	cigarette	smokin	g (even	one or t	wo puff	rs)	•	5.7	5.1	No linear change	Not available [§]	No change
QN18: puffs)	Percenta	age of st	tudents	who trie	d cigare	ette smo	king for	the first	t time be	efore ag	e 11 ye	ars (eve	n one or	1.8	No linear change	Not available	No change
QN19: survey)	Percenta	age of st	tudents	who cur	rently s	moked c	cigarette	s (on at	least 1 c	lay duri	ng the 3	30 days 1.1	before to	he 1.2	Decreased, 2013-2018	Not available	No change
QNFRC days bef				ents who	o curren	ntly smo	ked ciga	rettes fr	requently	y (on 20	or moi	re days o	during th	ne 30 0.5	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 Frederick County **Trend Analysis Report**

Male

				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	CIG: I		ge of st	udents v	vho curr	rently sn	noked ci	garettes	daily (on all 30) days d	uring th	e 30 da	ys			
		•									0.9	0.1	0.2	0.5	No linear change	Not available§	No change
QN21:	Percenta	age of st	udents	who eve	r used a	ın electro	onic vap	or prod	uct								
												11.9	13.5	18.8	No linear change	Not available	No change
	Percenta he surve		udents v	who cur	rently u	sed an e	lectronic	c vapor	product	(on at l	east 1 da	ay durir	ng the 30	0 days			
												5.5	2.2	6.6	No linear change	Not available	Increased
			e of stud		o currer	ntly used	l electro	nic vapo	or produ	icts freq	uently (on 20 o	r more	days	,		
U		•		• ,								0.6	0.4	1.3	No linear change	Not available	Increased

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

[§]Not enough years of data to calculate.

Male Tobacco	Use			Н	ealth R	isk Beh	avior ar	nd Perc	entages	;					Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNDAY the 30 d				tudents	who cur	rently u	sed elec	tronic v	apor pro	oducts d	aily (on	all 30 c	lays dur	ing			
the 30 ti	uys ser	ore the s	ui vey)									0.2	0.4	1.1	No linear change	Not available [§]	No change
QN24: dissolva vapor pr	ble toba	icco pro	ducts [s	uch as C	Copenha	igen, Gr	izzly, Sk	coal, or	Camel S					nic			
													2.4	1.9	No linear change	Not available	No change
QN25: during the					rently s	moked o	eigars (c	igars, ci	garillos	, or little	e cigars.	on at le	east 1 da	ıy			
											4.5	2.2	1.7	1.3	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Male 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 QN26: Percentage of students who ever drank alcohol (other than a few sips) 21.3 12.9 19.7 17.4 No linear change Not available§ No change QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips) 10.2 6.4 11.3 9.2 No linear change Not available No change QN28: Percentage of students who ever used marijuana 4.2 5.8 No linear change Not available No change 7.9 4.3 QN29: Percentage of students who tried marijuana for the first time before age 11 years 2.9 2.2 1.6 1.4 No linear change Not available No change

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

[§]Not enough years of data to calculate.

Male Alcohol a	nd Oth	er Dru	g Use														
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN30: I different hydrocoe	ly than	how a c	doctor to	who eve	er took p to use i	orescript it (count	ion pain ing drug	medici gs such a	ne withous codei	out a doone, Vico	ctor's prodin, Ox	escripti xycontin	on or	•			
,	,		,										2.8	6.9	Increased, 2016-2018	Not available [§]	Increased
QN31: 1	Percenta	age of s	tudents	who eve	er used c	cocaine (any fori	m of coo	caine, in	cluding	powder	r, crack,	or freel	base)	,		,
											3.9	1.7	2.7	2.3	No linear change	Not available	No change
QN32: I						nhalants	(sniffed	d glue, b	reathed	the con	itents of	spray c	ans, or		,		
											8.8	3.4	3.3	5.8	No linear change	Not available	No change
QN33: 1	Percenta	age of s	tudents	who eve	er took s	teroids v	without	a doctor	's presc	ription (pills or	shots)					
											3.6	1.5	1.2	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.

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Male

Sexual Bo	al Behaviors Health Risk Behavior and Percentages													Linear Change [*]	Quadratic Change*	Change from 2016-2018 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	age of st	udents v	who eve	er had se	xual inte	ercourse	:				5.3	3.5	5.2	No linear change	Not available [§]	No change
QN35:	Percenta	nge of st	udents	who had	l sexual	intercou	irse for t	he first	time be	fore age	e 11 yea	rs 1.8	0.7	1.4	No linear change	Not available	No change
QN36:	Percenta	nge of st	udents	who eve	er had se	xual into	ercourse	with th	ree or n	nore per	rsons	1.8	0.7	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.

[§]Not enough years of data to calculate.

	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38: 1	Percenta	age of st	tudents v	who des	cribed t	hemselv	es as sli	ghtly or	r very o	verweig	tht 19.9	22.2	22.9	22.4	No linear change	Not available [§]	No change
QN39: 1	Percenta	age of st	tudents v	who wei	re trying	g to lose	weight				32.3	29.4	33.3	35.0	No linear change	Not available	No change
QN40: 1	Percenta	age of st	tudents v	who did	not eat	breakfa	st (durin	g the 7	days be	fore the	survey)	,				,
											6.8	5.3	7.2	7.3	No linear change	Not available	No change
QNBK7	DAY: I	Percenta	age of st	udents v	who ate	breakfa	st on all	7 days	(during	the 7 da	ays befo	re the si	urvey)				
											59.7	63.3	57.7	56.7	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Male Physical	ale ysical Activity Health Risk Behavior and Percentages														Linear Change [*]	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN41: kind of j	physical	activity															
•		•									60.7	64.4	66.9	62.0	No linear change	Not available [§]	No change
QNPA0 1 day (in during t	n any kii	nd of ph	ysical a	ctivity t											,		,
											7.4	7.5	8.1	10.4	No linear change	Not available	No change
QNPA7 kind of days bet	physical	activity															
											37.0	40.4	44.0	37.4	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Male Physical	ale ysical Activity Health Risk Behavior and Percentages												Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN42:	Percenta	age of st	tudents	who wa	tched te	levision	3 or mo	re hours	s per da	y (on ar	n averag	e schoo	l day)	•			
											28.9	24.8	19.7	19.2	Decreased, 2013-2018	Not available§	No change
QN43: (countir smartph average	ig time s one, cor	spent on nputer,	things s	such as j	playing	games,	watching	g videos	, texting	g, or usi	ing soci	al media	on the	ir	No linear change	Not available	No change
QN44: week w					ended pl	nysical e	ducation	n (PE) c	lasses o	n 1 or n	nore day	ys (in ar 93.9	averag	e 88.2	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Male **Physical Activity Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 5.8 89.5 86.4 84.2 Increased, 2013-2018 Not available§ No change QN45: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey) 74.3 73.5 70.3 No linear change Not available No change QN46: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey) 18.8 18.6 No linear change Not available No change

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

[§]Not enough years of data to calculate.

Male Other																	
				Н	ealth R	isk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN47:	Percenta	age of s	tudents	who hac	l ever be	een told	by a doo	ctor or n	urse tha	t they h	nad asth	ma		·			
											22.8	19.5	16.3	14.1	Decreased, 2013-2018	Not available [§]	No change
QN48:	Percent	age of s	tudents	who got	8 or mo	ore hour	s of slee	p (on ar	n averag	e schoo	ol night)				,		
											59.4	63.2	60.4	59.0	No linear change	Not available	No change
QN49: before the			tudents	who des	scribed t	heir grad	des in so	hool as	mostly	A's or I	B's (dur	ing the	12 mont	hs	,		,
												87.3	83.8	85.4	No linear change	Not available	No change

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

Not enough years of data to calculate.

Aale Site-Add	ed																
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN52: driving		age of s	tudents	who hav	ve ever i	ridden in	a car d	riven by	someo	ne who	was tex	ting wh	ile they	were			
												52.0	56.2	49.9	No linear change	Not available [§]	Decreased
QN54: stopped											eks in a	row so	that the	y			
											17.9	13.2	15.4	13.4	No linear change	Not available	No change
QN55:	Percent	age of s	tudents	who sm	oked a v	whole ci	garette l	pefore a	ge 11 ye	ears (for	the firs	t time)	•				
											3.4	1.1	1.9	1.1	Decreased, 2013-2018	Not available	No change
QN62:				who thi	nk they	definitel	y or pro	bably w	vill smol	ke a ciga	arette, c	igar, cig	garillo, o	or			
		J											7.5	4.9	Decreased, 2016-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Aale ite-Addo	Added Health Risk Behavior and Percentages														Linear Change*	Quadratic Change [*]	Change from
									J						C		2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN63: flavored survey)																	
3,											3.6	1.9	1.5	1.0	Decreased, 2013-2018	Not available [§]	No change
QN64: the surv		age of s	tudents	who trie	ed or use	ed tobaco	co produ	icts for	the first	time (d	uring th	e 12 mc	onths be	fore			
												3.3	3.1	2.4	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	:					,
											33.9	31.7	27.8	24.9	Decreased, 2013-2018	Not available	No change
QN67: anywhei									le their l	home is	that sm	oking is	not all	owed			
													86.7	85.9	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.

ite-Adde	ed			Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change fron 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN68: 1					re in the	same ro	oom wit	h some	one who	was sm	oking ((on at le	ast one	day			
during ti	ne / day	is octore	o une sur	(VCy)									14.0	13.3	No linear change	Not available§	No change
QN69: 1 the 30 da				who cur	rently d	rank alc	ohol (at	least or	ne drink	of alcol	hol, on	at least	1 day dı	ıring			
											9.7	5.6	6.3	6.1	No linear change	Not available	No change
QN70: I	Percenta	age of st	udents	who cur	rently u	sed mar	ijuana (d	one or n	nore tim	es durir	ng the 3	0 days l	pefore th	ne			
											4.8	3.6	3.7	4.1	No linear change	Not available	No change
QN71: I				who we	re offere	ed, sold,	or give	n an ille	gal drug	on sch	ool pro	perty (d	uring th	e 12	,		
montus (octore u	ne sui ve	<i>(</i> 3)								6.4	4.9	2.6	4.6	No linear change	Not available	No chang

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

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

Male Site-Adde	ed																
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN72: during the						ist (for a	check-	up, exar	n, teeth	cleaning	g, or oth	ner dent	al work	,			
													75.0	76.8	No linear change	Not available [§]	No change
QN73: School y		age of st	tudents	who we	re taugh	t in thei	r classes	s about t	the dang	ers of to	obacco	use (du	ring the	last			
											87.5	87.8	87.5	82.0	Decreased, 2013-2018	Not available	Decreased
QN74: Clubs, or				who par	ticipate	in extra	curricul	ar activi	ities at s	chool (s	such as	sports, l	oand, dr	ama,			
											68.1	65.5	62.6	58.7	Decreased, 2013-2018	Not available	No change
QN77:	Percenta	age of st	tudents	who say	definite	ely yes o	or proba	bly yes	that you	ng peop	ole who	smoke	have m	ore			
											19.4	12.5	16.5	22.2	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Male Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN78: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in 15.1 7.6 8.2 12.9 No linear change Not available§ Increased QN79: Percentage of students who somewhat or strongly disapprove of someone their age having one or two drinks of an alcoholic beverage nearly every day 82.5 80.9 No linear change Not available No change QN80: Percentage of students who responded that their parents would feel it would be wrong or very wrong for

88.0

88.8 88.7 87.4

No linear change

Not available

them to drink beer, wine, or hard liquor (such as vodka, whiskey, or gin) at least once or twice a month

No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	isk Beha	ovior an	d Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
-	Percenta ways) i	_						_			_		(physic	ally or			
											67.6	72.3	76.8	71.0	No linear change	Not available§	Decreased
	Percenta other way													ally			,
											80.5	79.0	80.3	77.1	No linear change	Not available	No change
	Percent	age of s	udents v	who hav	e an adı	ult outsi	de of scl	hool the	y can ta	lk to ab	out thin	gs that	are imp	ortant			
QN83: to them											89.4	89.7	89.0	90.7	No linear change	Not available	No change
															-	1,00 0,000	No change
to them QN84:								king he	lp from	one or i	more ad		ides the	ir		1000	No change

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

				Н	ealth R	isk Beha	avior an	d Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
						teacher (or other	adult in	their sc	chool abo	out a per	rsonal p	oroblem	they			
						teacher	or other	adult in	their sc		•	•	problem	•	No linear change	Not available [§]	No change
						teacher (or other	adult in	their sc		•	rsonal p		24.8	No linear change	Not available [§]	No change
nad (dur	Percenta	12 mon	ths before	re the su	ırvey)						•	26.3	28.0	24.8	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.

Female Injury an	ıd Viole	ence		н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN6: P		ge of stu	idents w	ho rarel	ly or nev	ver wore	a bicyc	le helm	et (amo	ng stude	ents who	o had rio	lden a				
											52.3	43.5	51.6	48.6	No linear change	Not available§	No change
QN7: P							a helm	et when	rollerbl	ading o	r skateb	oarding	(among	3			
											60.9	49.8	56.6	56.9	No linear change	Not available	No change
QN8: P	ercentag	ge of stu	idents w	ho rarel	ly or nev	ver wore	a seat b	elt (wh	en ridin	g in a ca	ar)	-	-	:	,		
											3.4	3.0	3.1	2.9	No linear change	Not available	No change
QN9: P	ercentag	ge of stu	ıdents w	ho ever	rode wi	ith a driv	ver who	had bee	en drink	ing alco	hol (in	a car)	-	-			
											20.9	19.0	23.5	18.4	No linear change	Not available	Decreased

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Female

					I	Health	Ris	k Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	199)5	1997	1999	200	01	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN10:	Percen	tage c	f stu	idents	who ev	er car	ried	a weap	on (suc	h as a g	un, knif	e, or clu	ıb)	,	,				
													18.4	18.5	21.0	17.1	No linear change	Not available§	No change
QN11:	Percen	tage c	f stu	idents	who w	ere ev	er in	a phys	sical fig	ht			-						
													28.6	23.6	25.4	22.2	No linear change	Not available	No change
QN14:	Percen	tage c	f stu	idents	who ev	er ser	iousl	y thou	ght abo	ut killin	g thems	elves	•	-	-				
													20.8	21.4	23.2	23.5	No linear change	Not available	No change
QN15:	Percen	tage c	f stu	idents	who ev	er ma	de a	plan a	bout ho	w they v	would ki	ill them	selves						
															14.2	12.3	No linear change	Not available	No change
QN16:	Percen	tage c	f stu	idents	who ev	er trie	ed to	kill th	emselve	·S			-						
															6.6	6.1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Female Fobacco	Use			Н	ealth R	isk Beh	avior ar	ıd Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN17:	Percent	age of s	tudents	who eve	er tried c	cigarette	smokin	g (even	one or t	wo puff	fs)		3.6	3.0	No linear change	Not available [§]	No change
QN18: puffs)	Percent	age of s	tudents	who trie	ed cigare	ette smo	king for	the firs	t time bo	efore ag	e 11 ye	ars (eve	en one or	two	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 o	day duri	ng the 3	30 days 2.4	before t	he 0.2	Decreased, 2013-2018	Not available	No change
QNFRC days bet				lents wh	o curren	ntly smo	ked ciga	rettes fi	requentl	y (on 20	0.2	re days	during t	he 30 0.0	Not available	Not available	Not available

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Tobacco Use Health Risk Behavior and Percentages Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) Not available Not available§ 0.0 0.8 0.1 0.0 Not available QN21: Percentage of students who ever used an electronic vapor product 10.2 11.7 16.6 Increased, 2014-2018 Not available Increased QN22: Percentage of students who currently used an electronic vapor product (on at least 1 day during the 30 days

5.0

0.9

2.0

0.3

4.8

0.6

No linear change

No linear change

Not available

Not available

QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days

before the survey)

Female

during the 30 days before the survey)

Increased

No change

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

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

[§]Not enough years of data to calculate.

Female Tobacco	Use																
				Н	ealth R	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QNDAY the 30 da				tudents	who cur	rently us	sed elect	tronic va	apor pro	ducts d	aily (on	all 30 d	ays duri	ing			
												0.9	0.3	0.5	No linear change	Not available [§]	No change
QN24: dissolva vapor pr	ble toba	cco pro	ducts [s	uch as C	Copenha	gen, Gri	zzly, Sk	coal, or	Camel S					nic			
													0.9	1.0	No linear change	Not available	No change
QN25: during the					rently s	moked c	igars (c	igars, ci	garillos	, or little	e cigars,	on at le	east 1 da	У	-		
											1.3	2.8	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.

[§]Not enough years of data to calculate.

Female Alcohol a	and Oth	er Druş	g Use	н	ealth R	isk Beh	avior ar	nd Perco	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN26:	Percenta	age of si	tudents	who eve	er drank	alcohol	(other t	han a fe	w sips)		18.8	12.7	14.7	13.0	No linear change	Not available [§]	No change
QN27:	Percenta	age of st	tudents	who dra	nk alcol	hol for t	he first t	ime bef	ore age	11 year	s (other	than a f	ew sips)			
											7.2	7.3	6.0	5.1	Decreased, 2013-2018	Not available	No change
QN28:	Percenta	age of si	tudents	who eve	er used r	narijuan	a	,	,		2.9	4.8	2.9	2.6	No linear change	Not available	No change
QN29:	Percenta	age of st	tudents	who trie	d mariji	uana for	the first	t time be	fore ago	e 11 yea	ars 0.5	4.3	1.2	0.8	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Female Alcohol a	nd Oth	er Druş	g Use														
				Н	ealth R	isk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN30: I different hydroco	ly than	how a c	loctor to														
nyuroco	done, ui	id i cic	<i>secty</i>										3.8	6.9	Increased, 2016-2018	Not available [§]	No change
QN31: 1	Percenta	age of s	tudents	who eve	er used o	cocaine (any fori	n of coo	caine, in	cluding	powde	r, crack,	or freel	oase)			
											2.0	3.5	2.4	1.5	No linear change	Not available	No change
QN32: I						nhalants	(sniffed	d glue, b	reathed	the con	itents of	spray c	ans, or				
											7.9	5.9	4.4	3.9	Decreased, 2013-2018	Not available	No change
QN33: 1	Percenta	age of s	tudents	who eve	er took s	teroids v	without a	a doctor	's presci	ription (pills or	shots)					
											1.0	2.6	1.6	1.7	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Female

Sexual Bo	ehaviors	S		Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	ige of st	udents v	who eve	er had se	xual inte	ercourse	2)				2.5	1.1	1.4	No linear change	Not available [§]	No change
QN35:	Percenta	ige of st	udents v	who had	l sexual	intercou	irse for t	the first	time be	fore age	e 11 yea	rs 1.0	0.2	0.6	No linear change	Not available	No change
QN36:	Percenta	ige of st	udents v	who eve	r had se	xual into	ercourse	with th	aree or n	nore pei	rsons	0.6	0.2	0.3	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	sk Beha	avior an	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38:	Percenta	age of st	udents	who des	cribed tl	hemselv	es as sli	ghtly or	very ov	verweig	ht	:	:				
											25.5	23.4	22.6	22.7	No linear change	Not available [§]	No change
QN39:	Percenta	age of st	udents	who wer	e trying	to lose	weight										
											50.4	44.6	46.7	45.4	No linear change	Not available	No change
QN40:	Percenta	age of st	udents	who did	not eat	breakfas	st (durin	g the 7	days be	fore the	survey	·)	•		,		
											9.8	10.7	10.9	11.6	No linear change	Not available	No change
QNBK7	DAY: 1	Percenta	nge of st	udents v	who ate	breakfas	st on all	7 days	(during	the 7 da	ays befo	ore the s	urvey)	:			·
											49.1	51.5	45.3	44.4	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Female Physical	Activity	7		Н	ealth R	isk Beha	avior aı	ıd Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN41: kind of j	physical	activity	that in														
J		,									51.7	57.2	58.0	57.8	No linear change	Not available§	No change
QNPA0 1 day (in during t	n any ki	nd of ph	ysical a	activity t													
											7.2	9.0	10.3	10.8	No linear change	Not available	No change
QNPA7 kind of days bet	physical	activity	that in														-
											22.6	30.0	28.6	28.5	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Female Physical <i>I</i>	Activity	7		Н	ealth R	isk Beh	avior aı	ıd Perc	entages	;					Linear Change [*]	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN42: 1	Percent	age of s	tudents	who wa	tched te	levision	3 or mo	ore hour	s per da	y (on aı	n averag	e schoo	l day)	•			
											29.2	20.2	20.8	20.9	Decreased, 2013-2018	Not available [§]	No change
QN43: 1 (countin smartph average	g time s	spent on mputer,	things	such as p	playing	games,	watchin	g videos	s, textin	g, or us	ing soci	al medi	a on the	ir			,
											29.3	31.8	32.7	37.6	No linear change	Not available	No change
QN44: I week wh					ended pl	nysical e	educatio	n (PE) c	classes o	on 1 or 1	nore da	ys (in aı	n averag	ge			
											95.7	93.8	93.2	89.4	Decreased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages	}					Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QNDLY					o atteno	ded phys	sical edu	cation ((PE) cla	sses on	all 5 da	ys (in a	n avera	ge			
week wl	ien tney	were in	i school,)							<i>5</i> 0	00.0	99.6	07.0	J 1 2012 2010	NI - 4 1 - 1 - 1 - 8	NT 1
											5.2	90.9	88.6	87.8	Increased, 2013-2018	Not available [§]	No change
											5.2	90.9	88.0	87.8	Increased, 2013-2018	Not available ^s	No change
QN45:									(countir	ng any to					Increased, 2013-2018	Not available	No change
QN45: commun									(countir	ng any to					No linear change	Not available Not available	No change
commu	nity grou	ps, duri	ing the p	oast 12 r	months b	before th	ne surve	y)			eams ru	n by the 70.3	eir scho	ol or 63.3			
	nity grou	ips, duri	ing the p	vho had	nonths l	before th	ne surve	y)			eams ru	n by the 70.3	eir scho	ol or 63.3			

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

[§]Not enough years of data to calculate.

Female Other																	
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	8		
QN47:	Percenta	age of s	tudents	who hac	l ever be	en told	by a do	ctor or n	urse tha	at they h	nad asth	ma		·			
											18.1	17.6	16.5	16.5	No linear change	Not available [§]	No change
QN48:	Percenta	age of s	tudents	who got	8 or mo	ore hour	s of slee	p (on ar	n averag	e schoo	ol night))	:				
											58.3	59.4	54.4	50.0	Decreased, 2013-2018	Not available	No change
QN49: before the			tudents	who des	cribed t	heir gra	des in so	chool as	mostly	A's or I	B's (dur	ing the	12 mon	ths			,
		• /										93.3	92.2	88.4	Decreased, 2014-2018	Not available	No change

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

[§]Not enough years of data to calculate.

emale te-Addo	ed																
				Н	ealth Ri	isk Beha	vior an	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN52: I		age of st	udents	who hav	e ever r	idden in	a car dı	riven by	someor	ne who	was text	ing whi	le they	were	,		
												59.4	67.5	54.8	No linear change	Not available§	Decreased
					sad or her during					ey)	27.4		that they	31.3	No linear change	Not available	
																	No change
QN55: 1	Percenta	age of st	udents	who smo	oked a w	whole cig	garette b	efore ag	ge 11 ye	ars (for	the first	t time)	<u>.</u>				No change
QN55:	Percenta	age of st	udents	who smo	oked a v	whole ci	garette b	efore aş	ge 11 ye	ars (for	the first	t time)	0.9	0.3	Decreased, 2013-2018	Not available	No change No change
QN62: 1	·	nge of st	udents	,	oked a w						1.7	2.2	·		Decreased, 2013-2018	Not available	

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

[§]Not enough years of data to calculate.

emale ite-Addo	ed														* · · · · · · · · · · · · · · · · · · ·		
				Н	ealth R	isk Beh	avior ar	id Perc	entages						Linear Change [*]	Quadratic Change [*]	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN63: flavored survey)																	
•											0.8	2.2	1.3	0.8	No linear change	Not available [§]	No change
QN64:		age of s	tudents	who trie	ed or use	ed tobaco	co produ	icts for	the first	time (d	uring th	e 12 mo	onths be	fore	,		
												3.0	3.0	2.5	No linear change	Not available	No change
QN66: 1	Percenta	age of s	tudents	who live	e with so	omeone	who no	w smok	es cigare	ettes or	cigars		•				
											33.4	28.8	27.9	27.3	No linear change	Not available	No change
QN67: anywher									le their	home is	that sm	oking is	s not all	owed			,
													83.9	84.3	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

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Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN68: Percentage of students who were in the same room with someone who was smoking (on at least one day during the 7 days before the survey) 18.2 15.9 No linear change Not available§ No change QN69: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) 9.1 7.1 6.4 6.0 No linear change Not available No change

2.5

4.3

3.9

3.5

1.9

3.2

2.5

4.5

No linear change

No linear change

Not available

Not available

QN70: Percentage of students who currently used marijuana (one or more times during the 30 days before the

QN71: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12

months before the survey)

Female

survey)

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.

[§]Not enough years of data to calculate.

Female Site-Add	e d																
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN72: during t						ist (for a	check-ı	ıp, exan	n, teeth	cleaning	g, or oth	ner dent	al work	,			
													77.4	78.1	No linear change	Not available§	No change
QN73: school y		age of s	tudents	who we	re taugh	t in thei	r classes	about t	he dang	ers of to	obacco	use (du	ring the	last	,		
											89.7	88.7	86.2	81.9	Decreased, 2013-2018	Not available	No change
QN74: clubs, or				who par	ticipate	in extra	curricul	ar activi	ties at s	chool (s	such as	sports, l	and, dr	ama,			
											72.0	71.1	71.2	61.3	No linear change	Not available	Decreased
QN77: friends	Percenta	age of s	tudents	who say	definite	ely yes o	or proba	bly yes	that you	ng peop	ole who	smoke	have m	ore			
											17.4	16.2	16.0	25.0	Increased, 2013-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Temale Site-Add	ed			Н	ealth R	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN78: or fit in	Percenta	age of s	tudents	who say	definite	ely yes o	or probal	bly yes	that smo	oking m	akes yo	oung peo	ple lool	k cool			
											9.1	7.4	8.9	13.6	Increased, 2013-2018	Not available [§]	No change
QN79: drinks o							gly disap	oprove o	of some	one thei	r age h	aving on	e or two	0			,
													86.7	85.3	No linear change	Not available	No change
QN80: them to														for			
											90.4	89.7	89.8	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.

[§]Not enough years of data to calculate.

ite-Add	ed			Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from
																	2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
-		_				le are at f alcoho					_		(physic	ally or			
											73.3	75.1	76.5	74.6	No linear change	Not available§	No change
						le are at inks of a								ally			
														-	No linear change	Not available	Decreased
and in o	ther way	ys) if the	ey have	five or	more dri		alcohol (beer, w	ine, or l	iquor) o	82.5	80.1	week 85.4	79.3	No linear change	Not available	Decreased
QN83:	ther way	ys) if the	ey have	five or	more dri	inks of a	alcohol (beer, w	ine, or l	iquor) o	82.5	80.1	week 85.4	79.3	No linear change No linear change	Not available Not available	Decreased No change
QN83: o them	Percenta	age of s	tudents	who hav	we an adv	inks of a	de of sc	hool the	ine, or l	iquor) o	82.5 Fout thir	80.1 gs that 88.1	85.4 are imp	79.3 ortant 88.6			

^{*}Based on trend 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 Frederick County **Trend Analysis Report**

Female

				Н	ealth R	isk Beha	avior an	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
~		_				teacher	or other	adult in	their so	chool ab	out a pe	rsonal	problem	n they			
-		_				teacher	or other	adult in	n their so			ersonal j	problem	they	No linear change	Not available [§]	No change
QN85: I		_				teacher	or other	adult in	n their so			•	•	J	No linear change	Not available [§]	No change
nad (dur	Percenta	12 mont	ths before	re the su	irvey)			,	,		36.8	34.4	37.8	33.0	No linear change	Not available [§]	No change

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

[§]Not enough years of data to calculate.

White* Injury ar	nd Viol	ence															
				H	Iealth I	Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN6: Pe	ercenta	ge of stu	ıdents w	ho rarel	y or nev	ver wore	a bicyc	le helm	et (amo	ng stude	ents who	had rio	lden a	•			
010,010,											53.1	40.9	46.1	42.2	No linear change	Not available [¶]	No chang
QN7: Pe							a helm	et when	rollerbl	ading o	r skateb	oarding	(among	3	 		
											60.8	48.8	51.9	52.7	No linear change	Not available	No chang
QN8: Pe	ercenta	ge of stu	idents w	ho rarel	y or nev	ver wore	a seat b	elt (wh	en ridin	g in a ca	ar)						;
											3.1	1.9	1.8	2.5	No linear change	Not available	No chang
QN9: Pe	ercenta	ge of stu	ıdents w	ho ever	rode w	ith a driv	ver who	had bee	en drink	ing alco	ohol (in	a car)					
											22.4	17.9	19.8	18.2	No linear change	Not available	No chang

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

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

Maryland Middle School Survey Frederick County Trend Analysis Report

White*

				I	Health I	Risk Bel	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN10: 1	Percenta	age of s	tudents	who eve	er carrie	d a weap	oon (suc	h as a g	un, knife	e, or clu	ab) 35.1	34.0	36.8	29.4	No linear change	Not available¶	Decreased
QN11: 1	Percent	age of s	tudents	who we	re ever i	in a phys	sical figl	nt			39.4	33.5	34.2	31.5	Decreased, 2013-2018	Not available	No change
QN14: 1	Percent	age of s	tudents	who eve	er seriou	ısly thou	ght abou	ıt killin	g thems	elves	16.9	14.4	15.0	16.3	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 thems	selves		10.6	9.4	No linear change	Not available	No change
QN16: 1	Percent	age of s	students	who eve	er tried t	o kill th	emselve	S					3.9	4.2	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.

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

Maryland Middle School Survey Frederick County Trend Analysis Report

White* **Tobacco Use Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs) 3.0 3.5 No linear change Not available ¶ No change QN18: Percentage of students who tried cigarette smoking for the first time before age 11 years (even one or two puffs) 1.5 1.3 No linear change Not available No change QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) 2.6 1.8 0.4 0.9 Decreased, 2013-2018 Not available No change QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) 0.5 0.1 No linear change Not available No change 0.6 0.2

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

White* **Tobacco Use Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) 0.2 0.1 0.2 No linear change Not available ¶ No change 0.5 QN21: Percentage of students who ever used an electronic vapor product 9.7 16.8 Increased, 2014-2018 Not available Increased 11.4 QN22: Percentage of students who currently used an electronic vapor product (on at least 1 day during the 30 days before the survey) 4.4 1.6 5.3 No linear change Not available Increased QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days

0.9

0.3

1.1

No linear change

Not available

during the 30 days before the survey)

Increased

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Vhite* Tobacco U	Jse																
				H	Iealth R	Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991 1	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNDAYE the 30 day				udents v	who cur	rently u	sed elect	tronic v	apor pro	ducts d	aily (on	all 30 d	ays dur	ing			
are so day	, 5 0 0 10.		, oj)									0.7	0.3	0.9	No linear change	Not available¶	No chang
QN24: Pe dissolvable vapor proc	le toba	cco prod	ducts [st	uch as C	Copenha	gen, Gr	izzly, Sk	coal, or	Camel S				electro		N. F. J.	N . 711	
													1.4	1.1	No linear change	Not available	No chang
QN25: Peduring the					rently si	moked c	eigars (c	igars, ci	garillos	, or little	e cigars,	on at le	ast 1 da	ny			

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

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

White* Alcohol a	and Otl	ner Dru	g Use														CI 6
				ŀ	lealth F	Risk Bel	iavior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26: 1	Percenta	age of st	udents	who eve	er drank	alcohol	(other t	han a fe	w sips)								
											19.4	12.0	15.7	15.2	No linear change	Not available [¶]	No chang
QN27: 1	Percenta	age of st	udents	who dra	nk alcol	hol for t	he first t	ime bef	ore age	11 year	s (other	than a f	ew sips)			
											6.8	6.1	8.4	6.1	No linear change	Not available	No chang
QN28: 1	Percenta	age of st	udents	who eve	er used r	narijuan	a	-	-	-				-			
											5.1	3.3	2.2	4.4	No linear change	Not available	Increased
QN29: 1	Percenta	age of st	udents	who trie	d mariji	uana for	the first	time be	efore ag	e 11 yea							
											0.8	2.8	0.9	0.8	No linear change	Not available	No chang

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

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

Vhite* Alcohol a	and Otl	her Dru	ıg Use														
				H	Iealth F	Risk Bel	navior a	nd Per	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
	tly than	how a d	loctor to						ne withous codei								
y aroco.	done, ar		,,,,,,										2.2	6.1	Increased, 2016-2018	Not available [¶]	Increase
QN31: 1	Percenta	age of st	tudents	who eve	er used c	cocaine (any for	m of co	caine, in	cluding	powder	r, crack,	or freel	oase)			:
											1.7	2.5	1.7	1.6	No linear change	Not available	No chang
				who eve		nhalants	(sniffed	d glue, b	breathed	the con	itents of	spray c	ans, or				,
											7.5	3.3	1.9	5.2	No linear change	Not available	Increase
N33: 1	Percenta	age of st	tudents	who eve	er took s	teroids v	without	a docto	r's presc	ription (pills or	shots)	;	•			
											1.6	1.7	0.9	1.9	No linear change	Not available	No chan

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

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

Maryland Middle School Survey Frederick County Trend Analysis Report

White*

				H	lealth R	isk Beh	avior a	nd Pero	entages	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	age of st	udents v	who eve	r had se	xual inte	ercourse					2.7	1.8	3.2	No linear change	Not available¶	No change
	-																
QN35:	Percenta	age of st	udents v	who had	sexual	intercou	rse for t	he first	time be	fore age	e 11 year	rs					
QN35:	Percenta	age of st	udents v	who had	sexual	intercou	rse for t	he first	time be	fore age	e 11 yea	1.0	0.4	1.0	No linear change	Not available	No change

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

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

White* Weight I	Manage	ement a	nd Diet	-		Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN38: 1	Percenta	age of st	udents	who des	cribed t	hemselv	es as sli	ghtly or	very ov	verweig	ght 23.1	21.5	22.6	20.8	No linear change	Not available¶	No change
QN39: 1	Percenta	age of st	tudents	who wer	re trying	g to lose	weight	,	,		41.4	33.4	36.3	38.0	No linear change	Not available	No change
QN40:	Percenta	age of st	udents	who did	not eat	breakfa	st (durin	ig the 7	days be	fore the	survey)	÷				,
											7.9	6.3	7.8	9.2	No linear change	Not available	No change
QNBK7	DAY: 1	Percenta	age of st	tudents v	who ate	breakfa	st on all	7 days	(during	the 7 da	ays befo	ore the si	urvey)				
											55.9	61.5	53.7	52.8	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.

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

White* Physical	Activity	y															
				H	Iealth R	Risk Bel	navior a	nd Per	centage	es					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
kind of p	Percenta physical fore the s	activity	that inc														
·		•									59.5	64.4	67.3	65.0	No linear change	Not available¶	No change
1 day (iı	DAY: For any kiruhe 7 day	nd of ph	ysical a	ctivity t													
											5.2	6.1	7.1	8.0	No linear change	Not available	No chang
kind of p	DAY: For the s	activity															,

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

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

				H	lealth R	Risk Beh	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
)N42: F	Percenta	age of st	tudents v	who wat	ched tel	levision	3 or mo	re hours	s per da	y (on an	averag	ge schoo	ol day)				
											26.5	18.9	18.6	17.6	Decreased, 2013-2018	Not available [¶]	No chan
QN43: F counting martpho iverage s	g time s one, con	pent on nputer,	things s	uch as p	olaying g	games, v	watching	g videos	, texting	g, or usi	ter 3 or	more h al medi	ours per	r day oir an	,	Not available [¶] Not available	
counting martpho verage s	g time sone, conschool of	pent on nputer, lay)	things s	uch as playStati	olaying gon, iPad	games, v l, or othe	watching er tablet	g videos , for son	s, texting	g, or usi that wa	ter 3 or ng soci s not so	more h al medi chool we	ours per a on the ork, on a	r day eir an 38.9	,		No cha

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

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

Maryland Middle School Survey Frederick County Trend Analysis Report

White* **Physical Activity Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 86.2 Increased, 2013-2018 Not available ¶ No change 5.1 92.0 90.9 QN45: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey) 76.3 75.7 71.1 No linear change Not available No change QN46: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey) 15.1 15.3 Not available No change No linear change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Other **Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma 19.6 17.3 15.7 12.9 Decreased, 2013-2018 Not available ¶ No change

58.8 63.7

QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

93.0 91.9 89.9 No linear change Not available No change

Not available

54.4 Decreased, 2013-2018

White*

QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)

No change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

White* Site-Added **Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN52: Percentage of students who have ever ridden in a car driven by someone who was texting while they were driving the car No linear change Not available ¶ Decreased 57.4 63.3 56.6 QN54: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) No linear change Not available No change 21.7 17.1 18.1 21.4 QN55: Percentage of students who smoked a whole cigarette before age 11 years (for the first time) 1.9 1.0 Decreased, 2013-2018 Not available No change QN62: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year 5.2 3.4 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.

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

Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Site-Added **Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 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) 2.0 1.6 1.2 0.8 No linear change Not available ¶ No change

QN66: Percentage of students who live with someone who now smokes cigarettes or cigars

33.4 30.0 27.1 27.3 No linear change Not available No change

2.7

3.1

2.7

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)

QN64: Percentage of students who tried or used tobacco products for the first time (during the 12 months before

85.5 86.0 No linear change Not available No change

Not available

No linear change

White*

the survey)

No change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

White*

				H	lealth F	Risk Beh	navior a	nd Per	centage	es					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN68: during t					e in the	same ro	om wit	h some	one who	was sm	oking (on at le	ast one	day			
													16.3	16.0	No linear change	Not available¶	No change
	Percenta	age of s	tudents	v.ho our					-	-					,		
ne 30 d	ays befo			wno cui	rently d	rank alc	ohol (at	least or	ne drink	of alcol	nol, on	at least	l day dı	aring			
ne 30 d	ays befo			wno cui	rently d	rank alc	ohol (at	least or	ne drink	of alcol	9.3	at least 6.0	l day di 6.3	aring 5.8	Decreased, 2013-2018	Not available	No change
		ore the s	urvey)			rank alco					9.3	6.0	6.3	5.8	Decreased, 2013-2018	Not available	No change
QN70:		ore the s	urvey)								9.3	6.0	6.3	5.8	Decreased, 2013-2018 No linear change	Not available Not available	No change
QN70: survey)	Percenta Percenta	age of si	tudents v	who cur	rently u		ijuana (d	one or n	nore tim	nes durir	9.3 ng the 3 2.8	6.0 0 days t 2.8	6.3 Defore the 1.9	5.8 ne 3.3			

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

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

Maryland Middle School Survey Frederick County Trend Analysis Report

White* Site-Added **Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN72: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey) 79.7 82.1 No linear change Not available ¶ No change QN73: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year) 88.6 83.5 Decreased, 2013-2018 90.2 90.7 Not available Decreased QN74: Percentage of students who participate in extracurricular activities at school (such as sports, band, drama,

73.6 70.3 68.4 62.2 Decreased, 2013-2018

Increased, 2013-2018

15.4 11.4 12.5 20.8

friends

QN77: Percentage of students who say definitely yes or probably yes that young people who smoke have more

clubs, or student government)

No change

Increased

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.

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

Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

White* Site-Added **Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN78: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in No linear change Not available ¶ Increased 10.7 5.5 7.3 11.7 QN79: Percentage of students who somewhat or strongly disapprove of someone their age having one or two drinks of an alcoholic beverage nearly every day 86.2 84.5 No linear change Not available No change QN80: Percentage of students who responded that their parents would feel it would be wrong or very wrong for them to drink beer, wine, or hard liquor (such as vodka, whiskey, or gin) at least once or twice a month 90.2 89.7 88.1 88.0 No linear change Not available No change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

White* Site-Added **Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN81: Percentage of students who think people are at moderate or great risk of harming themselves (physically or in other ways) if they have one or two drinks of alcohol (beer, wine, or liquor) nearly every day 69.7 74.1 77.2 70.4 No linear change Not available ¶ Decreased ON82: Percentage of students who think people are at moderate or great risk of harming themselves (physically and in other ways) if they have five or more drinks of alcohol (beer, wine, or liquor) once or twice a week 82.1 80.6 84.5 78.8 No linear change Not available Decreased QN83: Percentage of students who have an adult outside of school they can talk to about things that are important to them No linear change Not available No change 90.8 91.3 92.2 92.6 QN84: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life 83.5 83.9 82.1 83.6 No linear change Not available No change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Site-Add	led			I	Health F	Risk Beh	navior a	nd Perc	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014			- 3		
QN85:	Percent	age of st	tudents v	who toll	rad to a	taaaham.											
had (dur						teacher	or other	aduit in	i their sc	chool ab	32.8	30.5	groblen 32.5	28.8	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.

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

Black* Injury a	nd Viol	ence															
				I	Iealth I	Risk Bel	navior a	nd Per	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN8: P	ercentag	ge of stu	idents w	ho rare	y or nev	ver wore	a seat b	elt (wh	en riding	g in a ca	ar)						
											7.5	4.9	4.5	3.3	No linear change	Not available [¶]	No change
QN9: P	ercentag	ge of stu	idents w	ho ever	rode w	ith a dri	ver who	had bee	n drinki	ing alco	hol (in a	a car)					,
											14.6	14.2	22.2	18.4	No linear change	Not available	No change
QN10:	Percenta	age of st	tudents	who eve	er carrie	d a weap	on (suc	h as a g	un, knif	e, or clu	ıb)	,					
											28.3	21.4	25.5	22.8	No linear change	Not available	No change
QN11: 1	Percenta	age of st	tudents	who we	re ever i	n a phy	sical figl	ht		-		:					,
											62.4	50.6	50.6	56.9	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.

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

				H	Iealth R	Risk Beh	avior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN14:	Percenta	age of st	udents v	who eve	r seriou	sly thou	ght abou	ıt killinş	g themse	elves							
											15.4	17.7	18.5	24.5	No linear change	Not available [¶]	No change
QN15:	Percenta	age of st	udents v	who eve	r made a	a plan al	bout hov	w they w	vould ki	ll thems		17.7	9.4	14.8	No linear change	Not available [¶] Not available	No change

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

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

Black* Fobacco	Use			F	Health F	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN17:	Percenta	age of st	tudents	who eve	er tried c	rigarette	smokin	g (even	one or t	wo puff	s)	1	8.2	6.2	No linear change	Not available¶	No chang
QN18: ouffs)	Percenta	age of st	tudents	who trie	ed cigare	ette smo	king for	the first	t time be	efore ag	e 11 ye	ars (eve	n one or	two	No linear change	Not available	No chang
QN19: survey)	Percenta	age of st	tudents	who cur	rently si	moked c	eigarette	s (on at	least 1 o	lay duri	ng the 3	30 days	before the description of the de	0.0	Not available	Not available	Not availa
QNFRC days bet				ents wh	o curren	itly smo	ked ciga	rettes fr	equentl	y (on 20	0 or mor	re days o	during th	ne 30	Not available	Not available	Not availa

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

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

Black* Fobacco	Use																
				H	Iealth R	disk Bel	avior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QNDAY before th			ge of sti	udents w	vho curr	ently sn	noked ci	garettes	daily (on all 30) days d	luring th	e 30 da	ys			
											0.6	0.0	0.0	0.0	Not available	Not available¶	Not availabl
QN21:	Percenta	age of st	udents	who eve	r used a	n electro	onic vap	or prod	uct			10.7	10.0	22.2	N. P	N. c	N. d
												18.7	18.8	23.2	No linear change	Not available	No change
QN22: 1 before th			udents v	who cur	rently us	sed an e	lectronic	e vapor	product	(on at 1	east 1 d	lay durir	ng the 30	0 days			
												10.8	4.7	7.9	No linear change	Not available	No change
QNFRE during tl					o curren	ntly used	l electro	nic vapo	or produ	icts freq	uently ((on 20 o	r more o	days			
												0.0	0.0	1.2	Not available	Not available	Not availab

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

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

Black* Fobacco U	U se			-											***		CI. A
				Н	Iealth R	Risk Bel	navior a	nd Pero	centage	S					Linear Change [†] Quadratic Change [†] Not available Not available [¶]	Change from 2016-2018 §	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNDAYE the 30 day				udents v	who curi	rently us	sed elect	ronic v	apor pro	ducts d	aily (on	all 30 c	lays du	ring			
ine so day	y 5 001 0	re the st	ar (e									0.0	0.0	0.5		Not availabl	
QN24: Pedissolvabl	le toba	cco pro	ducts [st	uch as C	Copenha	gen, Gri	izzly, Sk	oal, or	Camel S				electro				,
													1.6	1.0	No linear change	Not available	No change
ON25: P					rently sr	noked c	cigars (c	igars, ci	garillos	, or littl	e cigars.	on at le	east 1 d	ay			
during the	e 30 da	ys befoi	e the su	ırvey)													

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

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

Alcohol			8	H	lealth R	Risk Bel	navior a	nd Pero	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26:	Percenta	ige of st	udents v	who eve	r drank	alcohol	(other t	han a fe	w sips)		23.9	14.7	19.1	16.5	No linear change	Not available [¶]	No change
ON27:	Domoonto	· ·		-													
	Percenta	ige of st	udents v	who drai	nk alcol	nol for tl	ne first t	ime bef	ore age	11 year	s (other	than a f	ew sips))			
	Percenta	ige of st	udents v	who drai	nk alcoł	nol for tl	ne first t	ime bef	ore age	11 year	rs (other 15.6	than a f	ew sips)	9.7	No linear change	Not available	No change
QN28:								ime bef	ore age	11 year			-		No linear change	Not available	No change
								ime bef	ore age	11 year			-		No linear change	Not available Not available	No change

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

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

lack* .lcohol	and Otl	her Dru	g Use	H	Iealth R	Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
lifferen	Percenta tly than done, ar	how a d	loctor to														
iyuroco	done, ai	id i eicc	icei)										9.2	12.4	No linear change	Not available¶	No chan
QN31:	Percenta	age of st	udents	who eve	r used c	ocaine (any fori	m of co	caine, in	cluding	powde	r, crack,	or free	base)			,
											4.6	3.3	3.6	2.1	No linear change	Not available	No chan
	Percenta any pair					nhalants	(sniffed	d glue, b	oreathed	the con	itents of	spray o	ans, or				
	7.1	•	, ,								12.6	5.9	5.5	7.1	No linear change	Not available	No chan
QN33:	Percenta	age of st	udents	who eve	r took s	teroids v	without	a docto	's presc	ription (pills or	shots)	•				
											3.9	2.0	1.5	0.7	No linear change	Not available	No chan

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

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

Weight I	Manage	ment a	nd Diet	-		Risk Bel	navior a	nd Per	centage	s					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38: 1	Percenta	age of st	tudents	who des	scribed t	hemselv	es as sli	ghtly or	very ov	verweig	tht 21.2	21.4	15.3	23.6	No linear change	Not available¶	No change
QN39: 1	Percenta	age of st	tudents	who wer	re trying	g to lose	weight	,			46.7	42.1	46.8	39.5	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)		•			
											11.4	13.0	7.4	13.0	No linear change	Not available	No change
QNBK7	DAY: I	Percenta	age of st	tudents v	who ate	breakfa	st on all	7 days	(during	the 7 da	ays befo	ore the si	ırvey)	•			
											47.9	40.1	52.1	41.9	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.

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

. my oreur	Activit	у		H	lealth R	lisk Bel	avior a	nd Perc	centages	S					Linear Change [†]	Quadratic Change [†] Not available [¶]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN41: I kind of p	physical	activity															
											49.9	51.5	46.7	51.3	No linear change	Not available¶	No chang
ONDAO	DAY: I			udents v					st 60 mii	nutes of	physic	al activi	ty on at	least			
1 day (ir	n any kii				nat incre	eased th	eir heart	rate and	d made		14.2	ard som			No linear change	Not available	Increased
	n any kin he 7 day DAY: I	Percenta activity	ge of stu	vey)	vho wer	e physic	ally acti	ve at le	 ast 60 m	them br	14.2	13.7 on all 7	9.2 days (i	17.9	No linear change	Not availab	ole

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

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

Physical A	Acuvity	y		H	lealth R	isk Beh	navior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN42: P	ercenta	age of st	udents v	who wat	ched tel	evision	3 or mo	re hours	s per da	y (on ar	n averag	ge schoo	ol day)				
														25.2			
											46.4	41.9	36.0	35.2	Decreased, 2013-2018	Not available [¶]	No chang
counting martpho	g time s ne, con	pent on nputer,	things s	such as p	olaying g	games, v	watching	g videos	, texting	g, or usi	ter 3 or	more h	ours per a on the	day ir an	Decreased, 2013-2018 Increased, 2013-2018	Not available Not available	No chan
QN43: P counting martpho everage s QN45: P	g time sone, conschool d	pent on nputer, lay)	things s Xbox, P	such as playStati	on, iPad	games, v , or other	watching er tablet	y videos , for son	s, texting mething	g, or usi that wa	ter 3 or ing soci is not so	more heal medical medical work.	ours per a on the ork, on a	day ir an 51.8	,		

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

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

Maryland Middle School Survey Frederick County Trend Analysis Report

Black*
Physical Activity

Health Risk Behavior and Percentages

Linear Change[†] Quadra

Quadratic Change[†]

Change from 2016-2018 §

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

QN46: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

13.6 19.3 No l

No linear change

Not available¶

No change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

				H	Iealth R	Risk Beh	navior a	nd Pero	entage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN52:	Percenta the car	nge 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												53.8	57.9	51.1	No linear change	Not available [¶]	No change
	Percenta doing so										eks in a	row so	that the	y			
											19.1	20.7	24.3	24.7	No linear change	Not available	No change
	Percenta ar in the			who thir	nk they	definitel	y or pro	bably w	ill smol	ke a ciga	arette, c	igar, cig	garillo, o	or			

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

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

Maryland Middle School Survey Frederick County Trend Analysis Report

Black* Site-Added **Health Risk Behavior and Percentages** Linear Change[†] Quadratic Change[†] Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 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) 4.9 4.4 1.7 0.0 Not available Not available ¶ Not available QN64: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey) No linear change Not available No change 4.6 2.8 3.0 QN66: Percentage of students who live with someone who now smokes cigarettes or cigars 33.4 35.5 35.2 28.4 No linear change Not available No change ON67: 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) 76.3 78.1 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.

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

Not enough years of data to calculate.

				H	Iealth R	kisk Beh	avior a	nd Pero	centage	S					Linear Change [†]	Quadratic Change [†]	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percenta he 7 day				e in the	same ro	oom witl	n some	one who	was sm	oking (on at le	ast one	day			
													17.4	18.0	No linear change	Not available¶	No chang
	Percenta ays befo			who cur	rently di	rank alco	ohol (at	least on	ne drink	of alcol	nol, on a	it least	l day dı	ıring			
				who cur	rently di	rank alco	ohol (at	least on	ne drink	of alcol	nol, on a	7.7	9.3	uring 6.3	No linear change	Not available	No chang
N70:		ore the s	urvey)								11.1	7.7	9.3	6.3	No linear change	Not available	No chang
ie 30 d	ays befo	ore the s	urvey)								11.1	7.7	9.3	6.3	No linear change	Not available Not available	No chang No chang
N70:	ays befo	age of st	udents v	who cur	rently us	sed mari	ijuana (c	one or m	nore tim	es durin	11.1 g the 30 7.3	7.7) days b	9.3 pefore th	6.3 ne 2.6			

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

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

Maryland Middle School Survey Frederick County Trend Analysis Report

Black* Site-Added

Health Risk Behavior and Percentages

Linear Change[†] Quad

Quadratic Change[†]

Change from 2016-2018 §

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

QN78: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in

20.4 11.3 14.3 20.8

No linear change

Not available¶

No change

^{*}Non-Hispanic.

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

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

Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Hispanic **Injury and Violence Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle) 73.2 63.3 71.8 70.7 No linear change Not available§ No change QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car) 10.6 8.9 6.9 Decreased, 2013-2018 Not available No change QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car) No change 23.5 14.1 19.7 15.8 No linear change Not available

29.1

28.0

30.5

27.6

No linear change

Not available

QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)

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 Frederick County Trend Analysis Report

Hispanic

				Н	ealth R	isk Beh	avior an	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN11: 1	Percenta	age of s	tudents	who we	re ever i	n a phys	sical figh	nt			51.4	42.9	47.8	39.7	Decreased, 2013-2018	Not available [§]	No change
QN14:	Percenta	age of s	tudents	who eve	er seriou	sly thou	ght abou	ıt killinş	g thems	elves	20.4	19.1	25.4	20.6	No linear change	Not available	No change
QN15:	Percenta	age of s	tudents	who eve	er made	a plan a	bout hov	w they w	would ki	ll them	selves	,	15.6	9.2	Decreased, 2016-2018	Not available	Decreased
QN16: 1	Percenta	age of s	tudents	who eve	er tried to	o kill the	emselve	S					12.9	6.0	Decreased, 2016-2018	Not available	No change

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

[§]Not enough years of data to calculate.

Hispanic Fobacco																	
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change [*]	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	•		
QN17:	Percenta	age of s	tudents	who eve	er tried c	igarette	smokin	g (even	one or t	wo puff	fs)		11.3	7.1	No linear change	Not available [§]	No change
QN18: puffs)	Percenta	age of s	tudents	who trie	d cigare	ette smo	king for	the first	t time be	efore ag	e 11 ye	ars (eve	n one or	3.0	No linear change	Not available	No change
QN19: survey)	Percenta	age of s	tudents	who cur	rently si	moked c	rigarette	s (on at	least 1 o	lay duri	ng the 3	30 days 2.3	before t	he 1.1	No linear change	Not available	No change
QNFRC days bef				ents who	o curren	atly smo	ked ciga	rettes fi	requentl	y (on 20) or mo	re days	during t	he 30	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 Frederick County Trend Analysis Report

Hispanic

				Н	ealth R	isk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
ONDAY Defore th			ge of st	udents v	who curi	ently sn	noked ci	garettes	daily (d	on all 30	0 days d	luring th	ne 30 da	ys			
											1.2	0.6	0.4	0.8	No linear change	Not available [§]	No change
QN21: I	Percent	age of st	udents	who eve	er used a	ın electro	onic vap	or prod	uct								
												13.5	13.4	20.9	No linear change	Not available	Increased
N22: I			udents	who cur	rently u	sed an e	lectroni	e vapor	product	(on at l	east 1 d	ay duri	ng the 3	0 days			
												6.5	3.2	8.2	No linear change	Not available	Increased
		rcentage sys befo			io currei	ntly used	l electro	nic vapo	or produ	icts freq	uently ((on 20 c	or more	days			
												0.5	1.0	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.

[§]Not enough years of data to calculate.

Hispanic Fobacco V				H	ealth R i	isk Beh	avior an	ıd Perce	entages						Linear Change*	Quadratic Change*	Change from
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			2016-2018
QNDAY the 30 da				udents v	who curi	rently us	sed elect	ronic va	apor pro	ducts d	aily (on	all 30 d	ays duri	ng 1.5	No linear change	Not available [§]	No change
QN24: I														nic .			
vapor pr													3.2	2.4	No linear change	Not available	
													3.2	2	To inical change	110t available	No change

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

[§]Not enough years of data to calculate.

Hispanic Alcohol a		er Druş	g Use	Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26:	Percent	age of s	tudents	who eve	er drank	alcohol	(other t	han a fe	w sips)		27.6	16.8	23.5	22.7	No linear change	Not available [§]	No change
QN27:	Percent	age of st	tudents	who dra	nk alcol	hol for t	he first t	ime bef	ore age	11 year	s (other	than a	few sips)			
											13.5	9.3	12.0	11.9	No linear change	Not available	No change
QN28:	Percent	age of si	tudents	who eve	er used r	narijuan	ıa	,	,	,	6.1	8.6	5.9	4.8	No linear change	Not available	No change
QN29:	Percent	age of st	tudents	who trie	ed mariji	uana for	the first	time be	efore ago	e 11 yea	ars 2.9	3.7	2.6	2.6	No linear change	Not available	No change

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

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

Hispanic Alcohol a		er Dru	g Use														
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN30: I different hydrocoo	tly than	how a c	doctor to	who eve	er took p to use i	orescript it (count	ion pain ing drug	medici gs such a	ne withous codei	out a doone, Vico	ctor's pr odin, Ox	escripti xycontin	on or				
ny aroco.	done, a	ia i cic	<i>(</i>										2.8	9.0	Increased, 2016-2018	Not available [§]	Increased
QN31: I	Percent	age of s	tudents	who eve	er used o	cocaine (any for	m of coo	caine, in	cluding	powder	r, crack,	or freel	base)			
											5.5	4.3	5.5	3.4	No linear change	Not available	No change
QN32: I						nhalants	(sniffed	d glue, b	reathed	the con	itents of	spray c	ans, or	,			
											10.4	7.3	8.7	4.3	No linear change	Not available	No change
QN33: 1	Percenta	age of s	tudents	who eve	er took s	teroids v	without	a doctor	's presc	ription (pills or	shots)					
											2.5	4.3	3.4	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.

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Hispanic

Sexual B	enaviors	S		Н	ealth Ri	isk Beha	avior ar	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_ }		
QN34:	Percenta	age of st	tudents	who eve	er had se	xual int	ercourse	;			•	6.8	5.0	3.0	Decreased, 2014-2018	Not available [§]	No change
QN35:	Percenta	age of st	tudents	who had	l sexual	intercou	irse for t	he first	time be	fore age	e 11 yea	rs 3.0	2.0	1.5	No linear change	Not available	No change
QN36:	Percenta	age of st	tudents	who eve	r had se	xual int	ercourse	with th	ree or n	nore pei	rsons	2.4	1.7	0.8	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				Н	ealth Ri	sk Beha	avior an	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN38:	Percenta	age of st	udents	who des	cribed th	hemselv	es as sli	ghtly or	very ov	verweig	ght 24.9	30.7	27.6	24.6	No linear change	Not available [§]	No change
QN39:	Percenta	age of st	udents v	who wei	re trying	to lose	weight	,	,		49.1	50.0	54.2	46.9	No linear change	Not available	No change
QN40:	Percenta	age of st	udents	who did	not eat	breakfas	st (durin	g the 7	days be	fore the	survey)					,
											13.5	14.2	12.9	12.0	No linear change	Not available	No change
QNBK7	DAY: 1	Percenta	ige of st	udents v	who ate	breakfas	st on all	7 days	(during	the 7 da	ays befo	ore the si	ırvey)		+		
											42.6	45.1	39.2	48.1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Hispanic Physical A		,															
				Н	ealth Ri	sk Beh	avior ar	nd Perc	entages						Linear Change [*]	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN41: I kind of p	physical	activity	that in														
·		•									49.3	54.5	51.9	49.5	No linear change	Not available [§]	No change
QNPA01 1 day (ir during th	n any kii	nd of ph	ysical a	ctivity t													
											11.9	12.9	18.3	13.9	No linear change	Not available	No change
QNPA71 kind of p days bef	physical	activity	that in														
											26.5	27.3	36.3	25.4	No linear change	Not available	Decreased

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

[§]Not enough years of data to calculate.

				He	ealth Ris	sk Beha	vior an	d Perce	entages						Linear Change*	Quadratic Change*	Change fron 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN42:	Percenta	ige of st	udents v	vho wat	ched tele	evision	3 or mo	re hours	per day	y (on an	averag	e school	l day)				
											38.0	27.0	17.5	20.9	Decreased, 2013-2018	Not available§	No change
(countin	g time s	pent on nputer, 2	things si	uch as p	yed video olaying g	games, v	vatching	g videos	, texting	g, or usi	ng socia	al media	on thei	ir			
•	school o	lay)									41.9	34.2	31.8	39.7	No linear change	Not available	No change
average QN44:	school o	age of st	udents w		nded ph	ysical ed	ducation	n (PE) c	lasses o						No linear change	Not available	No chang

^{*}Based on trend 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 Frederick County Trend Analysis Report

Hispanic **Physical Activity Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 5.8 87.2 78.2 82.5 Increased, 2013-2018 Not available§ No change QN45: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey) 60.6 64.1 59.8 No linear change Not available No change QN46: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

23.3

20.1

No linear change

Not available

No change

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

[§]Not enough years of data to calculate.

Hispanic Other																	
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 [†]
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	_		
QN47:	Percent	age of s	tudents	who hac	l ever be	een told	by a doo	ctor or n	urse tha	nt they h	nad asth	ma					
											22.0	21.3	16.2	19.8	No linear change	Not available [§]	No change
QN48:	Percent	age of s	tudents	who got	8 or mo	ore hour	s of slee	p (on ar	n averag	e schoo	ol night)						
											53.4	60.6	57.1	57.5	No linear change	Not available	No change
QN49: before the			tudents	who des	scribed t	heir grad	des in sc	chool as	mostly	A's or I	B's (duri	ing the	12 mont	ths			
												81.9	79.3	76.7	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

spanic te-Add																	
				Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN52: Iriving		age of st	tudents	who hav	e ever r	idden in	a car di	riven by	someor	ne who	was text	ting wh	ile they	were			
												56.4	60.1	48.7	No linear change	Not available§	Decreased
				who felt							eks in a	row so	that the	y			
											31.7	26.1	40.1	26.4	No linear change	Not available	Decreased
QN55:	Percenta	age of st	udents	who smo	oked a v	vhole ci	garette b	pefore a	ge 11 ye	ears (for	the firs	t time)	•				
											2.0	3.8	3.8	2.5	No linear change	Not available	No change
																	
	Percenta ar in the			who thii	nk they	definitel	y or pro	bably w	ill smok	te a ciga	arette, c	igar, cig	garino, c	ЭΓ			

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

[§]Not enough years of data to calculate.

ispanic ite-Add																	
				H	ealth Ri	isk Beha	avior an	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN63: flavored survey)	Percental smokel	age of si less toba	tudents vacco pro	who use ducts, o	d flavor r both, r	ed tobac not coun	cco prod	lucts (fla	avored c garettes,	igars, c	igarillos the 30 c	s, or littl days bef	e cigars fore the	5,			
											2.3	1.5	4.2	2.4	No linear change	Not available [§]	No change
QN64: the surv	Percenta (ey)	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			
												4.1	3.4	2.2	No linear change	Not available	No change
QN66:	Percent	age of s	tudents	who live	e with so	omeone	who nov	w smok	es cigare	ettes or	cigars		•		,		
											36.7	25.1	26.1	22.3	Decreased, 2013-2018	Not available	No change
	Percentare inside								le their l	nome is	that sm	oking is	not all	owed			
													87.6	86.3	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey **Frederick County Trend Analysis Report**

Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN68: Percentage of students who were in the same room with someone who was smoking (on at least one day during the 7 days before the survey) 14.3 11.1 No linear change Not available§ No change QN69: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) 10.2 7.9 6.0 9.5 No linear change Not available No change QN70: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)

6.6

4.9

4.6

9.4

3.6

6.1

4.5

5.6

No linear change

No linear change

Not available

Not available

QN71: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12

months before the survey)

Hispanic

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.

Iispanic ite-Adde																	
				Н	ealth Ri	isk Beha	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	8		
QN72: I						st (for a	check-ı	up, exar	n, teeth	cleaning	g, or oth	ner dent	al work	,			
													64.2	67.1	No linear change	Not available§	No change
QN73: I school y		age of st	tudents	who we	re taugh	t in their	r classes	s about t	he dang	ers of to	obacco	use (dui	ring the	last			
											86.6	86.7	81.9	76.0	Decreased, 2013-2018	Not available	No change
QN74: 1				who par	ticipate	in extra	curricul	ar activi	ties at s	chool (s	such as	sports, l	oand, dr	ama,			
											62.4	65.4	57.9	47.6	Decreased, 2013-2018	Not available	No change
QN77: I	Percenta	age of st	tudents	who say	definite	ely yes o	or proba	bly yes	that you	ng peop	ole who	smoke	have m	ore			:
											26.4	19.8	30.4	29.6	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

Maryland Middle School Survey Frederick County Trend Analysis Report

Hispanic Site-Added **Health Risk Behavior and Percentages** Linear Change* Quadratic Change* Change from 2016-2018 [†] 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN78: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in 16.7 12.5 14.3 15.7 No linear change Not available§ No change QN79: Percentage of students who somewhat or strongly disapprove of someone their age having one or two drinks of an alcoholic beverage nearly every day 75.1 79.0 No linear change Not available No change

84.3 90.0 93.0 89.0

No linear change

Not available

QN80: Percentage of students who responded that their parents would feel it would be wrong or very wrong for them to drink beer, wine, or hard liquor (such as vodka, whiskey, or gin) at least once or twice a month

No change

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

[§]Not enough years of data to calculate.

Iispanic ite-Addo																	
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN81: in other													(physic	ally or			
											73.2	73.7	71.6	76.2	No linear change	Not available§	No change
QN82: and in o														ally			
											79.0	78.1	81.2	74.2	No linear change	Not available	No change
QN83: to them	Percent	age of s	tudents	who hav	ve an ad	ult outsi	de of sc	hool the	ey can ta	lk to ab	out thir	ngs that	are imp	ortant			
											79.0	80.2	81.4	88.2	Increased, 2013-2018	Not available	No change
QN84:								eking he	lp from	one or	more ac	lults bes	sides the	eir			
_	-		-	•		-					72.8	81.2	73.7	79.1	No linear change	Not available	No change

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

[§]Not enough years of data to calculate.

				H	ealth R	isk Beha	avior an	nd Perco	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
		_				teacher	or other	adult in	n their so	chool ab	out a pe	rsonal	problen	n they			
		_	tudents v			teacher	or other	adult in	their so	chool ab	•		•	J	No linear change	Not available [§]	No chang
		_				teacher	or other	adult in	n their so	chool ab	•	ersonal 29.0	problem 34.6	30.0	No linear change	Not available [§]	No chang
d (dur N86: 1	ing the	12 mon	ths before	re the su	irvey)	teacher					37.0	29.0	34.6	30.0	No linear change	Not available [§]	No chang

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