## **Maryland Middle School Survey Cecil County Trend Analysis Report**

5.3

Total **Injury and Violence Health Risk Behavior and Percentages** 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)

> 73.3 73.0 73.4 67.0 Decreased, 2013-2018 Not available§

Linear Change\*

Decreased

Quadratic 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)

> 77.4 72.7 72.0 72.5 No linear change

Not available No change

QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)

4.8 No linear change 3.8 3.4

Not available

No change

Change from 2016-2018 <sup>†</sup>

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

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

# **Maryland Middle School Survey Cecil County Trend Analysis Report**

Total

Injury ar	ıd Viole	ence															
				Н	ealth R	isk Beha	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN9: P	ercenta;	ge of stu	udents w	ho ever	rode wi	ith a driv	er who	had bee	n drinki	ing alco	ohol (in	a car)					
											24.3	23.4	23.8	19.5	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QN10:	Percent	age of s	tudents	who eve	er carrie	d a wear	on (suc	h as a gi	un, knif	e, or clu							
											38.3	38.4	42.0	33.9	No linear change	Not available	Decreased
QN11:	Percent	age of s	tudents	who we	re ever i	n a phys	sical figl	nt			44.8	45.9	45.5	41.3	Decreased, 2013-2018	Not available	No change
											44.0	43.9	43.3	41.5	Decreased, 2013-2018	Not available	No change
QN14:	Percent	age of s	tudents	who eve	er seriou	sly thou	ght abou	ıt killing	g thems	elves	16.3	16.5	19.8	20.5	Increased, 2013-2018	Not available	No change
												10.0		20.0		1,00,0,000	
QN15:	Percent	age of s	tudents	who eve	er made	a plan a	bout hov	v they v	vould ki	ll them	selves		13.1	13.0	No linear change	Not available	No change
															Ç		Č

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

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

Total Injury a	nd Vi	ioler	nce															
					Н	ealth R	isk Beh	avior aı	nd Perc	entages	•					Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	199	93	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN16:	Perce	enta	ge of s	tudents	who eve	er tried t	o kill the	emselve	s				•	7.2	7.4	No linear change	Not available <sup>§</sup>	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Total **Tobacco Use Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs) 10.1 8.6 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) 4.7 3.3 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) Decreased, 2013-2018 No change 5.3 3.7 2.5 2.2 Not available QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30

1.3

0.6

0.4

0.2

Decreased, 2013-2018

Not available

days before the survey)

No change

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

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

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

# **Maryland Middle School Survey Cecil County Trend Analysis Report**

Total

				H	ealth Ri	sk Beh	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNDAY before th			ge of st	udents v	vho curr	ently sn	noked ci	garettes	daily (	on all 30	) days d	uring th	e 30 da	ys			
											1.0	0.3	0.3	0.1	No linear change	Not available§	No change
N21: I	Percenta	age of st	udents	who eve	r used a	n electro	onic vap	or prod	uct	·	·		•				
												18.1	21.1	24.1	Increased, 2014-2018	Not available	No change
N22: In the perfore the			udents	who cur	rently u	sed an e	lectroni	e vapor	product	(on at 1	east 1 da	ay durir	ig the 3	0 days			
												10.3	6.8	10.9	No linear change	Not available	Increased
NFRE'				lents wh	o currer	itly used	l electro	nic vapo	or produ	icts freq	uently (	on 20 o	r more	days			
												1.0	1.7	2.2	Increased, 2014-2018	Not available	No change

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

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

# **Maryland Middle School Survey Cecil County Trend Analysis Report**

				Н	ealth Ri	isk Beh	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change fro 2016-201
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
NDAYI he 30 day				udents v	who cur	rently us	sed elect	ronic va	apor pro	ducts da	aily (on	all 30 d	ays duri 0.9	ing 1.4	No linear change	Not available <sup>§</sup>	No chan
	ys before	age of st	urvey)  udents v	who curruch as C	rently u	sed smo	keless to	obacco (	chewing	g tobacc	co, snuff	0.9 f, dip, sı	0.9	1.4	No linear change	Not available <sup>§</sup>	No chan

2.8

3.2 3.5 1.7

No linear change

Not available

Decreased

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

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

Total Alcohol a	and Oth	er Druş	g Use	Н	ealth R	isk Beh	avior ar	nd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26:	Percent	age of st	tudents	who eve	er drank	alcohol	(other the	han a fe	w sips)	:	23.0	20.4	22.1	19.0	No linear change	Not available <sup>§</sup>	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	)			
											9.2	8.8	10.2	9.6	No linear change	Not available	No change
QN28:	Percent	age of si	tudents	who eve	er used r	narijuan	a				8.2	8.3	7.4	8.0	No linear change	Not available	No change
QN29:	Percent	age of st	tudents	who trie	ed mariji	uana for	the first	time be	efore age	e 11 yea	ars 2.0	3.1	1.7	2.5	No linear change	Not available	No change

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

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

Total Alcohol a	and Oth	er Drug	g Use	Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN30: different	tly than	how a d	loctor to														
nyuroco	done, ui	id i cicc	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										5.1	5.7	No linear change	Not available <sup>§</sup>	No change
QN31:	Percenta	age of st	tudents	who eve	er used c	cocaine (	any for	m of coo	caine, in	cluding	powde	r, crack,	or freel	oase)	, , , , , , , , , , , , , , , , , , ,		
											2.3	2.0	2.5	1.9	No linear change	Not available	No change
QN32: inhaled						nhalants	(sniffed	d glue, b	reathed	the con	itents of	f spray c	ans, or				
											7.3	5.5	6.3	4.5	No linear change	Not available	No change
QN33:	Percenta	age of st	tudents v	who eve	er took s	teroids v	without	a doctor	's presci	ription (	pills or	shots)	,				
											2.1	1.6	2.0	1.7	No linear change	Not available	No change

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

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

# **Maryland Middle School Survey Cecil County Trend Analysis Report**

Total

Sexual B	ehavior	s		Н	ealth Ri	isk Beha	avior an	nd Perco	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	age of st	udents v	who eve	r had se	xual int	ercourse	<b>;</b>			1	6.8	4.8	7.1	No linear change	Not available <sup>§</sup>	No change
QN35:	Percenta	age of s	udents	who had	l sexual	intercou	irse for t	the first	time be	fore age	e 11 yea	rs 1.8	1.1	2.4	No linear change	Not available	Increased
QN36:	Percenta	age of st	udents	who eve	r had se	xual int	ercourse	with th	ree or n	nore per	rsons	2.1	1.4	2.1	No linear change	Not available	No change

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

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

QN38: Percentage of students who described themselves as slightly or very overweight  QN39: Percentage of students who were trying to lose weight  QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)  QN40: Percentage of students who did not eat breakfast on all 7 days (during the 7 days before the survey)  QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)  43.5 52.8 42.3 43.1 Decreased 2013-2018 Not available	ge* Change from 2016-2018 †	Quadratic Change <sup>*</sup>	Linear Change*						entages	d Perce	avior ar	sk Beh		-			9	Weight N
QN39: Percentage of students who were trying to lose weight  43.9 42.9 43.0 43.5 No linear change Not available  QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)  QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)			<u> </u>	2018	2016	2014	2013	2011	2009	2007	2005	2003	2001	1999	1997	1995	1993	1991
QN39: Percentage of students who were trying to lose weight  43.9 42.9 43.0 43.5 No linear change Not available  QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)  9.4 9.0 10.6 14.2 Increased, 2013-2018 Not available  QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)							ht	erweig	very ov	ghtly or	es as sli	hemselv	cribed tl	who des	udents v	ige of st	Percenta	QN38:
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)  9.4 9.0 10.6 14.2 Increased, 2013-2018 Not available  QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)	No change	Not available <sup>§</sup>	No linear change	28.1	25.4	26.7	28.5											
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)  9.4 9.0 10.6 14.2 Increased, 2013-2018 Not available  QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)								-			weight	to lose	e trying	who wer	udents v	ige of st	Percenta	QN39:
9.4 9.0 10.6 14.2 Increased, 2013-2018 Not available  QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)	No change	Not available	No linear change	43.5	43.0	42.9	43.9											
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)			,		:	)	survey	fore the	days be	g the 7	st (durin	breakfa	not eat	who did	udents v	ige of st	Percenta	QN40:
	Increased	Not available	Increased, 2013-2018	14.2	10.6	9.0	9.4											
43.5 52.8 42.3 43.1 Decreased 2013-2018 Not available					ırvey)	re the su	ys befo	the 7 da	(during	7 days (	st on all	breakfa	vho ate	udents v	ige of st	Percenta	DAY: I	QNBK
43.5 32.6 42.5 43.1 Decreased, 2013 2010 110t available	No change	Not available	Decreased, 2013-2018	43.1	42.3	52.8	43.5											

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

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

Fotal Physical	Activity	7		н	ealth R	isk Beha	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN41: kind of j days bef	physical	activity	that in												Increased, 2013-2018	Not available <sup>§</sup>	No change
												05.1	03.1	03.0		1vot available	140 change
QNPA0 1 day (in during the	n any ki	nd of ph	ysical a	ctivity t													
											7.6	7.8	9.8	10.4	Increased, 2013-2018	Not available	No change
QNPA7 kind of j	physical	activity															
-		•									29.1	37.1	36.7	37.4	Increased, 2013-2018	Not available	No change

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

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

				Н	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN42:	Percenta	age of st	udents v	who wat	ched tel	evision	3 or mo	re hours	s per day	y (on ar	ı averag	e schoo	l day)				
											35.1	31.8	26.1	22.8	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN43: (counting	g time s one, cor	pent on nputer,	things s	such as p		games, v	watching	g videos	, texting	g, or usi	ng soci s not sc	al media hool wo	on the ork, on a	ir an	1, , , , , , 1, 2012, 2019	N	-
•	SCHOOL C										12.1	11 1	11 Q				Ingrassed
smartph average	school										42.4	41.1	41.8	48.1	Increased, 2013-2018	Not available	Increased
•	Percenta				nded ph	ysical e	ducation	ı (PE) c	lasses o	n 1 or n					Increased, 2013-2018	Not available	Increased

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

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

Fotal Physical A	Activity	,															
				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	3		
QNDLY week wh					no attend	ded phys	sical edu	cation (	(PE) cla	sses on	all 5 da	ys (in a	n averag	ge			
week wi	ien aie,	Were ii	r sensor	,							7.2	86.1	81.0	77.2	Increased, 2013-2018	Not available <sup>§</sup>	No change
QN45: 1									(countir	ng any to	eams ru	n by the	eir schoo	ol or			
												59.2	61.9	56.5	No linear change	Not available	Decreased
QN46: I						ussion fi	rom play	ying a sp	port or b	peing ph	ysically	active	(one or	more			
													20.8	15.4	Decreased, 2016-2018	Not available	Decreased

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

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

Total Other																	
				Н	ealth Ri	sk Beha	avior an	d Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	_		
QN47:	Percenta	age of s	tudents	who had	l ever be	en told	by a doo	ctor or n	urse tha	it they l	nad asth	ma					
											22.6	22.1	22.1	19.5	No linear change	Not available <sup>§</sup>	No change
QN48:	Percenta	age of s	tudents	who got	8 or mo	re hours	s of slee	p (on ar	n averag	e schoo	ol night)	)					•
											55.1	59.4	55.5	54.7	No linear change	Not available	No change
QN49: before the			tudents	who des	cribed tl	neir grad	des in sc	thool as	mostly	A's or I	B's (dur	ing the	12 mon	ths			
												79.2	75.0	75.9	No linear change	Not available	No change

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

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

Total Site-Add	ed			Н	ealth Ri	isk Beha	avior an	id Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>_</del> ;		
QN52:		age of st	tudents	who hav	e ever r	idden in	a car dı	riven by	someor	ne who	was tex	ting whi	le they	were			
												64.9	68.1	60.8	No linear change	Not available <sup>§</sup>	Decreased
QN54: stopped											eks in a	row so	that the	y			
•	C			ŕ						•	21.8	22.1	26.3	25.7	Increased, 2013-2018	Not available	No change
QN55:	Percenta	age of st	tudents	who sm	oked a v	whole cig	garette b	efore ag	ge 11 ye	ears (for	the firs	t time)					
											3.8	2.7	1.9	1.5	Decreased, 2013-2018	Not available	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Site-Added **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN59: Percentage of students who usually use a kind of flavoring other than tobacco flavor with an electronic vapor product (among students who have ever used an electronic vapor product) 95.9 98.8 No linear change 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 8.3 5.9 No linear change Not available No change QN63: Percentage of students who used flavored tobacco products (flavored cigars, cigarillos, or little cigars,

3.3

3.1

4.6

3.0

4.6

1.1

Decreased, 2013-2018

Decreased, 2014-2018

Not available

Not available

flavored smokeless tobacco products, or both, not counting menthol cigarettes, during the 30 days before the

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

Total

survey)

the survey)

Decreased

Decreased

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

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Total Site-Added

				Н	ealth Ri	sk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN66:	Percenta	age of s	tudents	who live	with so	meone	who nov	w smoke	es cigaro	ettes or	cigars		:	:			
											50.3	47.8	44.4	42.2	Decreased, 2013-2018	Not available§	No change
	Percenta re inside								le their	home is	that sm	oking is	s not alle	owed			
									le their	home is	that sm	oking is	not allo	owed 79.6	No linear change	Not available	No change
QN68:	re inside	e their h	ome (no	who wer	ng deck	s, garage	es, or po	orches)					79.1	79.6	No linear change	Not available	No change
QN68:	re inside	e their h	ome (no	who wer	ng deck	s, garage	es, or po	orches)					79.1	79.6	No linear change  No linear change	Not available  Not available	No change
QN68: during the	re inside	age of s	tudents ve the sur	who werevey)	re in the	s, garage	oom with	n someo	one who	was sm	noking (	on at lea	79.1  ast one of 29.2	79.6 lay 25.8			

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

				Н	ealth Ri	sk Beha	avior an	d Perco	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
N70:	Percenta	age of st	tudents v	who curi	rently us	sed mari	juana (c	one or m	nore tim	es durin	g the 30	) days b	efore the	<del></del>			

4.1

5.5

3.2

4.5

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)

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

75.6 Increased, 2016-2018 Not available Increased

Not available

QN73: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year)

> No change 88.0 88.2 83.7 82.0 Decreased, 2013-2018 Not available

No linear change

months before the survey)

Total a. . . . .

No change

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

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

Total	
Site-Adde	C

				Н	ealth Ri	isk Beha	avior ar	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	Percenta r studen			who par	ticipate	in extra	curricula	ar activi	ties at s	chool (s	uch as	sports, b	and, dr	ama,			
											61.7	57.1	55.6	57.6	No linear change	Not available§	No change
QN77: friends	Percenta	age of st	udents	who say	definite	ely yes o	or probal	oly yes t	that you	ng peop	ole who	smoke	have m	ore			
											22.3	20.4	19.0	22.9	No linear change	Not available	No change
QN78: or fit in	Percenta	age of st	udents	who say	definite	ely yes o	or probal	oly yes t	that smo	oking m	akes yo	ung peo	ple loo	cool			
											13.9	11.6	8.7	14.5	No linear change	Not available	Increased
	Percenta of an alco						gly disap	prove o	of some	one their	r age ha	ving on	e or two	)	,		
#11111CO O																	

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

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

Γotal Site-Adde	ed			Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN80: them to														for			
											88.7	87.3	87.4	89.0	No linear change	Not available <sup>§</sup>	No change
QN81: in other													(physic	ally or			
											68.4	67.6	72.4	70.5	Increased, 2013-2018	Not available	No change
QN82:														ally			
											79.0	76.1	80.6	76.7	No linear change	Not available	No change

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

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

# **Maryland Middle School Survey Cecil County Trend Analysis Report**

Total

				Н	ealth R	isk Beha	avior an	d Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991 1993	3 19	995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN83: Percent	ntage	of stu	udents	who hav	ve an adı	ult outsi	de of scl	hool the	y can ta	lk to ab	out thin	gs that	are imp	ortant			
											88.7	90.7	89.0	86.9	No linear change	Not available§	No change
NIQ4: Dorse																	
							able see r life	king he	lp from	one or i	nore ad	lults bes	sides the	ir 85.6	No linear change	Not available	No change
QN85: Percei	ntage	an im	udents	t question	on affect	ing their	r life				85.1	84.6	84.2	85.6	No linear change	Not available	No change
QN85: Perceivarents if they  QN85: Perceivad (during the	ntage	an im	udents	t question	on affect	ing their	r life				85.1	84.6	84.2	85.6	No linear change  No linear change	Not available  Not available	No change
QN85: Perce	ntage ne 12 i	of stumonth	udents hs befo	who tall	xed to a	teacher	or other	adult in	their sc	chool ab	85.1 out a po	84.6 ersonal 34.0	84.2 problem 29.9	85.6 1 they 31.8			

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

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

Male njury an	d Viole	ence		н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN6: Pobicycle)		ge of stu	idents w	ho rarel	y or nev	ver wore	a bicyc	le helm	et (amo	ng stude	ents who	o had rio	dden a	•			
											73.9	77.1	75.0	67.8	No linear change	Not available <sup>§</sup>	Decreased
QN7: Postudents							a helm	et when	rollerbl	ading o	r skateb	oarding	g (among	3			
											77.9	73.6	73.4	70.0	No linear change	Not available	No change
QN8: P	ercenta	ge of stu	idents w	ho rarel	y or nev	ver wore	a seat b	pelt (wh	en ridin	g in a ca	ar)		-		<del> </del>		
											5.9	5.1	3.8	4.5	No linear change	Not available	No change
QN9: P	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)					
											23.3	22.5	21.0	18.7	No linear change	Not available	No change

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

Not enough years of data to calculate.

# **Maryland Middle School Survey Cecil County Trend Analysis Report**

Male

Injury and Violence											
Health Ris	k Behavior and	d Perce	ntages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991 1993 1995 1997 1999 2001	2003 2005	2007	2009	2011	2013	2014	2016	2018			
QN10: Percentage of students who ever carried	a weapon (such	n as a gu	ın, knife	e, or clu	ıb)	,					
					52.6	53.5	57.9	47.0	No linear change	Not available§	Decreased
QN11: Percentage of students who were ever in	a physical figh	it					•				
					57.6	57.3	56.4	52.6	No linear change	Not available	No change
QN14: Percentage of students who ever serious	y thought abou	t killing	themse	elves			•		,		
					12.1	12.6	14.3	15.6	No linear change	Not available	No change
QN15: Percentage of students who ever made a	plan about how	they w	ould ki	ll thems	selves						
							10.7	10.9	No linear change	Not available	No change
QN16: Percentage of students who ever tried to	kill themselves	3		-							
							6.0	5.9	No linear change	Not available	No change

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

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

Male Tobacco	Use																
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN17:	Percent	age of st	tudents	who eve	er tried c	igarette	smokin	g (even	one or t	wo puff	fs)						
													11.1	8.5	No linear change	Not available <sup>§</sup>	No change
QN18: puffs)	Percent	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 o	r two			
													5.2	3.1	No linear change	Not available	No change
QN19: survey)	Percent	age of st	tudents	who cur	rently s	moked c	cigarette	s (on at	least 1 d	day duri	ng the	30 days	before t	he			
•											4.2	4.1	2.0	2.0	Decreased, 2013-2018	Not available	No change
QNFRC days be				ents wh	o curren	ntly smo	ked ciga	arettes fi	requentl	y (on 20	) or mo	re days	during t	he 30			
											1.4	0.8	0.6	0.3	No linear change	Not available	No change

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

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

# **Maryland Middle School Survey Cecil County Trend Analysis Report**

Male

				H	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			
QNDAY			ge of st	udents v	vho curi	rently sn	noked ci	garettes	daily (	on all 30	0 days d	luring th	ne 30 da	nys			
											0.9	0.1	0.4	0.1	No linear change	Not available <sup>§</sup>	No change
QN21: 1	Percent	age of st	udents	who eve	er used a	ın electr	onic vap	or prod	uct		,						
												18.2	22.2	23.0	No linear change	Not available	No change
QN22: 1 before th			udents	who cur	rently u	sed an e	lectroni	e vapor	product	(on at 1	least 1 d	ay durii	ng the 3	0 days			1
												11.0	6.6	10.5	No linear change	Not available	No change
QNFRE					o currei	ntly used	l electro	nic vapo	or produ	icts freq	quently (	(on 20 c	or more	days			
												1.4	1.8	3.2	No linear change	Not available	No change

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

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

Male Tobacco	Use			Н	ealth R	isk Beh	avior an	ıd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	•		
QNDAY the 30 d				udents	who cur	rently us	sed elect	ronic va	apor pro	oducts d	aily (on	all 30 d	ays duri	ing 2.3	No linear change	Not available <sup>§</sup>	No change
QN24: dissolva vapor pr	ble toba	cco pro	ducts [si	uch as C	Copenha	gen, Gri	izzly, Sk	coal, or	Camel S					nic			
													2.4	2.0	No linear change	Not available	No change
QN25: during the					rently si	moked c	igars (ci	igars, ci	garillos,	, or little	e cigars,	on at le	ast 1 da	y			
											3.0	4.0	3.3	2.2	No linear change	Not available	No change

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

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

## **Maryland Middle School Survey Cecil 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) 24.2 23.1 23.5 20.7 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) 10.3 10.5 11.2 10.8 No linear change Not available No change QN28: Percentage of students who ever used marijuana No linear change Not available No change 8.5 9.5 7.6 9.1 QN29: Percentage of students who tried marijuana for the first time before age 11 years 2.3 4.2 1.3 2.9 No linear change Not available Increased

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

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

	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			
differen	Percenta tly than done, ar	how a c	loctor to	who eve	r took p to use i	rescript t (count	on pain ng drug	medicii s such a	ne withous codein	out a doone, Vico	ctor's prodin, Ox	escripti xycontir	on or	,			
,			, , , , ,										4.3	6.9	No linear change	Not available <sup>§</sup>	No change
QN31:	Percenta	age of s	tudents	who eve	r used c	ocaine (	any form	n of coo	caine, in	cluding	powde	r, crack	or freel	pase) 2.6	No linear change	Not available	No change
QN32:	Percenta	age of s	tudents	who eve	r used ii				,	_	2.6	1.3	2.5		No linear change	Not available	No change
QN32:	Percenta	age of s	tudents	who eve	r used ii				,	_	2.6	1.3	2.5		No linear change	Not available  Not available	No change
QN32: inhaled	Percenta any pair	age of so	tudents rays to	who eve	r used in	nhalants	(sniffed	l glue, b	preathed	the con	2.6 Itents of 7.1	1.3 spray of 4.8	2.5	2.6			

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

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

# **Maryland Middle School Survey Cecil County Trend Analysis Report**

Male

	Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percenta	nge of st	udents	who eve	r had se	xual int	ercourse	2			•	10.4	7.1	9.9	No linear change	Not available <sup>§</sup>	No change
QN35:	Percenta	nge of st	udents	who had	l sexual	intercou	irse for t	the first	time be	fore age	e 11 yea	rs 3.1	1.9	3.3	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 per	rsons	3.4	2.2	3.0	No linear change	Not available	No change

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

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

	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	ves as sli	ghtly or	r very ov	verweig	ht 26.5	25.1	24.2	27.7	No linear change	Not available <sup>§</sup>	No change
QN39: 1	Percenta	ige of st	tudents	who wei	re trying	g to lose	weight				34.2	34.2	37.6	36.7	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	)		•			
											8.7	8.9	8.3	10.4	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	ıys befo	re the si	urvey)				,
											50.1	58.4	48.1	50.0	No linear change	Not available	No change

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

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

Male Physical A	resical Activity  Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN41: kind of p	physical	activity	that in														
J		3,									56.7	68.2	65.9	63.8	No linear change	Not available <sup>§</sup>	No change
QNPA0 1 day (in during th	n any kii	nd of ph	ysical a	ctivity t													
											6.4	8.8	8.3	11.0	Increased, 2013-2018	Not available	No change
QNPA7 kind of j days bef	physical	activity	that in														-
											35.6	41.3	43.9	40.0	No linear change	Not available	No change

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

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

Male Physical Ac	e sical Activity Health Risk Behavior and Percentages												Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN42: Pe	ercenta	ige of st	tudents	who wa	tched te	levision	3 or mo	ore hour	s per da	y (on ar	n averag	e schoo	l day)	•			
											35.1	32.5	25.2	21.3	Decreased, 2013-2018	Not available <sup>§</sup>	No change
QN43: Per (counting smartphor average so	time s	pent on nputer,	things	such as j	playing	games,	watchin	g videos	s, textin	g, or us	ing soci	al medi	a on the	ir			
											47.3	43.6	43.9	54.2	Increased, 2013-2018	Not available	Increased
QN44: Pe					ended pl	nysical e	ducatio	n (PE) c	classes o	on 1 or i	nore da	ys (in ai	n averag	ge			
											94.0	90.1	86.4	80.2	Decreased, 2013-2018	Not available	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Male **Physical Activity Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 8.4 85.2 81.7 76.6 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) 59.7 63.7 56.7 No linear change Not available Decreased 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) 23.8 15.9 Decreased, 2016-2018 Not available Decreased

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

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

Male Other					141. D	د. ا. ال	•	. J. D	4						Y (1)*	One hat's Chara *	Clares from
				н	eaith K	isk Beh	avior ai	ia 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	_		
QN47:	Percent	age of s	tudents	who hac	l ever be	een told	by a doo	ctor or n	urse tha	it they l	nad asth	ma	:	:			
											24.6	23.6	22.4	20.4	No linear change	Not available <sup>§</sup>	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)	1					
											57.0	59.9	56.5	55.4	No linear change	Not available	No change
QN49: before t			tudents	who des	scribed t	heir gra	des in so	chool as	mostly	A's or I	3's (dur	ing the	12 mon	ths			,
												74.6	71.0	74.1	No linear change	Not available	No change

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

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

/ale ite-Add	ed																
	Health Risk Behavior and Percentages														Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>-</del>		
QN52: driving		age of s	tudents	who hav	ve ever 1	idden in	a car d	riven by	someoi	ne who	was tex	ting wh	ile they	were			
												61.5	62.0	57.1	No linear change	Not available <sup>§</sup>	No change
QN54:											eks in a	row so	that the	y			
											12.8	17.3	18.9	19.2	Increased, 2013-2018	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)	•				
											4.4	3.2	2.1	1.3	Decreased, 2013-2018	Not available	No change
QN62: little cig				who thi	nk they	definitel	y or pro	bably w	ill smol	ke a ciga	arette, c	igar, cig	garillo, o	or	,		
													7.2	6.6	No linear change	Not available	No change

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

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

Male Site-Addo	ed														**		
				Н	ealth R	isk Beh	avior ar	id Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN63: flavored survey)														,			
• /											2.8	3.3	3.1	1.1	Decreased, 2013-2018	Not available <sup>§</sup>	Decreased
QN64: the surv		age of s	tudents	who trie	d or use	ed tobace	co produ	icts for	the first	time (d	uring th	e 12 mc	onths be	fore			
												5.7	4.8	3.0	Decreased, 2014-2018	Not available	No change
QN66:	Percent	age of s	tudents	who live	e with so	omeone	who no	w smok	es cigar	ettes or	cigars	<del></del>					
											51.0	48.4	46.8	44.3	No linear change	Not available	No change
QN67:									le their	home is	that sm	oking is	s not allo	owed			
													79.3	80.3	No linear change	Not available	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Male Site-Added **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 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) 28.5 23.0 Decreased, 2016-2018 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) 12.2 10.7 Decreased, 2013-2018 Not available No change QN70: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) 6.7 8.6 6.2 5.4 No linear change Not available No change QN71: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey) 4.3 6.8 2.9 4.5 No linear change Not available No change

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

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Male Site-Added **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 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) 69.9 72.0 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 89.0 83.9 82.0 Decreased, 2013-2018 Not available No change QN74: Percentage of students who participate in extracurricular activities at school (such as sports, band, drama, clubs, or student government) 58.2 50.0 51.9 52.9 No linear change Not available No change

22.1 19.5

18.8

22.6

No linear change

Not available

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

friends

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

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Site-Added **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN78: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in 14.7 12.3 9.9 13.8 No linear change Not available§ No change

75.6 78.3

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

QN79: Percentage of students who somewhat or strongly disapprove of someone their age having one or two

88.1 85.6 86.3 88.7 No linear change Not available No change

Not available

No linear change

Male

drinks of an alcoholic beverage nearly every day

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

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Male Site-Added **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 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 65.7 66.9 70.3 68.9 No linear change Not available§ No change QN82: 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 77.3 73.7 79.4 73.9 No linear change Not available No change QN83: Percentage of students who have an adult outside of school they can talk to about things that are important to them 87.9 91.4 91.1 89.1 No linear change Not available No change QN84: Percentage of students who would feel comfortable seeking help from one or more adults besides their

84.8

85.7

83.6 85.6

No linear change

Not available

parents if they had an important question affecting their life

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

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

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

				Н	ealth R	isk Beha	avior an	nd Perco	entages	\$					Linear Change*	Quadratic Change*	Change fron 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	problen	n they			
-		age of st 12 mont				teacher	or other	adult in	their so		•	rsonal 30.3	problen 26.6	28.0	No linear change	Not available <sup>§</sup>	No change
nad (dur	ing the	12 mont	ths before	re the su	irvey)						26.3	30.3	26.6	28.0	No linear change	Not available <sup>§</sup>	No change
ad (dur )N86:	ing the	12 mont	ths before	re the su	irvey)						26.3	30.3	26.6	28.0	No linear change	Not available <sup>§</sup>	No chang

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

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

Female Injury an	d Viole	ence															
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN6: Policycle)		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				
											72.6	68.9	71.6	66.3	No linear change	Not available <sup>§</sup>	No change
QN7: Postudents							a helm	et when	rollerbl	ading o	r skateb	oarding	(among	g			
											76.9	72.0	70.7	74.8	No linear change	Not available	No change
QN8: P	ercenta	ge of stu	idents w	ho rarel	y or nev	ver wore	a seat b	pelt (wh	en ridin	g in a ca	ar)						-
											4.8	4.5	3.6	2.1	Decreased, 2013-2018	Not available	No change
QN9: P	ercenta	ge of stu	ıdents w	ho ever	rode w	ith a driv	ver who	had bee	en drink	ing alco	hol (in	a car)					
											25.4	24.5	26.6	20.4	No linear change	Not available	Decreased

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

Female

Injury and	d Viole	ence		Н	ealth R	isk Beh	avior ar	nd Perco	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN10: Po	ercenta	age of s	tudents	who eve	er carrie	d a wear	oon (suc	h as a g	un, knif	e, or clu	ub) 23.2	22.3	25.0	19.7	No linear change	Not available <sup>§</sup>	No change
QN11: Po	Percenta	age of s	tudents	who we	re ever i	in a phys	sical fig	ht		,	31.2	33.5	34.0	28.7	No linear change	Not available	No change
QN14: Po	ercenta	age of s	tudents	who eve	er seriou	sly thou	ght abo	ut killin	g thems	elves	20.8	20.8	25.5	25.6	Increased, 2013-2018	Not available	No change
QN15: Po	Percenta	age of s	tudents	who eve	er made	a plan a	bout ho	w they v	would ki	ill them	selves		15.3	15.3	No linear change	Not available	No change
QN16: Po	ercenta	age of s	tudents	who eve	er tried t	o kill th	emselve	S	,				8.2	9.2	No linear change	Not available	No change

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

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

Female Fobacco	Use																
				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN17:	Percent	age of st	tudents	who eve	er tried c	eigarette	smokin	g (even	one or t	wo puff	rs)		•				
													8.9	8.8	No linear change	Not available§	No change
QN18: puffs)	Percent	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	r two			
													3.9	3.5	No linear change	Not available	No change
QN19: survey)	Percent	age of st	tudents	who cur	rently s	moked c	cigarette	s (on at	least 1 c	lay duri	ng the	30 days	before t	he			
•											6.4	3.2	2.8	2.2	Decreased, 2013-2018	Not available	No change
QNFRC days bet				ents wh	o curren	ntly smo	ked ciga	arettes fi	requentl	y (on 20	or mo	re days	during t	he 30			
											1.1	0.4	0.3	0.2	No linear change	Not available	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

**Tobacco Use Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) 0.9 0.4 0.3 0.2 No linear change Not available§ No change QN21: Percentage of students who ever used an electronic vapor product 18.1 19.6 25.5 Increased, 2014-2018 Not available No change

.....

9.6

0.6

6.5 11.4

1.1

1.5

No linear change

No linear change

Not available

Not available

QN22: Percentage of students who currently used an electronic vapor product (on at least 1 day during the 30 days

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

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

Based on t-test analysis, p < 0.05.

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

Female Fobacco	Use			Н	ealth R	isk Beh	avior ar	nd Perc	entages	ı					Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QNDAY the 30 d				tudents	who cur	rently u	sed elect	tronic v	apor pro	oducts d	aily (on	all 30 c	ays dur	ing	:		
the 50 d	ays oci	re the s	ui vey)									0.4	0.8	0.4	No linear change	Not available <sup>§</sup>	No change
QN24: dissolva vapor pr	ble toba	icco pro	ducts [s	uch as C	Copenha	gen, Gr	izzly, Sk	coal, or	Camel S					nic			
													0.7	1.3	No linear change	Not available	No change
QN25: during the					rently s	moked o	igars (c	igars, ci	garillos	, or little	e cigars,	on at le	east 1 da	y			
											2.6	2.2	3.4	1.1	No linear change	Not available	Decreased

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

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

Female Alcohol a	and Oth	er Drug	g Use	Н	ealth R	isk Beh	avior ar	ıd Perce	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26:	Percenta	age of si	tudents	who eve	r drank	alcohol	(other the	han a fe	w sips)		21.7	17.7	20.5	17.0	No linear change	Not available <sup>§</sup>	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	)	,		
											8.0	7.0	9.1	8.3	No linear change	Not available	No change
QN28:	Percenta	age of st	tudents	who eve	r used r	marijuan	ia				7.9	7.1	7.1	6.8	No linear change	Not available	No change
QN29:	Percenta	age of st	tudents	who trie	d mariji	uana for	the first	time be	efore age	e 11 yea	ars 1.7	2.1	1.8	2.1	No linear change	Not available	No change

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

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

Female Alcohol	and Oth	er Druş	g Use	н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from
1001	1002	400=	400=				,				2012	2011	2016	****	_	Quius in coming	2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
differer	Percent tly than odone, a	how a c	loctor to														
			,										5.9	4.4	No linear change	Not available <sup>§</sup>	No change
QN31:	Percent	age of s	tudents v	who eve	er used c	cocaine (	any fori	m of coo	caine, in	cluding	powde	r, crack	or free	base)			
											1.9	2.8	2.4	1.1	No linear change	Not available	No change
	Percent any pair					nhalants	(sniffed	d glue, b	reathed	the con	itents of	f spray o	cans, or				
											7.5	6.2	6.4	3.8	Decreased, 2013-2018	Not available	No change
QN33:	Percent	age of s	tudents v	who eve	er took s	steroids v	without	a doctor	's presci	ription (	pills or	shots)					

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

Female

Sexual B	ehavior	s		Н	ealth R	isk Beha	avior an	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34:	Percent	age of st	tudents v	who eve	er had se	exual int	ercourse	•				3.0	2.3	3.9	No linear change	Not available <sup>§</sup>	No change
QN35:	Percent	age of s	udents	who had	l sexual	intercou	irse for t	he first	time be	fore age	e 11 yea	0.5	0.3	1.3	No linear change	Not available	No change
QN36:	Percent	age of st	udents	who eve	er had se	exual int	ercourse	with th	nree or r	nore per	rsons	0.7	0.4	1.0	No linear change	Not available	No change

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

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

Weight M	ianagei	nent an	iu Dieta			isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN38:	Percenta	age of st	tudents	who des	cribed t	hemselv	es as sli	ightly or	very ov	verweig	ght 30.4	28.5	26.3	28.2	No linear change	Not available <sup>§</sup>	No change
QN39:	Percenta	age of st	tudents	who we	re trying	g to lose	weight	,	,		54.1	52.0	48.9	50.5	No linear change	Not available	No change
QN40:	Percenta	age of st	tudents	who did	not eat	breakfa	st (durin	ig the 7	days be	fore the	survey	)	•				,
											10.1	9.1	12.7	18.3	Increased, 2013-2018	Not available	Increased
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 s	urvey)				
											36.5	46.5	36.3	35.8	Decreased, 2013-2018	Not available	No change

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

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

Female Physical	Activity			Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from
																	2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN41: kind of j	physical	activity	that in														
·											47.9	61.7	60.1	62.6	Increased, 2013-2018	Not available <sup>§</sup>	No change
QNPA0 1 day (in during t	n any ki	nd of ph	ysical a	activity t													
											8.9	6.9	11.2	9.3	No linear change	Not available	No change
QNPA7 kind of j	physical	activity	that in														
											22.2	32.6	29.0	34.8	Increased, 2013-2018	Not available	No change

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

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

Female Physical A	Activity	,		Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	5 2018	3		
QN42: P	Percenta	age of st	tudents	who wat	tched te	levision	3 or mo	ore hour	s per da	y (on ar	n averag	e schoo	l day)	•			
											35.1	31.2	26.8	24.4	Decreased, 2013-2018	Not available§	No change
QN43: P (counting smartpho average s	g time s one, cor	spent on nputer,	things	such as p	playing	games,	watchin	g videos	s, textin	g, or us	ing soci	al medi	a on the	ir			
											37.3	38.7	39.4	41.6	No linear change	Not available	No change
QN44: P					ended pl	nysical e	education	n (PE) c	lasses o	on 1 or r	nore da	ys (in aı	ı averaş	ge			
	·										94.7	90.8	83.9	81.0	Decreased, 2013-2018	Not available	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

**Female Physical Activity Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 6.1 87.1 80.3 78.2 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) 58.6 60.2 56.5 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) 17.2 14.9 No linear change Not available No change

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

Not enough years of data to calculate.

Female Other																	
				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	5 2018	-		
QN47: 1	Percenta	ige of st	tudents v	who had	l ever be	en told	by a do	ctor or n	urse tha	at they h	nad asth	ma					
											20.6	20.7	21.5	18.5	No linear change	Not available <sup>§</sup>	No change
QN48: 1	Percenta	ige of st	tudents v	who got	8 or mo	ore hour	s of slee	p (on ar	n averag	e schoo	ol night)						
											53.2	58.6	54.7	54.4	No linear change	Not available	No change
QN49: 1 before th			tudents v	who des	cribed t	heir grad	des in so	chool as	mostly	A's or I	3's (dur	ing the	12 mon	ths	,		
		,										83.8	79.3	78.2	No linear change	Not available	No change

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

emale lite-Addo	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	_		
QN52: driving t		age of s	tudents	who hav	ve ever 1	ridden in	a car d	riven by	someo	ne who	was tex	ting wh	ile they	were			
												69.1	74.6	64.9	No linear change	Not available§	Decreased
QN54:											eks in a	row so	that the	y			-,
											31.3	27.3	33.7	32.7	No linear change	Not available	No change
QN55: 1	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)	•				
											3.0	2.1	1.4	1.7	No linear change	Not available	No change
QN62:				who thi	nk they	definitel	y or pro	bably w	ill smol	ke a ciga	arette, c	igar, cig	garillo, o	or			;
													9.2	5.1	Decreased, 2016-2018	Not available	Decreased

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

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

te-Addo	cu			H	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
						ed tobac not coun								,			
37											3.7	2.9	2.5	1.1	Decreased, 2013-2018	Not available§	No change
QN64:		age of s	tudents	who trie	d or use	ed tobaco	co produ	icts for	the first	time (di	uring the	e 12 mo	nths bet	fore			+
												3.4	4.3	2.7	No linear change	Not available	No change
QN66:	Percent	age of s	tudents	who live	with so	omeone	who no	w smok	es cigare	ettes or	cigars	:	:		,		
											49.5	47.5	41.6	39.9	Decreased, 2013-2018	Not available	No change
						rule abou			le their l	nome is	that sm	oking is	not allo	owed			

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

months before the survey) 3.9 4.2 3.3 4.5 Not available No change No linear change

5.2

6.4

5.5

No linear change

Not available

7.6

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

Female

survey)

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

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

Female Site-Addo	e <b>d</b>																
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN72: during the						ist (for a	check-ı	up, exan	n, teeth	cleaning	g, or oth	ner dent	al work	,			
													71.6	79.8	Increased, 2016-2018	Not available <sup>§</sup>	Increased
QN73: school y		age of st	tudents	who we	re taugh	t in thei	r classes	s about t	he dang	ers of to	obacco	use (dui	ring the	last			
											87.4	87.3	83.6	82.4	Decreased, 2013-2018	Not available	No change
QN74: clubs, or				who par	ticipate	in extra	curricul	ar activi	ties at so	chool (s	such as	sports, b	and, dr	ama,			
											65.4	64.0	59.5	62.8	No linear change	Not available	No change
QN77: friends	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			
											22.5	21.3	19.3	23.2	No linear change	Not available	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

**Female** Site-Added **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN78: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in 13.0 10.9 7.4 15.2 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 81.4 83.7 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

89.3 88.9

88.8 89.5

No linear change

Not available

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

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

				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		
						le are at f alcoho							(physic	ally or			
											71.4	68.2	74.8	72.5	No linear change	Not available§	No change
						le are at inks of a								ally			,
														ally 80.0	No linear change	Not available	No change
and in o	ther way	ys) if the	ey have	five or i	more dri		alcohol (	(beer, w	ine, or l	iquor) o	80.8	78.5	week 82.0	80.0	No linear change	Not available	No change
and in o	ther way	ys) if the	ey have	five or i	more dri	inks of a	alcohol (	(beer, w	ine, or l	iquor) o	80.8	78.5	week 82.0	80.0	No linear change  Decreased, 2013-2018	Not available Not available	No change
QN83: to them	Percenta	age of si	tudents tudents	who hav	we an adv	inks of a	de of sc	hool the	ine, or l	iquor) o	80.8 out thir	78.5  ngs that  90.0	82.0 are imp	80.0 ortant 84.9			

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

Famala

				Н	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
	-	:					-		-		-	-		-			
_		_				teacher (	or other	adult in	their so	chool ab	out a pe	ersonal	problen	n they			
_		age of st 12 mont				teacher (	or other	adult in	their so	chool ab	out a pe	ersonal	problen	n they			
11	ring the	12 mont	ths before	re the su	rvey)	ree or ag					33.3	38.0	33.1	35.8	No linear change	Not available <sup>§</sup>	No

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

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

White* Injury a	nd Viol	ence		H	Health R	Risk Bel	navior a	and Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from
																	2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN6: P	_	ge of stu	dents w	ho rarel	y or nev	er wore	a bicyc	le helm	et (amo	ng stude	ents who	had rio	lden a		,		
bicycle)											71.2	72.7	72.0	65.0	Decreased, 2013-2018	Not available¶	Decrease
QN7: P students							a helm	et when	rollerbl	ading o	r skateb	oarding	(among	3			
											75.3	71.4	71.1	71.6	No linear change	Not available	No chang
QN8: P	ercentag	ge of stu	dents w	ho rarel	ly or nev	er wore	a seat b	oelt (wh	en ridin	g in a ca	ar)						,
					•			`			4.3	4.0	2.7	2.5	Decreased, 2013-2018	Not available	No chang
-																	
QN9: P	ercentag	ge of stu	dents w	ho ever	rode wi	ith a dri	ver who	had bee	en drink	ing alco	hol (in	a car)					

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

White\*

				I	Health I	Risk Bel	navior a	nd Per	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN10:	Percent	age of s	tudents	who eve	er carrie	d a wear	oon (suc	h as a g	un, knif	e, or clu	ub) 40.1	40.8	43.0	35.0	No linear change	Not available <sup>¶</sup>	Decreased
QN11:	Percent	age of s	tudents	who we	re ever i	in a phys	sical figl	nt			41.9	44.1	41.3	37.5	Decreased, 2013-2018	Not available	No change
QN14:	Percent	age of s	tudents	who eve	er seriou	ısly thou	ght abou	ut killin	g thems	elves	16.3	15.6	19.9	20.2	Increased, 2013-2018	Not available	No change
QN15:	Percent	age of s	tudents	who eve	er made	a plan a	bout hov	w they v	would ki	ll thems	selves		13.7	12.7	No linear change	Not available	No change
QN16:	Percent	age of s	tudents	who eve	er tried t	to kill the	emselve	S	,				6.6	7.2	No linear change	Not available	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

**Tobacco Use Health Risk Behavior and Percentages** Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs) 9.5 8.3 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) 4.2 3.0 No linear change Not available No change

5.4

1.5

3.4

0.6

2.8

0.5

2.0

0.3

Decreased, 2013-2018

Decreased, 2013-2018

Not available

Not available

\*Non-Hispanic.

survey)

White\*

QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the

QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30

days before the survey)

No change

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

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

Not enough years of data to calculate.

# Maryland Middle School Survey Cecil County Trend Analysis Report

White\* **Tobacco Use Health Risk Behavior and Percentages** Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) 0.1 0.5 0.1 No linear change Not available ¶ No change 1.1 QN21: Percentage of students who ever used an electronic vapor product 17.2 21.1 23.8 Increased, 2014-2018 Not available No change QN22: Percentage of students who currently used an electronic vapor product (on at least 1 day during the 30 days before the survey) 10.2 6.6 10.8 No linear change Not available Increased QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 0.9 No linear change Not available No change 1.6 2.5

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

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

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

Not enough years of data to calculate.

Vhite* Tobacco U	J <b>se</b>																
				H	Iealth R	Risk Bel	navior a	nd Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991 1	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNDAYE				udents v	who curi	rently us	sed elect	tronic v	apor pro	oducts d	aily (on	all 30 c	ays dur	ing			
			; ,									0.8	0.9	1.5	No linear change	Not available¶	No chang
QN24: Pe dissolvable vapor prod	le tobac	cco proc	lucts [st	ich as C	Copenha	gen, Gri	izzly, Sk	coal, or	Camel S					nic			
													1.8	1.5	No linear change	Not available	No chang
QN25: Pe					rently si	moked c	cigars (c	igars, ci	garillos	, or little	e cigars,	on at le	ast 1 da	ıy	,		

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

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

White* Alcohol a	and Otl	her Dru	ıg Use	τ	Ioolth I	Digle Dol	noviou o	nd Done	onto go	g					Linear Change <sup>†</sup>	Quadratia Changa	Change from
				Ι	ieaiui r	Risk Bel	iavior a	nu rero	entage	S					Linear Change	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN26: 1	Percenta	age of st	tudents	who eve	r drank	alcohol	(other the	han a fe	w sips)				<del>.</del>				
											22.2	20.8	22.2	18.2	No linear change	Not available¶	No change
QN27: 1	Percenta	age of st	tudents	who dra	nk alcol	hol for t	he first t	ime bef	ore age	11 year	rs (other	than a f	few sips	)			
											9.5	8.2	10.4	8.9	No linear change	Not available	No change
QN28: 1	Percenta	age of st	tudents	who eve	er used r	narijuan	a										
											7.6	7.9	7.2	7.6	No linear change	Not available	No change
QN29: 1	Percenta	age of st	tudents	who trie	d mariji	uana for	the first	time be	efore ag	e 11 yea		•		•			
											1.7	3.2	1.4	2.0	No linear change	Not available	No chang

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

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

Vhite* Alcohol	and Oth	her Dru	g Use	H	Iealth R	Risk Bel	navior a	nd Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
differen		how a d	octor to	who eve													
iyuroco	done, ai	ild i eicc	icei)										4.2	5.4	No linear change	Not available¶	No chang
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	pase)			,
											1.6	1.2	2.1	0.8	No linear change	Not available	Decrease
				who eve		nhalants	(sniffed	d glue, ł	oreathed	the con	itents of	spray c	ans, or		,		
											6.7	5.0	6.8	4.0	No linear change	Not available	Decrease
 ON33:	Percenta	age of st	udents	who eve	r took s	teroids v	without	a docto	r's presc	ription (	pills or	shots)			,		1

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

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

				Н	lealth R	isk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN34: 1	Percenta	ige of st	tudents v	who eve	r had se	xual inte	ercourse	;		•	•	•	•				
												4.8	4.3	5.5	No linear change	Not available <sup>¶</sup>	No change
QN35: 1	Percenta	ige of st	tudents v	who had	sexual				time be	fore age	e 11 yea		4.3	5.5	No linear change	Not available¶	No change
QN35: 1	Percenta	ige of st	tudents v	who had	sexual i				time be	fore age	e 11 yea		0.8	1.8	No linear change	Not available  Not available	No change

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

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

				H	Iealth R	disk Beh	navior a	nd Pero	centages	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN38:	Percenta	ge of st	udents v	who des	cribed tl	hemselv	es as sli	ghtly or	very ov	erweig	ht						
											28.8	27.6	26.6	29.3	No linear change	Not available¶	No change
QN39:	Percenta	ge of st	udents	who wei	re trying	to lose	weight										
											43.2	43.6	44.0	43.3	No linear change	Not available	No change
QN40:	Percenta	ge of st	udents v	who did	not eat	breakfas	st (durin	g the 7	days bet	fore the	survey	)					
											8.4	8.7	10.4	15.1	Increased, 2013-2018	Not available	Increased
QNBK7	DAY: I	Percenta	ge of st	udents v	who ate	breakfas	st on all	7 days	(during	the 7 da	ays befo	re the si	ırvey)				,
											44.4	53.4	42.8	45.2	No linear change	Not available	No chang

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

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

White* Physical	Activity	y		H	Iealth R	Risk Beh	navior a	nd Per	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<del>-</del>		
QN41: I kind of p days bef	physical	activity															
		,									53.5	65.3	64.9	65.5	Increased, 2013-2018	Not available¶	No change
QNPA01 1 day (in during th	ı any kiı	nd of ph	ysical a	ctivity t													,
											6.8	7.3	9.0	8.4	No linear change	Not available	No change
QNPA71 kind of p days bef	physical	activity															
															Increased, 2013-2018	Not available	

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

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

hysical A	Activity	y		H	lealth R	isk Beh	avior a	nd Perc	entage:	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN42: P	ercenta	ige of st	udents v	who wat	ched tel	evision	3 or mo	re hours	per da	y (on an	averag	ge schoo	l day)				
											33.7	31.0	24.1	20.8	Decreased, 2013-2018	Not available¶	No chang
counting martpho	time s ne, con	pent on nputer, ?	things s	such as p	olaying g	games, v	vatching	g videos	, texting	g, or usi	ng soci	al medi	a on the	ir	Increased, 2013-2018	Not available	No chan
QN43: P counting martpho everage s QN44: P week who	g time sone, con school d	pent on nputer, had a lay)	things s Xbox, P	such as playStati	olaying gon, iPad	games, v	watching er tablet	g videos for son	, texting	g, or usi that wa	ng soci s not so 41.2	al medi chool wo	a on the ork, on a	an 48.4	Increased, 2013-2018	Not available	No chai

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

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

## Maryland Middle School Survey Cecil County Trend Analysis Report

White\* **Physical Activity Health Risk Behavior and Percentages** Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) 6.6 86.6 83.1 78.4 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) 60.0 62.8 57.9 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) 14.2 Decreased, 2016-2018 Not available Decreased 18.9

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

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

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

Not enough years of data to calculate.

## Maryland Middle School Survey Cecil County Trend Analysis Report

White\* Other **Health Risk Behavior and Percentages** Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2016-2018 § 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma 20.6 17.8 Decreased, 2013-2018 Not available ¶ No change 21.8 21.6 QN48: Percentage of students who got 8 or more hours of sleep (on an average school night) 56.4 58.6 56.6 56.9 No linear change Not available No change

76.3 77.3

81.7

No linear change

Not available

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

before the survey)

No change

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

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

Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

## Maryland Middle School Survey Cecil County Trend Analysis Report

White\*
Site-Added

Health Risk Behavior and Percentages

Linear Change $^{\dagger}$  Quadratic Change $^{\dagger}$  Change from 2016-2018  $^{\$}$ 

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

QN52: Percentage of students who have ever ridden in a car driven by someone who was texting while they were driving the car

69.1 70.4 62.3 Decreased, 2014-2018

Not available¶

Decreased

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)

22.3 21.4 25.7 25.6 Increased, 2013-2018

Not available

No change

QN55: Percentage of students who smoked a whole cigarette before age 11 years (for the first time)

3.0 1.9

1.7

1.0 Decreased, 2013-2018

Not available

No change

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

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

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

Not enough years of data to calculate.

				Н	ealth Ri	isk Beh	avior a	nd Perc	centages	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QN59: P											flavor	with an	electror	nic			
													97.0	99.3	No linear change	Not available¶	No change
QN62: P				vho thin	k they d	efinitely	y or prol	bably w	ill smok	ke a ciga	arette, c	igar, ci	garillo,	or			
				vho thin	k they d	efinitely	y or prol	bably w	ill smok	ke a ciga	arette, c	igar, ciį	garillo, 6	or 5.0	No linear change	Not available	No change
QN63: P	r in the	next ye	ar udents v	vho used	l flavore	ed tobac	co prod	ucts (fla		eigars, c	igarillo	s, or litt	8.0	5.0 s,	No linear change	Not available	No change
QN62: P little ciga QN63: P flavored s survey)	r in the	next ye	ar udents v	vho used	l flavore	ed tobac	co prod	ucts (fla		eigars, c	igarillo	s, or litt	8.0	5.0 s,	No linear change  Decreased, 2013-2018	Not available  Not available	No change
QN63: P	r in the	ge of st	ar udents v	vho used lucts, or	l flavore both, no	ed tobac ot count	co prod	ucts (fla	vored c garettes,	eigars, c , during	rigarillo the 30	s, or litt days be	8.0 le cigar fore the 2.8	5.0 s,			

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

				H	lealth R	Risk Beh	avior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN66:	Percenta	nge of st	udents v	who live	with so	omeone	who nov	w smoke	es cigare	ettes or	cigars 50.6	48.0	44.4	41.1	Decreased, 2013-2018	Not available <sup>¶</sup>	No change
						rule abou s, garago			le their	home is	that sm	oking i	s not allo	owed			
													80.5	80.5	No linear change	Not available	No chang
	Percenta				e in the	same ro	oom with	n someo	one who	was sn	noking (	on at le			No linear change	Not available	No change
					re in the	same ro	oom witl	ı somec	one who	was sn	noking (	on at le			No linear change  No linear change	Not available  Not available	No chang

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

				H	ealth R	isk Beh	avior aı	nd Perc	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QN70: survey)	Percenta	age of st	udents v	vho curi	ently us	sed mari	juana (o	ne or m	ore tim	es durin	g the 30	) days b	efore th	e			
											6.4	5.9	6.0	4.4	No linear change	Not available <sup>¶</sup>	No change
		nge of st		who wer	e offere	d, sold,	or given	an ille	gal drug	on scho	ool prop	perty (di	uring the	e 12			
											3.7	5.0	2.9	3.9	No linear change	Not available	No change
N72:		age of st				st (for a	check-u	p, exan	n, teeth	cleaning	g, or oth	er denta	ıl work,				
													72.5	78.4	Increased, 2016-2018	Not available	Increased
uring t		age of st	udents v	who wer	e taugh	in their	classes	about th	he dang	ers of to	bacco ı	ıse (dur			Increased, 2016-2018	Not available	Increased

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

				H	lealth F	Risk Bel	navior a	nd Pero	centage	s					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	•		
QN74: 1 clubs, or				who par	ticipate	in extra	curricula	ar activi	ties at s	chool (s	such as	sports, l	oand, di	rama,			
											62.1	59.0	55.1	58.1	No linear change	Not available¶	No change
QN77: I	Percenta	ige of s	udents	who say	definite	ely yes o	or probal	oly yes	that you	ng peop	ole who	smoke	have m	ore			
											20.0	18.7	17.6	21.0	No linear change	Not available	No change
N78: I	Percenta	ige of s	udents	who say	definite	ely yes o	or probal	oly yes	that smo	oking m	akes yo	ung peo	ple loo	k cool			
											12.0	10.5	7.5	12.9	No linear change	Not available	Increased
QN79: I	Percenta f an alco	nge of so	udents v	who son	newhat	or strong	gly disar	prove o	of some	one thei	r age ha	aving or	ne or tw	0			
				J	-	-							79.1	82.3	No linear change	Not available	No change

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

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

			Н	ealth R	isk Beh	avior a	nd Pero	centages	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
N80: Percenta hem to drink be													for			
ion to drink be	, will	, or marc	r iiquoi	(Such a	y vounu,	, willoke	,, or gr	i) at iou	onec	88.2	87.4		89.7	No linear change	Not available¶	No chang
QN81: Percentan other ways) if												(physica	ally or			,
										69.7	67.6	73.6	72.5	No linear change	Not available	No chan

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

				H	lealth R	Risk Beh	navior a	nd Pero	centage	S					Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2016-2018 §
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN83: 1 to them	Percenta	nge of st	udents v	vho hav	e an adı	ult outsi	de of scl	hool the	y can ta	lk to ab	out thir	ngs that	are imp	ortant			
											88.6	91.3	89.5	88.2	No linear change	Not available¶	No change
						comfort		king he	lp from	one or	more ac	lults be	sides the	eir			
											85.5	85.7	85.3	86.3	No linear change	Not available	No change
	Percenta ing the					teacher	or other	adult in	their so	chool ab	out a p	ersonal	problen	n they			
											29.3	33.7	28.4	31.7	No linear change	Not available	No change
												-4.41	1 .:		·		·
	Percenta encourag		udents v	vho stro	ngly ag	ree or ag	gree that	t their te	eachers	really ca	are abou	it tnem	and giv	e tnem			

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

Hispanic

				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			
QN8: P	ercentag	ge of stu	idents w	ho rarel	y or nev	er wore	a seat b	elt (who	en riding	g in a ca	ar)		:				
											12.2	5.4	4.6	8.6	No linear change	Not available§	No change
		-															,
QN9: P	'ercentag	ge of stu	idents w	ho ever	rode wi	th a driv	ver who	had bee	en drinki	ng alco	hol (in a	23.4	26.6	22.2	No linear change	Not available	No change
			idents w			,		,			25.8 1b)	23.4					
						,		,			25.8			22.2	No linear change	Not available  Not available	No change
QN10: 1	Percenta	age of si		who eve	r carried	l a weap	oon (suc	h as a g			25.8 1b)	23.4					

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

Hispanic **Injury and Violence** Linear Change\* **Health Risk Behavior and Percentages** Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018 QN14: Percentage of students who ever seriously thought about killing themselves 17.7 24.1 No linear change Not available§ No change QN15: Percentage of students who ever made a plan about how they would kill themselves 11.6 15.0 No linear change Not available No change QN16: Percentage of students who ever tried to kill themselves Not available No change 11.2 10.8 No linear change

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

Hispanic Fobacco																	
				Н	ealth Ri	isk Beh	avior ar	nd Perc	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN17:	Percent	age of s	tudents	who eve	er tried c	igarette	smokin	g (even	one or t	wo pufi	rs)		11.7	18.6	No linear change	Not available <sup>§</sup>	No change
QN18: puffs)	Percent	age of s	tudents	who trie	d cigare	ette smo	king for	the first	t time be	efore ag	e 11 yea	ars (evei	n one or	7.5	No linear change	Not available	No change
QN19: survey)	Percent	age of s	tudents	who cur	rently si	moked c	igarette	s (on at	least 1 o	lay duri	ng the 3	30 days 1	before t	he 7.3	No linear change	Not available	No change
QNFRC days bet				ents wh	o curren	itly smo	ked ciga	rettes fi	equentl	y (on 20	) or mor	e days o	during t	he 30 0.7	No linear change	Not available	No change

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

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

Hispanic Fobacco				Н	ealth R	isk Beh	avior ar	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	3		
QNDAY before th			ge of st	udents v	vho curi	ently sn	noked ci	garettes	daily (	on all 30	0 days d	uring th	e 30 da	ys			
													0.0	0.7	Not available	Not available§	Not available
QN21:	Percenta	age of st	tudents	who eve	er used a	ın electr	onic var	or prod	uct								
													23.5	39.9	Increased, 2016-2018	Not available	Increased
QN22: before the			tudents	who cur	rently u	sed an e	lectroni	c vapor	product	(on at l	least 1 d	ay durin	g the 3	0 days			
													7.8	19.9	No linear change	Not available	Increased
QNFRE during tl					o currei	ntly used	d electro	nic vap	or produ	icts freq	quently (	on 20 or	r more	days			
ading ti	50 de	., 5 0010	io ine st	· • j /									1.1	4.1	No linear change	Not available	No change

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

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

ispanic obacco V	Use			Н	ealth Ri	sk Beh	avior an	ıd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change*	Change fron 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	_		
QNDAY				udents v	vho curr	rently us	sed elect	ronic va	apor pro	ducts d	aily (on	all 30 d	ays duri	ing	+		
ile 30 da	ays bere	ne the s	ui vey)										0.0	2.7	Not available	Not available <sup>§</sup>	Not available
QN24: I dissolval	ble toba	cco pro	ducts [st	ich as C	openhag	gen, Gri	zzly, Sk	oal, or	Camel S					nic			
vapor pr	oducts,	on at lea	ist i day	during	tile 50 C	uays bei	ore the	survey)					1.4	6.1	Increased, 2016-2018	Not available	No change
QN25: 1 during th					rently sr	noked c	igars (ci	gars, ci	garillos	or little	e cigars,	on at le	ast 1 da	ıy			·,
													7.3	5.8	No linear change	Not available	

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

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

Hispanic Alcohol a		er Druş	g Use	Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN28:	Percent	age of s	tudents	who eve	er used r	marijuan	a						9.9	16.5	No linear change	Not available <sup>§</sup>	No change
QN29:	Percent	age of s	tudents	who trie	d mariji	uana for	the firs	t time bo	efore ag	e 11 yea	ars		2.3	6.7	No linear change	Not available	No change
QN30: different hydroco	tly than	how a c	loctor to											10.1	No linear change	Not available	No change
QN31:	Percent	age of s	tudents	who eve	r used c	cocaine (	any for	m of co	caine, in	cluding	powde	r, crack,	or freel	base)			
											6.7	5.0	6.2	4.8	No linear change	Not available	No change

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

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

				H	ealth Ri	isk Beha	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			
			udents v rays to g			nhalants	(sniffed	d glue, b	reathed	the con	ntents of	spray ca	ans, or	:			
						nhalants	(sniffed	d glue, b	preathed	the con	ntents of	spray ca	ans, or	5.7	No linear change	Not available <sup>§</sup>	No change
nhaled a	nny pain	its or sp	rays to g	get high	)						ntents of			5.7	No linear change	Not available <sup>§</sup>	No change

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

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

Hispanic Weight N		ment an	nd Dieta	ry Beh	aviors												
				Н	ealth Ri	isk Beh	avior aı	nd Perc	entages						Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	<u> </u>		
QN38:	Percent	age of s	tudents	who des	cribed t	hemselv	es as sli	ightly o	r very o	verweig	ght	•		•			
											34.8	27.8	29.9	29.7	No linear change	Not available§	No change
QN39:	Percent	age of s	tudents	who we	re trying	to lose	weight										
													51.3	59.7	No linear change	Not available	No change
QN40:	Percent	age of s	tudents	who did	not eat	breakfa	st (durin	ng the 7	days be	fore the	e survey	·)					
													6.5	15.7	Increased, 2016-2018	Not available	Increased
QNBK7	DAY:	Percenta	age of st	tudents	who ate	breakfa	st on all	7 days	(during	the 7 da	ays befo	ore the s	urvey)				
													40.4	31.7	No linear change	Not available	No change

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

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

ispanic hysical	Activity	,		Н	ealth Ri	sk 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	_		
kind of		activity			re physic their hea												
•		•									42.9	68.8	59.6	49.9	No linear change	Not available§	No change
1 day (i		nd of ph	ysical a	ctivity tl	who did i hat incre										Increased, 2013-2018	Not available	No change

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

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

Hispanic Physical A	etivity	,		Н	ealth R	isk Beh	avior aı	nd Perc	entages	š					Linear Change*	Quadratic Change*	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
QN42: P	Percenta	age of st	tudents	who wa	tched te	levision	3 or mo	ore hour	s per da	y (on aı	n averag	e school	l day)				
													26.9	31.0	No linear change	Not available§	No change
QN43: P (counting smartpho average s	g time s one, cor	pent on nputer,	things	such as	playing	games,	watchin	g videos	s, textin	g, or us	ing soci	al media	on the	ir			
C		• ,											39.8	44.9	No linear change	Not available	No change
QN44: P					ended pl	nysical e	ducation	n (PE) c	classes o	on 1 or i	nore da	ys (in an	averag	ge	+		
													78.5	77.5	No linear change	Not available	No change

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

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

Hispanic Physical <i>A</i>	Activity	,															
				Н	ealth Ri	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	-		
QNDLY week wh					no attend	ded phys	sical edu	cation (	PE) cla	sses on	all 5 day	s (in an	averag	ge			
	,			,									75.4	70.4	No linear change	Not available§	No change
QN45: 1									(countin	ng any to	eams rui	n by the	r schoo	ol or			,
													61.8	47.0	No linear change	Not available	Decreased
QN46: I						ussion fi	rom play	ing a sp	ort or b	eing ph	ysically	active (	one or	more			,
													23.2	23.5	No linear change	Not available	No change

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

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

# Maryland Middle School Survey Cecil County Trend Analysis Report

Hispanic Other			Н	ealth Ri	isk Beha	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991 1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
QN47: Percenta	age of st	udents v	who had	l ever be	en told	by a doo	ctor or r	urse tha	it they h	ad asth	ma					
												28.2	27.2	No linear change	Not available§	No change
QN48: Percenta														,		

No linear change

53.3 43.4

Not available

No change

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

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

Hispanic Site-Add																	
				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	_		
QN52: driving		age of s	tudents	who hav	e ever r	idden ir	a car d	riven by	someo	ne who	was tex	ting wh	ile they	were			
C												45.0	59.7	59.7	Increased, 2014-2018	Not available§	No change
				who felt rities, ev							eks in a	row so 38.7	that the	y 34.2	No linear change	Not available	No change
QN55:	Percent	age of s	tudents	who sm	oked a v	vhole ci	garette l	pefore a	ge 11 ye	ears (for	the firs	t time)					-
													3.3	7.1	No linear change	Not available	No change
QN62: little cig				who thin	nk they	definitel	y or pro	bably w	ill smol	ke a ciga	arette, c	igar, ci	garillo, o	or			
													12.3	10.9	No linear change	Not available	No change

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

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

## Maryland Middle School Survey Cecil County Trend Analysis Report

				H	ealth Ri	isk Beh	avior an	d Perce	entages						Linear Change*	Quadratic Change <sup>*</sup>	Change fro 2016-201
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	-		
N63: Po		_						•		_	_			,			
N63: Polavored survey)		_						•		_	_			,			
lavored s		_						•		_	_			3.8	No linear change	Not available <sup>§</sup>	No chan
lavored s	smokel Percenta	ess toba	acco pro	ducts, o	r both, 1	not coun	nting me	nthol cig	garettes,	during	the 30 d	ays bef	3.9	3.8	No linear change	Not available <sup>§</sup>	No chan

54.6 53.2 42.8 45.5

76.0 76.5

No linear change

No linear change

QN67: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed

anywhere inside their home (not counting decks, garages, or porches)

Hispanic

No change

No change

Not available

Not available

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

Hispanic

				Не	ealth Ri	sk Beha	avior an	d Perc	entages	8					Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			
			udents ve the sur		e in the	same ro	om witl	n someo	one who	was sm	oking (	(on at le	ast one	day			
													20.5	25.9	No linear change	Not available§	No change
	Percenta ays befo			who curr	ently di	ank alc	ohol (at	least on	e drink	of alcol	hol, on	at least	1 day d	uring	,		
				who curr	ently di	ank alc	ohol (at	least on	e drink	of alcol	hol, on	at least	1 day d	uring 13.2	No linear change	Not available	No change
ne 30 d	ays befo	ore the s	urvey)							of alcol	16.0	9.7	16.5	13.2	No linear change	Not available	No change
he 30 d	ays befo	ore the s	urvey)								16.0	9.7	16.5	13.2	No linear change	Not available  Not available	No change
QN70: QN71: QN71:	Percenta	age of st	urvey)	who curr	ently us	sed mari	juana (c	one or m	nore tim		16.0 ng the 3	9.7 0 days l 13.7	16.5 pefore the 9.8	13.2 ne 12.4			

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

Hispanic

				Н	ealth Ri	isk Beha	avior an	d Perce	entages						Linear Change*	Quadratic Change*	Change from 2016-2018
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	•		
	Percenta he 12 m					st (for a	check-u	ıp, exam	, teeth	cleaning	g, or oth	er denta	l work,				
													70.5	69.1	No linear change	Not available <sup>§</sup>	No change
QN73: school y	Percenta rear)	ige of st	udents v	who wer	e taugh	t in their	classes	about tl	ne dang	ers of to	bacco u	ıse (duri	ing the	last			
													81.9	82.1	No linear change	Not available	No change
	Percentar r student			vho part	icipate	in extra	curricula	ar activit	ties at s	chool (s	uch as s	ports, b	and, dra	ama,	,		,
													53.4	55.9	No linear change	Not available	No change
			udents v	vho sav	definite	elv ves o	r probal	oly yes t	hat you	ng peop	le who	smoke h	nave mo	ore			:
QN77:	Percenta	ige of si	udents	viio say	001111100		•		•								

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

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

## **Maryland Middle School Survey Cecil County Trend Analysis Report**

Site-Added **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2016-2018 <sup>†</sup> 1991 1993 1995 1997 1999 2005 2007 2009 2011 2013 2014 2016 2018 2001 2003 QN78: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in 14.3 21.7 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 76.2 73.9 No linear change Not available No change

had (during the 12 months before the survey) 33.4 35.1 No linear change Not available No change

87.4

82.3

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

QN85: Percentage of students who talked to a teacher or other adult in their school about a personal problem they

Hispanic

No change

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

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

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

## Maryland Middle School Survey Cecil County Trend Analysis Report

Iispanic ite-Add																	
				Н	ealth R	isk Beh	avior aı	nd Perc	entages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2016-2018 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018			

QN86: Percentage of students who strongly agree or agree that their teachers really care about them and give them a lot of encouragement

66.4 63.0 No linear change Not available§ No change

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

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