				Healt	th Risk	Behavi	or and l	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991 1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN10: Perce	he 30 da																
•																	
pefore the sur	vey)									5.7	5.9	3.9	4.2	2.5	Decreased, 2013-2021	Not available§	No chang

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

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

nts who carried ooting, on at lea	a gun (no	ot counti						2017 only for	2019 huntin	<b>2021</b> g or	-		
								only for	huntin	g or			
								7.3	5.3	5.8	No linear change	Not available§	No change
				ey felt u	ınsafe a	t school	or on t	neir way	y to or f	rom	-		
		·							9.5	9.0	No linear change	Not available	No change
	ring the 30 days	ring the 30 days before the	ring the 30 days before the surve	ring the 30 days before the survey)	ring the 30 days before the survey)  nts who were threatened or injured with a weap	ring the 30 days before the survey)  nts who were threatened or injured with a weapon on s	ring the 30 days before the survey)  nts who were threatened or injured with a weapon on school process.	ring the 30 days before the survey)  nts who were threatened or injured with a weapon on school property	ring the 30 days before the survey)  nts who were threatened or injured with a weapon on school property (such as	nts who were threatened or injured with a weapon on school property (such as a gun,	9.5 9.0 nts who were threatened or injured with a weapon on school property (such as a gun, knife,	nts who were threatened or injured with a weapon on school property (such as a gun, knife,	9.5 9.0 No linear change Not available nts who were threatened or injured with a weapon on school property (such as a gun, knife,

<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.

				Healt	h Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
			s who v	vere in	a physic	al fight	on sch	ool prop	erty (or	ne or m	ore time	s during	g the 12				
		12.5			10.1	12.7	10.6	9.5	11.4	6.0	7.8	7.7	5.6	6.6	Decreased, 1997-2021	No quadratic change	No change
•	ercent	ercentage of	ercentage of students efore the survey)	ercentage of students who wefore the survey)	ercentage of students who were in a efore the survey)	ercentage of students who were in a physic efore the survey)	ercentage of students who were in a physical fight efore the survey)	ercentage of students who were in a physical fight on scheefore the survey)	ercentage of students who were in a physical fight on school properore the survey)	ercentage of students who were in a physical fight on school property (or efore the survey)	ercentage of students who were in a physical fight on school property (one or meefore the survey)	ercentage of students who were in a physical fight on school property (one or more time efore the survey)	ercentage of students who were in a physical fight on school property (one or more times during efore the survey)	ercentage of students who were in a physical fight on school property (one or more times during the 12 efore the survey)	ercentage of students who were in a physical fight on school property (one or more times during the 12 efore the survey)	ercentage of students who were in a physical fight on school property (one or more times during the 12 efore the survey)  12.5 10.1 12.7 10.6 9.5 11.4 6.0 7.8 7.7 5.6 6.6 Decreased,	ercentage of students who were in a physical fight on school property (one or more times during the 12 efore the survey)  12.5 10.1 12.7 10.6 9.5 11.4 6.0 7.8 7.7 5.6 6.6 Decreased, No quadratic 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 Injury	and V	iolence																
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
someor	ne they n object	were da or wea	nting or pon] on	going o	out with re time	[counti during	ng such the 12	things months	as being	g hit, sl	ammed	into so	on purp mething dents w	, or inju				
											9.8	8.9	8.6	7.4	8.4	No linear change	Not available <sup>§</sup>	No change
QN23:	Percei	ntage of	studen	ts who v	were bu	llied on	school	propert	y (ever	during	the 12 r	nonths	before t	ne surve	ey)			_
									20.8	18.9	21.4	22.0	21.2	23.8	16.0	No linear change	No change, 2009-2017 Decreased, 2017-2021	Decreased
				ts who v dia, eve							ullied th	rough t	exting,	 [nstagra	m,			
										17.4	13.2	17.0	18.2	18.0	17.7	No linear change	No quadratic change	No change

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

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

Total Injury	and V	iolence																
					Heal	th Risk	Behav	ior and	l Percei	ntages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
						or hope 12 mon				for >=2	2 weeks	in a rov	v so tha	t they st	opped			
						30.1	28.2	29.4	26.7	27.0	25.7	31.3	29.2	37.2	39.2	Increased, 2003-2021	Decreased, 2003-2013 Increased, 2013-2021	No change
QN26:	Percei	ntage of	f studen	ts who	seriousl	y consid	dered at	temptir	ng suicio	le (durii	ng the 1	2 montl	ns befor	e the su	rvey)			
			22.4			17.6	15.4	15.1	14.6	14.8	15.0	15.7	14.8	18.4	19.1	Decreased, 1997-2021	Decreased, 1997-2009 Increased, 2009-2021	No change
QN27: the sur		ntage of	f studen	ts who	made a	plan abo	out how	they w	ould at	empt su	iicide (d	luring tl	ne 12 m	onths be	efore			
			17.0			14.5	11.6	11.9	12.5	13.7	12.6	13.9	13.0	15.9	15.0	No linear change	Decreased, 1997-2007 Increased, 2007-2021	No change
QN28: survey		ntage of	f studen	ts who	actually	attemp	ted suic	ide (on	e or mo	re times	during	the 12	months	before t	he	-		
			8.0			10.3	9.2	7.6	8.8	10.9	7.7	9.4	7.9	8.1	9.5	No linear change	No quadratic change	No change

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

Injury	y and V	iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
					nad a su					n injury	, poiso	ning, or	overdo	se that h	nad to			
			2.5	( )	8	3.7	2.7	2.4	3.5	4.6	2.9	3.9	2.8	3.0	3.2	No linear change	No quadratic change	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.

## **Kentucky High School Survey Trend Analysis Report**

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN30:	Percer	itage of	student	s who e	ever trie	d cigare	tte smo	king (e	ven one	or two	puffs)							
			77.3			71.1	59.5	62.2	59.0	59.2	47.1	44.1	40.5	30.6	26.4	Decreased, 1997-2021	Decreased, 1997-2011 Decreased, 2011-2021	No change

15.5 11.8 13.5 No linear change

4.9

Decreased,

1997-2021

Not available§

Decreased, 1997-2017

Decreased, 2017-2021

No change

Decreased

QNFRCIG: Percentage of students who days before the survey)	no currently si	moked o	cigarette	es frequ	ently (o	n 20 or	more d	ays duri	ng the 3	30			
27.6	18.4	14.4	13.4	12.0	11.6	7.3	5.7	4.9	3.0	1.3	Decreased, 1997-2021	Decreased, 1997-2011 Decreased, 2011-2021	Decreased

32.7 26.2 26.0 26.1 24.1 17.9 16.9 14.3

QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the

Total

survey)

47.0

<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 Toba	cco Use																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QND.	AYCIG: rvey)	Percer	ntage of	student	s who c	currently	smoke	d cigare	ettes dai	ly (on a	ıll 30 da	ys durii	ng the 3	0 days l	before			
			22.5			14.9	11.1	10.6	9.3	9.0	5.6	4.6	3.7	2.2	1.1	Decreased, 1997-2021	Decreased, 1997-2011 Decreased, 2011-2021	No change
	: Perce									y (on th	ne days	they sm	oked du	iring the	e 30	_		
			26.2			16.6	19.1	13.6	13.8	18.2	10.9	6.8	7.2	11.0	8.2	Decreased, 1997-2021	No quadratic change	No change
																1777 2021		
	: Perce												vapes,	vape pe	ens,	1997 2021		

<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.

## Kentucky High School Survey Trend Analysis Report

**Total** Tobacco Use **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey) 23.4 14.1 26.1 21.9 No linear change Not available§ No change QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 3.2 2.7 11.1 8.1 Increased. Not available Decreased 2015-2021 ONDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) 2.2 1.9 8.7 6.8 Not available No change Increased, 2015-2021 QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 26.9 19.6 26.3 21.7 No linear change Not available No change

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

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

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

### **Kentucky High School Survey Trend Analysis Report**

Total **Tobacco Use Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) 4.2 Not available§ 10.6 6.4 Decreased. No change 2017-2021 QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey) 4.5 2.4 1.5 Decreased. Not available No change 2017-2021 QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey) 3.4 2.2 1.1 Decreased. Not available No change 2017-2021

<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.

Total Tobac	cco Use																	
					Heal	th Risk	Behavi	ior and	Percen	ntages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
			f studen e survey		currentl	y smok	ed cigar	s (cigar	s, cigari	illos, or	little ci	gars, on	at least	t 1 day o	during			
						18.7	15.5	15.5	17.2	17.5	13.3	14.0	11.0	7.9	4.3	Decreased, 2003-2021	Decreased, 2003-2015 Decreased, 2015-2021	Decreased
							oked cig s before			s or use	d smok	eless tol	bacco oi	r electro	onic			
													23.4	27.1	22.5	No linear change	Not available§	No change
					who cu		smoked	cigars	frequen	tly (ciga	ars, ciga	rillos, c	or little o	cigars, o	on 20			
						1.4	2.6	2.0	1.8	2.5	1.9	1.8	1.0	1.6	1.0	Decreased, 2003-2021	No quadratic change	No change

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

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

10040	cco Use				Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
ONTI	2. Dom					-	-				-							
_		centage	of stude	ents who	o curren	tly smo	ked cig	arettes o	or cigars	s (on at	least 1	day duri	ng the 3	0 days 1	before			
_		centage	of stude	ents who	o curren	atly smo 37.6	ked cig 29.4	arettes of 28.8	or cigars	27.8	22.0	day duri 20.7	ng the 3	0 days 1	before 6.9	Decreased, 2003-2021	Decreased, 2003-2017 Decreased, 2017-2021	Decreased
the su	rvey) AYCGR	: Perce		f studen	nts who	37.6	29.4	28.8	29.3	27.8	22.0	•	17.3	11.6	6.9	,	,	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.

Alcon	oi anu v	Other I	rug Os	oc .	Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN40:	Percei	ntage of	studen	ts who l	nad thei	r first dı	rink of a	alcohol	before a	ige 13 y	ears (ot	her thar	a few	sips)				
			30.4			26.8	28.9	25.1	21.7	20.5	19.0	15.9	17.1	15.4	14.4	Decreased, 1997-2021	No quadratic change	No change
		ntage of e the sur		ts who	currently	y drank	alcohol	(at leas	st one di	rink of a	alcohol,	on at le	ast 1 da	y durin	g the			
			49.3			45.1	37.4	40.6	37.8	34.6	30.4	28.5	26.6	23.5	17.5	Decreased, 1997-2021	Decreased, 1997-2009 Decreased, 2009-2021	Decreased
were fo	emale o	_	r more o	drinks o	f alcoho	y were toll in a ro	_	_	•						-			
													13.2	10.3	8.0	Decreased,	Not available§	No change

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

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

	ol and (	omer 1	orug Os		Healt	th Risk	Behavi	or and	Percer	ıtages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
					reported 30 days				er of dri	nks the	y had in	a row v	vas 10 c	r more				
														3.6	2.1	No linear change	Not available§	Decreased
QN45	. Perce	ntage of	studen	ts who e	ever use	ed marij	uana (oi	ne or m	ore time	es durin	g their l	ite)						
			48.1			43.3	34.4	35.0	31.4	37.4	34.0	33.1	32.1	31.9	23.1	Decreased, 1997-2021	No quadratic change	Decreased
QN46	Percei	ntage of		ts who t	tried ma	43.3				37.4	34.0		32.1	31.9	23.1	,	No quadratic change	Decreased
QN46	: Perce	ntage of		ts who t	ried ma	43.3		first tin		37.4	34.0		7.4	7.0	23.1	,	No quadratic change  No change, 1997-2009  Decreased, 2009-2021	Decreased  No change
			studen 9.3		ried ma	43.3 arijuana 11.5	for the 10.0	first tim	ne befor	37.4 re age 13	34.0 3 years 8.5	6.3	7.4	7.0	6.1	Decreased,	No change, 1997-2009	

<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.

Alcoh	ol and (	Other I	Orug Us	se	Heal	h Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN48	Perce	ntage of	f studen	ts who e	ever use	d synthe	etic mar	ijuana (	(one or	more tii	nes duri	ing thei	r life)					
												10.3	7.9	6.2	6.7	Decreased, 2015-2021	Not available <sup>§</sup>	No change
than h	ow a do	ctor tol		to use it	(counti	ng drug					a doctor xyConti				rently			
													10.9	11.0	10.6	No linear change	Not available	No change
			f studen sprays t								content	ts of aer	osol sp	ray cans	s, or			

<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.

					Heal	th Risk	Behavi	ior and	Percer	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
		ntage of heir life		ts who	ever use	d heroi	n (also d	called "	smack,"	"junk,	" or "Ch	ina Whi	ite," one	or moi	e			
												3.7	2.1	1.8	1.9	Decreased, 2015-2021	Not available§	No change
			C . 1			1 .1										<del>.</del>		
	Percent				ever use their lif		ampheta	ımınes	(also ca	lled "sp	eed," "c	rystal n	neth," "d	rank," '	"ice,"			
							ampheta	imines (	(also ca	lled "sp	eed," "c	erystal m	neth," "d	erank," '	"ice," 1.7	No linear change	Not available	No change
QN55	eth," one	e or mor	re times	during ts who	their lif	e)					oeed," "c			2.2	1.7	No linear change	Not available	No change
QN55	eth," one	e or mo	re times	during ts who	their lif	e)								2.2	1.7	No linear change	Not available  Not available	No change
QN55 body,	Percerone or r	ntage of	f studen	ts who	their lif	ected an	y illega	l drug (	used a ı	needle t		any ille	gal drug 2.5	2.2 g into th 2.2	1.7 reir 1.5			

<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.

# Kentucky High School Survey Trend Analysis Report

Total Sexual Behaviors

Sexual	l Behav	iors																
					Heal	th Risk	Behavi	ior and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN57:	Perce	ntage of	fstuden	ts who e	ever had	d sexual	interco	urse										
			53.7			52.1	46.3	50.3	48.3	51.8	44.7	41.7	38.4	39.2	30.7	Decreased, 1997-2021	No change, 1997-2011 Decreased, 2011-2021	Decreased
QN58:	Perce	ntage of	f studen	ts who l	had sex	ual inter	course	for the	first tim	e before	e age 13	years						
			7.2			5.6	7.9	7.8	6.7	7.2	5.4	4.8	3.7	3.2	3.9	Decreased, 1997-2021	No change, 1997-2007 Decreased, 2007-2021	No change
QN59:	Perce	ntage of	f studen	ts who l	had sex	ual inter	course	with for	ır or mo	ore pers	ons duri	ng their	life			-		
			18.1			14.8	13.6	14.4	12.7	16.6	12.6	10.4	9.6	8.5	7.1	Decreased, 1997-2021	No change, 1997-2011 Decreased, 2011-2021	No change
			f studen before th			rrently	sexually	active	(had se	xual into	ercourse	with at	t least o	ne perso	on,			
			39.4			38.7	33.5	36.5	33.6	37.7	31.7	30.3	29.0	28.7	22.0	Decreased, 1997-2021	No change, 1997-2011 Decreased, 2011-2021	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.

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					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change fron 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
_		ntage of y sexual			drank al	cohol o	r used d	rugs be	fore las	t sexual	interco	urse (ar	nong sti	ıdents v	vho			
			27.6			21.9	19.3	19.0	22.9	16.8	18.7	17.1	17.5	14.9	13.3	Decreased,	No quadratic change	No chang

QN82: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood)

61.7 65.2 59.0 59.9 50.6 53.1 53.9 48.7 52.6 46.4

11.6 11.3 10.8 7.3 Decreased, Not available§ Decreased 2015-2021

Decreased,

1997-2021

Increased, 1997-2004

Decreased, 2004-2021

No change

57.3

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN66	Perce	ntage of	fstuden	ts who	describe	d thems	selves a	s slightl	y or vei	y overv	veight							
			32.0			33.8	33.2	31.2	30.1	30.0	32.3	32.0	33.7	34.7	33.3	No linear change	No quadratic change	No change
01101							• • •	05.1			05.1		6 1 1		. ,			
_				dents wl			•					rcentile	for bod	y mass i	index,			
_							•		growth (			rcentile 17.0	for body	y mass i	index,	No linear change	No quadratic change	No change
_						a from t	he 2000	) CDC	growth (	charts)§	•		•		,	No linear change	No quadratic change	No change
based  QNOI	on sex-	and age	e-specif		ence dat	a from t 15.2 d obesit	the 2000 16.8 y (>= 9:	16.3 5th perc	growth of	charts) <sup>§</sup>	15.4	17.0	16.1	17.8	16.2	No linear change	No quadratic change	No change

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

<sup>§</sup>Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Heal	th Risk	Behavi	ior and	Percer	ıtages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
-	: Perce	_	f studen	ts who	did not	drink fr	uit juice	(100%	fruit ju	ices on	e or mor	e times	during	the 7 da	ys			
						25.8	27.2	28.8	26.1	26.5	28.5	28.3	31.3	32.7	32.9	Increased, 2003-2021	No change, 2003-2011 Increased, 2011-2021	No change
QN69	: Perce	ntage of	studen	ts who	did not	eat fruit	(one or	more t	imes du	ring the	7 days	before	he surv	ey)	-			
						18.5	20.8	18.9	18.8	19.1	14.2	14.8	16.7	18.4	19.1	Decreased, 2003-2021	Decreased, 2003-2015 Increased, 2015-2021	No change
		centage uring th				ot eat fru	it or dri	nk 100	% fruit	juices (	such as	orange j	uice, ap	ple juic	e, or	-		
						9.9	11.3	10.6	9.7	9.7	8.0	7.7	8.8	10.4	9.8	No linear change	Decreased, 2003-2015	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.

Total Weigh	nt Mana	igemen	t and D	Dietary 1		ors th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
						it or dra 7 days b				ne or m	nore tim	es per d	ay (sucl	n as ora	nge			
						46.0	50.1	47.0	50.8	50.3	55.4	52.7	48.3	47.5	47.5	No linear change	Increased, 2003-2013 Decreased, 2013-2021	No change
						it or dra 7 days b				wo or m	nore tim	es per d	ay (suc	h as ora	nge			
						19.2	23.8	21.3	24.2	23.0	25.7	21.0	20.8	20.9	19.0	Decreased, 2003-2021	Increased, 2003-2013 Decreased, 2013-2021	No change
QN70	: Percei	ntage of	studen	ts who	did not e	eat gree	n salad	(one or	more ti	mes dui	ring the	7 days	pefore t	he surve	ey)			
						40.3	47.2	46.3	45.6	45.6	47.0	49.6	49.7	50.9	52.9	Increased, 2003-2021	No quadratic change	No change

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

Total Weigh	ıt Mana	agemen	t and D	oietary i	Behavi	ors												
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN71	Perce	ntage of	studen	ts who	did not	eat pota	toes (on	e or mo	re time	s during	g the 7 c	lays bef	ore the	survey)				
						25.6	24.2	24.3	23.1	25.7	26.5	29.0	35.4	37.6	37.6	Increased, 2003-2021	No change, 2003-2009 Increased, 2009-2021	No change
QN72	Perce	ntage of	studen	ts who	did not	eat carro	ots (one	or mor	e times	during	the 7 da	ys befor	re the su	ırvey)				
						59.2	59.8	60.0	58.6	58.9	55.9	58.2	61.7	62.9	65.3	Increased, 2003-2021	No change, 2003-2015 Increased, 2015-2021	No change
QN73		ntage of	studen	ts who	did not	eat othe	r vegeta	bles (o	ne or m	ore time	s durin	g the 7 o	days bef	ore the				
						17.9	19.3	20.7	21.7	22.9	21.1	21.9	24.1	24.4	25.5	Increased, 2003-2021	No quadratic change	No change

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

Total Weigl	nt Mana	agemen	t and D	ietary l		ors th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
						not eat v							rench fr	ies, frie	d			
						6.4	7.5	6.7	6.3	7.0	6.2	8.5	10.3	11.0	10.8	Increased, 2003-2021	No change, 2003-2011 Increased, 2011-2021	No change
						vegetabl carrots,									ng			
						55.6	58.0	57.4	58.7	56.8	57.3	57.1	50.7	48.2	47.8	Decreased, 2003-2021	No change, 2003-2015 Decreased, 2015-2021	No change
						vegetabl carrots,									ng			_

<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.

Weigl	nt Mana	agemen	t and D	ietary 1			Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
-		_				_	es three or othe				·C	· .		-	ling			
						10.5	13.5	11.1	10.9	12.3	11.6	11.1	9.0	8.9	8.2	Decreased, 2003-2021	No change, 2003-2013 Decreased, 2013-2021	No change
							can, bott						oke, Pep	osi, or S	prite,			
								16.4	18.1	17.6	21.7	23.6	23.2	25.4	22.1	Increased, 2007-2021	Increased, 2007-2015 No change, 2015-2021	No change
						-						-		-	•	-		
							n, bottle liet pop						times p	er day (	such			

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
					who dra								times p	er day (	(such			
								31.4	267	26.2	245	22.2	20.5	17.6	18.5	Decreased,	No quadratia abanga	No abana
								31.4	26.7	26.3	24.5	23.3	20.5	17.0	16.3	2007-2021	No quadratic change	No chang
QN75	Perce	ntage of	f studen	ts who	did not	drink m	ilk (duri						20.3	17.0	16.5	,	No quadratic change	No change
QN75	Perce	ntage of	f studen	ts who	did not o	drink m	ilk (duri						26.0	30.0	37.3	,	Not available <sup>§</sup>	Increased
QNM glass	LK1: I	Percenta From a c	nge of st	udents	who dra	ink one	or more	ing the	7 days b	pefore the	ne surve 21.9	22.5	26.0	30.0	37.3 nk in a	2007-2021 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.

Weigi	it iviani	igemen	t and D	ictai y i			Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
a glass	or cup,	from a		or with							ilk (cou ved at sc							
											10.5	8.7	7.1	7.3	4.7	Decreased, 2013-2021	Not available <sup>§</sup>	Decreased
QN76	Percei	ntage of	student	s who c	lid not e	eat brea	kfast (dı	uring th	e 7 days	s before	the sur	vey)						
									14.9	15.5	12.3	12.6	15.4	16.6	20.5	Increased, 2009-2021	Decreased, 2009-2015 Increased, 2015-2021	Increased
																-		
QNBK	7DAY:	Percei	itage of	student	ts who a	ate brea	kfast on	all 7 da	ıys (dur	ing the	7 days l	etore t	he surve	ey)				

<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 Physic	cal Acti	vity			Heal	th Risk	Behavi	ior and	Percen	ıtages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
of phy		tivity th				ysically t rate an												
										39.3	39.8	37.0	40.6	37.4	44.7	Increased, 2011-2021	No change, 2011-2015 Increased, 2015-2021	Increased
day (iı		nd of pl	iysical a	activity		did not pereased t										-		
										20.6	19.9	16.5	19.2	19.1	15.9	Decreased, 2011-2021	No quadratic change	No change
kind o		al activ				were phy											_	
										21.9	22.5	20.2	22.0	19.0	25.3	No linear change	No change, 2011-2017 No change, 2017-2021	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.

Total Physic	cal Acti	vity																
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
-		ntage of re in scl		ts who	attended	l physic	al educa	ation (P	E) class	es on 1	or more	e days (	in an av	erage w	eek			
			31.3			34.9	25.2	31.0	32.9	35.4	34.4	37.8	31.2	31.5	35.6	No linear change	No quadratic change	No change
		Percenta re in scl		tudents	who att	ended p	hysical	educati	on (PE)	classes	s on all :	5 days (	in an av	erage w	veek		-	
			22.3			23.8	17.3	20.0	23.1	20.0	19.3	22.3	19.2	17.8	23.5	No linear change	No quadratic change	No change
					played o				am (cou	ınting a	ny team	s run b	y their s	chool or	r			
	, ,					50.9	52.6	48.6	48.2	46.3	50.8	50.8	48.3	45.9	46.5	Decreased, 2003-2021	No quadratic change	No change

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

Total Other																		
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
-		ntage of before			saw a de	entist (fo	or a che	ck-up, e	exam, te	eth clea	aning, o	r other o	dental w	ork, du	ring			
								69.7	69.0	67.8	69.4	69.8	73.1	71.6	69.7	Increased, 2007-2021	No quadratic change	No change
QNN( work)	DDNT:	Percent	age of s	students	s who no	ever saw	a denti	ist (for a	a check	-up, exa	ım, teetl	ı cleani	ng, or o	ther der	ıtal			
								2.7	2.0	3.2	2.3	2.2	2.1	1.9	1.9	Decreased, 2007-2021	No quadratic change	No change
QN86:	: Perce	ntage of	studen	ts who į	got 8 or	more h	ours of	sleep (o	n an av	erage so	chool ni	ght)						
												24.3	22.0	19.4	20.0	Decreased, 2015-2021	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.

Total Site-A	dded																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	Percei the sur		studen	ts who u	ısually	did not	sleep in	their pa	arent's c	r guard	ian's ho	ne (dur	ing the	30 days	3			
		•											5.7	5.2	5.8	No linear change	Not available§	No change
						drank a , during					one or m	ore time	es per d	ay (cou	inting			
													59.5	62.7	63.1	No linear change	Not available	No change
						drank a , during					wo or m	ore tim	es per d	lay (cou	ınting			
													49.5	54.4	54.7	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.

## Kentucky High School Survey Trend Analysis Report

**Total** Site-Added **Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QNWATER3: Percentage of students who drank a bottle or glass of plain water three or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) 40.7 41.0 No linear change Not available§ No change QN92: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) 20.8 17.2 17.6 21.9 No linear change Not available No change QN93: Percentage of students who currently used an electronic vapor product on school property (on at least 1 day during the 30 days before the survey) 19.7 13.8 Decreased. Not available Decreased 2019-2021

<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.

Total Site-A	dded																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
						drink a l e survey	bottle or	glass c	of plain	water (d	counting	g tap, bo	ottled, a	nd unfla	avored			
-F		,	-8				,						9.2	9.0	6.5	No linear change	Not available§	No change
ONIOS	D		1	1 1	1 1	dha ta da	.41	11.7.1	. (1: -		1	C (1		`				
QN95	Percei	ntage of	studen	ts wno t	orusnea	tneir te	eth on a	II / day	s (aurir	ig the /	days be	rore the	survey	")				
								76.7	77.3	74.5	77.2	72.9	70.6	70.4	68.1	Decreased, 2007-2021	No quadratic change	No change
							nore day e 30 day				eir men	tal heal	th was r	not good	1			
														25.4	25.8	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.

				Healt	h Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
991 1993	3 199	5 1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
N97: Peroroblems	centage	of studen	ts who o	lo not h	ave an a	adult in	their lif	e that th	ney trust	and ca	n talk to	about s	serious				
										16.2	13.9	11.3	15.5	16.6	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.

## Kentucky High School Survey Trend Analysis Report

Male **Injury and Violence Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN10: Percentage of students who drove a car or other vehicle when they had been drinking alcohol (one or more times during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey) 7.8 5.4 4.3 4.7 3.0 Decreased, Not available§ No change 2013-2021 QN11: Percentage of students who texted or e-mailed while driving a car or other vehicle (on at least 1 day during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey) 40.4 36.1 37.7 34.8 31.9 Decreased, Not available No change 2013-2021 QN13: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) 9.4 8.5 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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
			f student						ey felt	unsafe a	t schoo	l or on t	heir wa	y to or f	from			
senoor	(on at )	ioust i c	auy duri	ing the 3	o days	octore t	ne sur v	23)						7.6	8.0	No linear change	Not available§	No change
														7.0	0.0	No illiear change	Not available	140 change
														7.0	8.0	No illear change	Not available	No change
			f student							pon on s	school p	roperty	(such a			No illeat change	Not available	Tvo change
											school p	roperty 7.6	(such a			Decreased, 1997-2021	No quadratic change	No change
or club QN17:	Percer	r more t	9.6 f student	ring the	e 12 mo	nths bef	fore the	survey) 9.6	10.4	8.7	6.6	7.6	9.1	s a gun, 7.9	knife,	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.

mjur	and v	iolence			Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
going interco	out with ourse] th	n to do s nat they	sexual tl did not	nings [co want to	ounting do, one	nced sex such the e or mon the 12 i	ings as e times	kissing, during	touchii the 12 i	ng, or bonoths	eing phy	ysically	forced	to have	sexual			
											6.4	6.1	2.2	3.2	6.7	No linear change	Not available§	Increased
some	ne they n object	were da or wea	ating or pon] on	going o	out with re times	nced phy [counti s during s before	ng such the 12	things a	as being	g hit, sla	mmed i	nto son	nething,	or inju				
											7.6	5.3	6.7	5.4	5.6	No linear change	Not available	No change
went o	Perce	ntage of	studen	ts who v	were bu	llied on	school	property	y (ever	during t						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 Injury	and V	iolence																
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
						ectronics g the 12					ıllied th	ough te	exting, I	nstagrai	m,			
										13.1	9.9	9.2	11.8	13.0	12.3	No linear change	No quadratic change	No change
						or hope 12 mon				for >=2	weeks	in a row	so that	they st	opped			
						23.6	21.8	23.1	21.7	22.1	20.0	20.5	17.6	27.8	26.9	No linear change	Decreased, 2003-2017 Increased, 2017-2021	No change
QN26	: Perce	ntage of	studen	ts who	seriousl	y consid	lered att	temptin	g suicid	e (durir	ng the 12	2 month	s before	e the sur	rvey)	-		
			18.4			14.3	12.6	12.2	12.4	11.6	10.9	10.6	9.6	14.6	13.7	Decreased, 1997-2021	Decreased, 1997-2015 Increased, 2015-2021	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.

,,	and V	Iorence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN27 the su		ntage of	student	ts who i	made a j	plan abo	out how	they w	ould att	empt su	icide (d	uring th	ne 12 m	onths be	efore			
			12.7			13.8	9.9	9.9	10.9	12.8	10.9	9.8	9.6	14.0	10.8	No linear change	No quadratic change	Decreased
QN28 survey		ntage of	student	ts who a	actually	attemp	ed suic	ide (one	e or moi	e times	during	the 12 r	nonths	before t	he		_	
			6.5			9.8	7.0	5.8	8.4	10.4	5.9	5.7	5.8	6.2	6.1	Decreased, 1997-2021	No change, 1997-2011 Decreased, 2011-2021	No change
		ntage of	student						lted in a	n injury	, poisoi	ning, or	overdo	se that h	ad to			
	Perceited by a		or nurs	e (durir	ng the 12	2 month	is before	e the su	rvey)									

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

Male Tobac	co Use				Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		2019-2021
QN30:	Percei	ntage of	studen	ts who e	ever trie	ed cigare	ette smo	king (e	ven one	or two	puffs)							
			78.1			69.6	60.2	62.0	61.1	61.2	49.2	41.4	41.2	31.7	25.9	Decreased, 1997-2021	Decreased, 1997-2011 Decreased, 2011-2021	No change
ON31:	Percei	ntage of	studen	ts who f	irst trie	d cigare	ette smo	king be	fore age	e 13 yea	ırs (eve	n one or	two pu	ffs)				_
								8 **		,			16.5	14.1	14.4	No linear change	Not available <sup>§</sup>	No change
QN32: survey		ntage of	studen	ts who c	currently	y smoke	ed cigar	ettes (o	n at leas	t 1 day	during	the 30 d	ays bef	ore the	,			
			48.4			31.8	26.4	26.2	29.1	26.7	20.3	15.7	14.3	10.3	5.1	Decreased, 1997-2021	Decreased, 1997-2017 Decreased, 2017-2021	Decreased
		ercenta e surve		udents v	who cur	rently s	moked	cigarett	es frequ	ently (c	on 20 or	more d	ays duri	ng the 3	30			
			30.0			18.0	15.3	12.5	12.1	12.3	8.4	4.5	4.2	3.4	1.5	Decreased, 1997-2021	No quadratic change	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.

## Kentucky High School Survey Trend Analysis Report

Male Tobacco Use **Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) 24.9 14.6 12.3 10.3 9.7 3.6 3.3 2.3 1.3 Decreased, No quadratic change No change 6.6 1997-2021 QN33: Percentage of students who smoked more than 10 cigarettes per day (on the days they smoked during the 30 days before the survey, among students who currently smoked cigarettes) 30.0 17.5 23.6 14.0 17.9 20.3 11.8 8.6 7.3 14.1 6.8 Decreased, No quadratic change No change 1997-2021 QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu]) 46.9 52.7 40.7 No linear change Not available§ 43.9 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.

## Kentucky High School Survey Trend Analysis Report

Male Tobacco Use **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey) 23.4 16.4 27.6 16.9 No linear change Not available§ Decreased QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 4.4 4.1 14.2 7.1 Increased. Not available Decreased 2015-2021 ONDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) 3.2 3.0 11.6 5.9 Not available Decreased Increased, 2015-2021 QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 26.6 21.8 27.6 16.4 Decreased. Not available Decreased 2015-2021

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

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

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

Male Tobac	co Use																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
dissolv	able to	bacco p	roducts	[such a	s Coper	nhagen,		, Skoal,			bacco, sn ], not cou				vapor			
													17.2	10.2	5.8	Decreased, 2017-2021	Not available§	Decreased
snus, c	or disso	lvable to	bacco j	product	s [such	as Cope	nhagen,	Grizzly	y, Skoal		ntly (chev nel Snus]				dip,	-		
													8.1	4.3	2.2	Decreased, 2017-2021	Not available	No change
or diss	olvable	tobacco	o produ	cts [suc	h as Co	penhage		zly, Sko	al, or C		(chewingus], not c					-		
													6.4	3.8	1.7	Decreased, 2017-2021	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 Tobac	cco Use																	
					Heal	th Risk	Behav	ior and	Percen	ntages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	_		
_		_	f studen e survey		currentl	y smok	ed cigar	rs (cigar	s, cigari	illos, or	little ci	gars, on	at least	t 1 day o	during			
						24.2	21.5	19.6	24.6	23.4	18.3	17.1	13.4	10.5	5.2	Decreased, 2003-2021	Decreased, 2003-2015 Decreased, 2015-2021	Decreased
						ntly smo				s or use	ed smoke	eless tol	oacco o	r electro	onic			
													27.9	28.7	17.7	Decreased, 2017-2021	Not available <sup>§</sup>	Decreased
			age of s			irrently survey)	smoked	l cigars	frequen	tly (ciga	ars, ciga	rillos, c	or little o	cigars, o	on 20			
						2.2	4.2	2.8	3.2	3.6	2.1	2.5	0.9	2.1	1.0	Decreased, 2003-2021	No quadratic change	No change

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

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

Male Tobacco	) Use								_							*		C) A
					Heal	th Risk	Behavi	ior and	Percen	itages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QNTB2		entage	of stude	ents who	o curren	tly smo	ked cig	arettes (	or cigar	s (on at	least 1	day duri	ng the 3	0 days	before			
QNTB2 the surv		entage	of stude	ents who	o curren	atly smo	ked cig 30.9	arettes o	or cigar	s (on at 32.0	least 1 o	day duri 20.7	ng the 3	30 days 13.6	before 7.1	Decreased, 2003-2021	Decreased, 2003-2013 Decreased, 2013-2021	Decreased
	ey) /CGR	: Perce	entage o	of studer	nts who	38.2	30.9	29.9	34.1	32.0	25.5	20.7	18.2	13.6	7.1	,	,	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.

Alcoho	ol and (	Other I	Orug Us	se	Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN40:	Percei	ntage of	studen	ts who l	nad thei	r first d	rink of a	alcohol	before a	age 13 y	ears (ot	her thai	a few	sips)				
			37.5			31.9	32.9	28.4	24.4	24.4	21.0	17.9	18.5	17.5	14.5	Decreased, 1997-2021	No quadratic change	No change
_		ntage of e the sur		ts who	currentl	y drank	alcohol	(at leas	st one di	rink of	alcohol,	on at le	ast 1 da	y durin	g the	-		
			53.8			46.3	38.0	41.0	40.4	35.6	32.6	25.6	24.4	23.6	14.4	Decreased, 1997-2021	Decreased, 1997-2011 Decreased, 2011-2021	Decreased
were fe	emale o	or five o	r more o		currently alcohor													
													12.7	11.8	7.0	Decreased, 2017-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
					reported 30 days				er of dri	nks they	y had in	a row v	vas 10 c	or more				
														5.0	2.5	Decreased, 2019-2021	Not available§	Decreased
QN45	Perce	ntage of	f studen	ts who	ever use	ed marij	uana (oi	ne or m	ore time	es durin	g their l	ife)						
QN45	Perce	ntage of	f studen 51.9	ts who	ever use	ed marij 45.4	uana (oi 36.0	ne or m 36.0	ore time	es durin	g their l	ife) 33.7	30.9	31.9	21.3	Decreased, 1997-2021	No quadratic change	Decreased
			51.9		ever use	45.4	36.0	36.0	34.4	39.7	36.9		30.9	31.9	21.3	,	No quadratic change	Decreased
			51.9			45.4	36.0 for the	36.0	34.4	39.7 e age 13	36.9 3 years		30.9	31.9 7.7	21.3	,	No quadratic change  No change, 1997-2011  Decreased, 2011-2021	Decreased  No change
QN46	Perce	ntage of	51.9 f studen 11.3	ts who		45.4 arijuana 14.7	36.0 for the 13.4	36.0 first tim 13.4	34.4 ne befor 11.4	39.7 e age 13 13.1	36.9 3 years 10.6	6.1	8.8	7.7	5.4	1997-2021 Decreased,	No change, 1997-2011	

<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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
2N48	Percei	ntage of	f studen	ts who e	ever use	d synth	etic maı	ijuana	(one or	more tii	mes dur	ing their	· life)					
												8.5	7.6	7.2	6.4	No linear change	Not available§	No change
															:			
han h	ow a do	ctor tol		to use it	(counti	ng drug					a doctor xyConti				ently			
han h	ow a do	ctor tol	d them	to use it	(counti	ng drug									rently 7.1	Decreased, 2017-2021	Not available	Decreased
han hereoco	Percei	octor tol or more	d them to times of	to use it during the	(countineir life	ng drug ) d inhala	s such a	ns codei	ine, Vic	odin, O		n, Hydr	9.5	10.8	7.1	,	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.

					Healt	th Risk	Behavi	or and	Percer	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
		ntage of heir life		ts who	ever use	d heroir	ı (also c	called "	smack,'	"junk,	or "Ch	ina Wh	te," one	or mor	re			
												3.6	2.2	2.0	1.9	No linear change	Not available§	No change
03755																		
					ever use their lif		ampheta	imines (	(also ca	lled "sp	eed," "c	erystal n	eth," "o	2.5	'ice," 1.8	No linear change	Not available	No change
QN55	Perce	e or mo	re times	during ts who	their lif	e)					o inject			2.5	1.8	No linear change	Not available	No change
Or "me	Perce	e or mo	re times	during ts who	their lif	e)								2.5	1.8	No linear change	Not available  Not available	No change
QN55 body,	Percerone or r	ntage of	f studen nes duri	ts who ong their	ever injo	ected an	y illega	l drug (	used a	needle t		any ille	gal drug 2.7	2.5 g into th	1.8 eir 1.8			

<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.

## **Kentucky High School Survey Trend Analysis Report**

Male

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN57:	Percei	ntage of	studen	ts who	ever had	l sexual	interco	urse										
			56.9			49.7	48.0	49.0	49.0	51.7	45.9	42.3	40.3	38.3	29.0	Decreased, 1997-2021	Decreased, 1997-2017 Decreased, 2017-2021	Decreased
QN58:	Percei	ntage of	studen	ts who	had sext	ıal inter	course	for the 1	irst tim	e before	e age 13	years						
			10.7			7.6	11.5	10.0	9.3	8.9	7.5	5.4	5.3	4.2	4.4	Decreased, 1997-2021	No change, 1997-2009 Decreased, 2009-2021	No change
QN59:	Percei	ntage of	studen	ts who	had sexi	ıal inter	course	with for	ır or mo	ore perso	ons duri	ng their	life					
			23.1			15.8	16.6	14.8	14.7	17.0	14.4	10.6	11.7	9.7	8.4	Decreased, 1997-2021	No quadratic change	No change
			studen efore th			rrently s	sexually	active	(had sea	xual inte	ercourse	with at	least or	ne perso	on,			
			40.2			34.8	32.5	33.2	31.2	34.6	31.0	31.0	28.8	26.9	20.1	Decreased, 1997-2021	No quadratic change	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.

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	: Percer				drank al	cohol o	r used d	lrugs be	fore las	t sexual	interco	urse (an	nong sti	ıdents v	vho			
			34.8			28.0	24.6	21.4	28.6	22.2	23.8	17.3	17.9	18.3	11.3	Decreased, 1997-2021	No quadratic change	No change
	Percei		studen	ts who u	ısed a c	ondom	during l	ast sexu	ıal inter	course	(among	student	s who v	vere cur	rently			
			65.5			68.3	69.4	67.5	66.3	55.9	62.1	64.6	53.3	60.5	51.9	Decreased, 1997-2021	No quadratic change	No change
	: Percei			ts who v	were ev	er tested	l for hu	man im	munode	ficienc	y virus (	HIV) (r	ot cour	iting tes	ts	· · · · · · · · · · · · · · · · · · ·		
GOILC I	i tiley ti	onaca	)100 <b>u</b> )									10.1	12.0	11.4	9.0	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN66	: Perce	ntage of	studen	ts who	describe	d thems	selves a	s slightl	y or vei	y overv	veight							
			26.3			27.9	29.5	25.0	24.2	23.2	29.3	25.5	28.1	30.4	30.4	No linear change	No change, 1997-2011 Increased, 2011-2021	No change
						overwe a from t						centile	for bod	y mass i	index,		-	
												rcentile	for bod	y mass i	index,	No linear change	No quadratic change	No change
QNOI	on sex-	and age	e-specifi	tudents	ence dat	a from t	17.2 y (>= 9:	17.2 5th perc	growth (	charts) <sup>§</sup> 14.3	13.8	14.9	15.0	15.5	15.0	No linear change	No quadratic change	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>Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
	: Perce		studen	ts who	lid not o	drink fru	ıit juice	(100%	fruit jui	ices one	or mor	e times	during	the 7 da	ys			
						24.5	27.9	29.7	27.6	27.5	30.0	27.8	30.3	29.9	34.1	Increased, 2003-2021	No quadratic change	No change
QN69	Perce	ntage of	studen	ts who	did not e	eat fruit	(one or	more ti	mes dui	ring the	7 days	before t	the surv	ey)	•			
						20.9	21.8	21.2	20.2	23.1	16.5	18.0	20.2	20.0	21.1	No linear change	No quadratic change	No change
-		_			o did no	ot eat fru	it or dri	nk 1009	% fruit j	uices (s	such as	orange j	uice, ap	ple juic	e, or			

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
							ank 100 pefore th			ne or m	ore time	es per d	ay (such	ı as oraı	nge			
						46.9	53.1	47.6	51.8	51.3	55.3	52.7	51.6	48.2	49.7	No linear change	Increased, 2003-2015 No change, 2015-2021	No change
							ank 100 pefore th			wo or m	ore time	es per d	ay (sucl	ı as oraı	nge			
						19.3	26.1	22.6	24.1	24.4	27.9	20.1	23.8	20.4	21.0	Decreased, 2003-2021	Increased, 2003-2013 Decreased, 2013-2021	No change
QN70	: Perce	ntage of	student	s who d	lid not e	eat gree	n salad (	(one or	more ti	mes dur	ring the	7 days l	pefore tl	ne surve	ey)			

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

Male Weigh	ıt Mana	ngemen	t and D	etary :	Behavi	ors												
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN71	Percei	ntage of	student	ts who	did not	eat pota	toes (on	e or mo	ore time	s during	g the 7 d	lays bef	ore the	survey)				
						24.9	25.8	26.1	23.4	26.7	25.3	29.5	37.2	35.8	37.0	Increased, 2003-2021	No change, 2003-2009 Increased, 2009-2021	No change
QN72	Percei	ntage of	student	ts who	did not	eat carro	ots (one	or mor	e times	during	the 7 da	ys befoi	re the su	rvey)	,			
						59.3	59.0	59.8	58.7	56.6	56.1	60.7	61.6	62.1	64.4	Increased, 2003-2021	No change, 2003-2013 Increased, 2013-2021	No change
QN73		ntage of	student	ts who	did not	eat othe	r vegeta	bles (o	ne or m	ore time	s during	g the 7 o	lays bef	ore the				
						20.1	23.2	23.5	23.4	26.3	24.4	25.5	27.0	25.5	28.5	Increased, 2003-2021	No quadratic change	No change

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

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
						not eat v egetable							ench fr	ies, frie	d			
						7.5	10.0	8.6	7.9	8.7	7.6	10.4	12.0	12.0	12.7	Increased, 2003-2021	No quadratic change	No change
						egetabl carrots,									ng			
						53.2	57.6	55.9	57.4	58.4	57.9	55.3	49.2	49.0	47.3	Decreased,	No change, 2003-2013	No change
																2003-2021	Decreased, 2013-2021	
						egetabl carrots,									ng	2003-2021	Decreased, 2013-2021	

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
							es three or othe								ling			
						11.6	15.2	12.3	10.7	12.8	13.7	10.9	9.0	8.5	9.0	Decreased, 2003-2021	No change, 2003-2013 Decreased, 2013-2021	No change
QN74	Percei	ntage of	student	s who c	lid not o	drink a c	can, bott	le, or g	lass of s	oda or	pop (su	ch as Co	oke, Pep	si, or S	prite,		-	
							s during		ays bef	ore the	survey)							
							s during		ays bef	ore the	survey) 20.4	22.7	21.7	23.8	23.5	Increased, 2007-2021	No quadratic change	No change
not co	unting conting conting of the continuous of the continuou	liet soda	a or diet	pop, or	who dra	ore time	n, bottle	the 7 d 15.7 2, or gla	16.3	17.5 da or po	20.4 op one o	22.7				,	No quadratic change	No change

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

					Healt	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
					who dra								times p	er day (	(such			
								34.7	30.1	28.0	26.9	23.9	23.4	19.3	19.8	Decreased,	No quadratic change	No chang
								34.7	30.1	20.0	20.7	23.7	23.4	17.3	15.0	2007-2021	140 quadratic change	140 chang
QN75	Perce	ntage of	studen	ts who	did not o	drink m	ilk (duri									,	Tvo quadratic change	
QN75	Perce	ntage of	studen	ts who o	did not o	drink m	ilk (duri						20.0	23.5	29.6	,	Not available <sup>§</sup>	Increased
QNM glass o	LK1: I	Percenta rom a c	nge of st	udents	who dra	ink one	or more	ing the	7 days b	pefore the	he surve	y) 18.5 ting the	20.0	23.5	29.6 nk in a	2007-2021 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.

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

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
a glass	or cup,	from a		or with										they dra o one gl				
											14.1	13.2	9.7	10.0	6.1	Decreased.	NI - 4 11 - 1 - 1 - 8	ъ .
											14.1	13.2	7.1	10.0	0.1	2013-2021	Not available <sup>§</sup>	Decreased
QN76:	Percer	ntage of	studen	ts who d	lid not e	eat break	xfast (dı	uring the	e 7 days	s before				10.0	0.1	,	inot availables	Decreased
QN76:	Percer	ntage of	studen	ts who c	lid not e	eat break	xfast (du	uring the	e 7 days 16.1	s before		vey)	14.8	16.3	18.4	,	Decreased, 2009-2015 Increased, 2015-2021	No change
						eat break			16.1	17.6	the sur	vey) 13.0	14.8	16.3		2013-2021	Decreased, 2009-2015	

<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 Physic	cal Acti	vity			Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
of phy		tivity th							60 minureathe h									
		•								49.5	48.7	44.1	50.5	44.4	52.8	No linear change	No change, 2011-2015 No change, 2015-2021	Increased
day (ir	n any ki	nd of pl		activity					least 60									
C		j		,						17.2	16.1	13.9	15.5	15.5	13.6	No linear change	No quadratic change	No change
kind o		al activ							at least of									
										30.4	29.5	27.3	31.0	24.8	35.1	No linear change	No change, 2011-2015 No change, 2015-2021	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.

Male Physic	cal Acti	vity																
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
-		ntage of re in scl		ts who	attended	l physic	al educa	ation (P	E) class	ses on 1	or more	e days (	in an av	erage w	eek			
			36.9			43.8	30.2	37.3	41.8	43.9	41.9	44.2	38.2	37.8	39.5	No linear change	No quadratic change	No change
		Percenta re in scl		tudents	who att	ended p	hysical	educati	ion (PE)	) classes	s on all	5 days (	in an av	erage w	veek			
	-		27.4			28.7	20.2	23.5	29.8	24.8	22.5	25.2	25.2	20.9	26.3	No linear change	No quadratic change	No change
					played o				am (cou	ınting a	ny tean	ns run b	y their s	chool or	r			
		- <b>-</b>				55.5	55.2	51.7	51.9	47.9	54.3	53.3	50.5	49.7	48.1	Decreased, 2003-2021	No quadratic change	No change

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

## Kentucky High School Survey Trend Analysis Report

Male Other **Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN84: 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) 68.0 69.6 66.3 66.5 68.2 70.3 70.2 67.6 No linear change No quadratic change No change QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) 2.8 2.3 3.3 2.3 2.1 2.4 2.3 No quadratic change No change 1.7 Decreased, 2007-2021

26.8

23.3

20.7

20.5

Decreased.

2015-2021

Not available§

No change

QN86: Percentage of students who got 8 or more hours of sleep (on an average school night)

<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-A	dded																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	Percei		studen	ts who ı	ısually	did not	sleep in	their pa	rent's o	r guard	ian's hoi	ne (dur	ng the	30 days	1			
		•											6.3	6.1	6.0	No linear change	Not available§	No change
						drank a					ne or m	ore time	es per d	lay (cou	nting			
													57.2	62.3	64.1	No linear change	Not available	No change
						drank a					wo or m	ore time	es per c	lay (cou	nting			
													46.6	54.5	57.1	Increased, 2017-2021	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.

## Kentucky High School Survey Trend Analysis Report

Male Site-Added **Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QNWATER3: Percentage of students who drank a bottle or glass of plain water three or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) 36.0 40.7 44.9 Increased, Not available§ No change 2017-2021 QN92: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) 13.3 11.5 12.3 13.0 No linear change Not available No change QN93: Percentage of students who currently used an electronic vapor product on school property (on at least 1 day during the 30 days before the survey) Not available 23.3 13.9 Decreased. Decreased 2019-2021

<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.

### **Kentucky High School Survey Trend Analysis Report**

Male Site-Added **Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN94: Percentage of students who did not drink a bottle or glass of plain water (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) Not available§ 12.1 10.4 7.4 Decreased. No change 2017-2021 QN95: Percentage of students who brushed their teeth on all 7 days (during the 7 days before the survey) 70.5 69.3 66.8 69.8 64.8 64.4 63.3 62.7 Decreased, No quadratic change No change 2007-2021 QN96: Percentage of students who missed one or more days of school because their mental health was not good (including stress, anxiety, and depression, during the 30 days before the survey) 17.4 15.5 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>lt;sup>†</sup>Based on t-test analysis, p < 0.05.

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

Site-A					Heal	th Risk	Behavi	ior and	Percen	ntages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
-		ntage of	student	s who c	lo not h	ave an a	adult in	their lif	fe that tl	hey trust	and car	ı talk to	about	serious				
QN97: problei		ntage of	student	ts who c	lo not h	ave an a	adult in	their lif	fe that tl	hey trust		n talk to		serious 13.6	15.6	No linear change	Not available <sup>§</sup>	No change
problei	ms										16.7	11.1	11.9	13.6		No linear change	Not available <sup>§</sup>	No change
QN98:	ns Percer		student							hey trust	16.7	11.1	11.9	13.6		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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
times o		he 30 da							-			_	,	ne or mo				
											3.4	6.1	3.0	2.9	1.5	Decreased, 2013-2021	Not available <sup>§</sup>	No change
														day duri				
·			•								31.6	37.1	30.2	28.6	•	No linear change	Not available	No change
ON13:	Darcas	ntage of	ctudan	te who	orried (	o gun (n	ot coun	ting the	dove w	han tha	v carrie	d a gun	only fo	r huntin	g or			
											y carried ne surve		only fo	r huntin	g or			
													4.2		3.2	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.

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

Femal Injury		iolence																
					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
					did not g 30 days l				ey felt	unsafe a	at schoo	l or on t	heir wa	y to or f	rom			
seliooi	(on at )	icust i c	iay dain	ng uic s	o days	octore t	ne surv	<i>- y y</i>						10.9	9.3	No linear change	Not available <sup>§</sup>	No change
					were thre 12 mos					pon on s	school p	property	(such a	s a gun,	knife,			
										pon on s	·	property 6.7	(such a	s a gun,	knife,	Increased, 1997-2021	No quadratic change	No change
or club QN17:	Percer	r more t	3.8  f student	ring the		nths bef	fore the 4.7	survey)	5.2	5.1	3.8	6.7	4.7	5.8	5.8	,	No quadratic change	No change

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

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

Femal Injury	-	iolence	;															
					Heal	th Risk	Behavi	ior and	Percer	ntages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	93 1995 1997 1999 2001 2003 2004 2007 2009				2011	2013	2015	2017	2019	2021	-						
going o	out witl ourse] tl	n to do s nat they	sexual t did not	nts who hings [c t want to someone	ounting o do, on	such the or mo	ings as re times	kissing during	, touchi the 12	ng, or b months	eing ph	ysically	forced	to have	sexual			
											13.1	13.8	10.2	9.4	18.9	No linear change	Not available§	Increased
someo with a	ne they n object	were d	ating or ipon] or	nts who going one or mong the 12	out with ore time	[counti s during	ng such the 12	things months	as bein	g hit, sla	ammed	into sor	nething	or inju				
											11.8	12.1	9.7	8.7	10.1	No linear change	Not available	No change
QN23:	Perce	ntage of	f studen	nts who	were bu	llied on	school	propert	y (ever	during	the 12 n	nonths l	efore th	ne surve	ey)			
									21.9	20.8	24.1	28.6	25.8	27.9	19.6	No linear change	Increased, 2009-2017 Decreased, 2017-2021	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.

Femal Injury	le y and V	iolence																
					Heal	th Risk	Behavi	or and	Percen	ntages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
			studen cial me								ıllied th	rough te	exting, I	nstagra	m,			
										21.9	16.4	25.0	25.1	22.7	22.9	No linear change	No quadratic change	No change
			f studen							for >=2	2 weeks	in a rov	v so that	they st	opped			
						36.7	35.0	35.9	32.1	32.1	31.7	42.5	40.9	46.7	51.6	Increased, 2003-2021	No change, 2003-2011 Increased, 2011-2021	No change
QN26	: Perce	ntage of	f studen	ts who s	seriousl	y consid	lered att	temptin	g suicid	le (durii	ng the 1	2 month	s before	e the su	rvey)			
			26.1			21.0	18.3	17.8	16.9	18.0	19.2	20.6	19.4	21.3	24.7	No linear change	Decreased, 1997-2009 Increased, 2009-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN27 the sur		ntage of	studen	ts who i	nade a j	plan abo	out how	they w	ould atte	empt su	icide (d	uring th	e 12 m	onths be	efore			
			21.4			14.8	13.4	13.8	14.2	14.5	14.3	18.1	15.9	17.2	18.7	No linear change	Decreased, 1997-2004 Increased, 2004-2021	No change
QN28 survey		ntage of	studen	ts who a	actually	attemp	ted suic	ide (one	or mor	e times	during	the 12 r	nonths 1	before t	he			
			9.1			10.3	11.2	9.2	9.1	10.8	9.2	12.9	9.3	9.3	12.3	No linear change	No quadratic change	No change
						icide at 2 month				n injury	, poisor	ning, or	overdo	se that h	nad to			
			2.2			3.6	3.1	3.2	3.2	4.1	3.2	5.3	3.4	2.6	4.3	No linear change	No quadratic change	No change

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

Femal Tobac	e co Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN30:	Percei	ntage of	studen	ts who	ever trie	d cigar	ette smo	king (e	ven one	or two	puffs)							
			76.3			72.4	58.7	62.4	57.1	57.0	44.9	46.8	39.8	29.3	26.5	Decreased, 1997-2021	Decreased, 1997-2013 Decreased, 2013-2021	No change
QN31:	Percei	ntage of	studen	ts who i	first trie	d cigare	ette smo	king be	fore age	e 13 yea	ırs (eve	n one or	two pu	ffs)			_	
													14.2	9.0	11.8	No linear change	Not available <sup>§</sup>	No change
QN32:		ntage of	studen	ts who	currentl	y smoke	ed cigar	ettes (or	n at leas	t 1 day	during	the 30 d	ays bef	ore the				
			45.3			33.4	26.0	25.8	23.1	21.4	15.5	18.0	14.0	7.2	4.2	Decreased, 1997-2021	Decreased, 1997-2017 Decreased, 2017-2021	No change
	CIG: Pefore th			udents v	who cur	rently s	moked	cigarett	es frequ	ently (c	on 20 or	more d	ays duri	ng the 3	30			
			24.8			18.8	13.5	14.2	12.0	10.5	6.3	6.8	5.4	2.4	1.0	Decreased, 1997-2021	Decreased, 1997-2017 Decreased, 2017-2021	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.

Tobac	co Use				Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from
																		2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QNDA the sur		Percer	ntage of	student	ts who c	currently	smoke	d cigare	ettes dai	ly (on a	ıll 30 da	ys duri	ng the 3	0 days 1	before			
			19.6			15.2	9.9	10.8	8.9	8.1	4.6	5.5	3.9	1.9	0.8	Decreased, 1997-2021	Decreased, 1997-2017 Decreased, 2017-2021	No change
						more the				y (on th	ne days	they sm	oked dı	aring the	e 30			
			22.0			16.0	14.5	13.0	8.5	15.8	9.4	5.2	5.8	4.6	10.5	Decreased, 1997-2021	No quadratic change	No change
						ed an ele							vapes,	vape pe	ens,			
e-cigai	18, 6-110	okans, i	iookaii j	pens, an	iu iiious	i [sucii a	SJUUL	, SIVIOI	x, Suoi	iii, vust	, and of	iu] <i>)</i>						
												39.5	41.7	54.5	48.9	Increased, 2015-2021	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 Tobace	-																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	_		
pens, e	-cigars	, e-hook	ahs, ho		ens, and						ncluding n, Vuse,							
												23.3	11.3	24.0	26.6	Increased, 2015-2021	Not available <sup>§</sup>	No change
				tudents survey		rrently u	ised elec	etronic	vapor p	roducts	frequen	tly (on	20 or m	ore day	'S		-	
												2.0	1.2	7.5	9.1	Increased, 2015-2021	Not available	No change
QNDA days be			_	f studen	ts who	currently	y used e	lectron	ic vapoi	produc	cts daily	(on all	30 days	s during	the 30	-		
												1.1	0.8	5.2	7.6	Increased, 2015-2021	Not available	No change
				ents who		ntly smo	ked ciga	arettes o	or used	electror	nic vapo	r produ	ets (on	at least	1 day			
												27.3	17.0	24.7	26.6	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.

Femal Tobac	e co Use				Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from
										_						_		2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
dissolv	able to		roducts	[such a	s Coper	hagen,	Grizzly	, Skoal,			obacco, s], not c				vapor			
													3.1	2.0	1.7	No linear change	Not available§	No change
					-						_							
snus, c	r dissol		bacco p	products	s [such a	as Cope	nhagen,	Grizzl	y, Skoa	l, or Ĉa	ently (ch mel Snu y)				dip,			
													0.9	0.1	0.6	No linear change	Not available	No change
															,			
or diss	olvable		produ	ets [sucl	h as Coj	enhage	n, Grizz	zly, Sko	al, or C		y (chew nus], 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.

Fema Tobac	le co Use																	
					Heal	th Risk	Behav	ior and	Percen	ntages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
			f studen e survey		currentl	y smoke	ed cigar	s (cigar	s, cigari	illos, or	little ci	gars, on	at least	1 day o	luring			
						12.6	9.0	11.1	9.5	11.0	7.6	10.2	7.6	4.6	3.0	Decreased, 2003-2021	No change, 2003-2015 Decreased, 2015-2021	No change
							oked cig s before			s or use	d smoke	eless tol	oacco oi	electro	nic			
													18.6	25.1	27.0	Increased, 2017-2021	Not available <sup>§</sup>	No change
					who cu		smoked	cigars	frequen	tly (ciga	ars, ciga	rillos, c	or little c	igars, o	on 20		_	
						0.7	0.9	1.1	0.4	1.3	1.7	0.8	0.8	0.8	0.9	No linear change	No quadratic change	No change

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

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

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991 1	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QNTB2:		entage	of stude	ents who	curren	tly smo	ked cig	arettes o	or cigars	s (on at	least 1	day duri	ng the 3	30 days	before			
-		entage	of stude	ents who	o curren	36.7	ked cigs	arettes of 27.7	or cigars	23.4	least 1 o	day duri 20.5	ng the 3	9.3	before 6.2	Decreased, 2003-2021	Decreased, 2003-2017 Decreased, 2017-2021	No change
QNTB2: the surve	ey)  CGR:	: Perce	entage o	f studen	its who	36.7	27.8	27.7	24.5	23.4	18.2	20.5	15.9	9.3	6.2	,	,	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.

Alcon	or and v	Other I	nug Os	SC .	Healt	th Risk	Behavi	ior and	Percen	itages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN40:	Percei	ntage of	studen	ts who l	nad thei	r first d	rink of a	alcohol	before a	age 13 y	ears (ot	her than	a few	sips)				
			22.6			21.3	24.7	21.3	18.9	16.1	16.8	13.5	15.3	13.0	13.3	Decreased, 1997-2021	No quadratic change	No change
_		ntage of e the sur		ts who	currently	y drank	alcohol	(at leas	st one di	rink of	alcohol,	on at le	ast 1 da	y durin	g the	-		
			44.5			44.2	36.8	40.1	35.2	33.3	28.0	31.2	28.6	23.1	19.8	Decreased, 1997-2021	No change, 1997-2007 Decreased, 2007-2021	No change
were fo	emale o		r more o	drinks o	f alcoho						ore drink couple							
													13.8	8.6	8.9	Decreased,	Not available§	No change

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

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

Femal Alcoh		Other I	Orug Us	se														
					Heal	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
							e largest		er of dri	nks the	y had in	a row v	was 10 d	or more				
														1.9	1.7	No linear change	Not available§	No change
QN45	Perce	ntage of	studen 44.0	ts who e	ever use	ed marij	uana (oi 32.6	ne or m	ore time	es durin 34.8	g their 30.6		32.9	31.6	24.6	Decreased, 1997-2021	No quadratic change	Decreased
QN46:	Perce	ntage of	studen	ts who t	ried ma	rijuana	for the	first tin	ne befor	e age 13	3 years					-		
			6.8			8.2	6.4	6.9	6.9	6.6	6.0	6.3	5.8	6.1	6.4	No linear change	No quadratic change	No change
QN47:	Perce	ntage of	studen	ts who c	currently	y used r	narijuar	na (one	or more	times o	during t	he 30 da	ays befo	ore the s	urvey)			
			23.3			19.5	13.4	15.4	12.5	17.4	15.3	16.9	16.7	14.8	12.8	Decreased, 1997-2021	No quadratic change	No change

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

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

Alcoho	ol and (	Other L	Orug Us	se	Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN48:	Percei	ntage of	studen	ts who e	ever use	d synth	etic mar	ijuana (	(one or	more tii	mes dur	ng their	· life)					
												11.6	7.5	4.4	6.3	Decreased, 2015-2021	Not available§	No change
than h	ow a do	ctor tole	d them t		(counti	ng drug					a doctor xyConti				rently			
than h	ow a do	ctor tole	d them t	to use it	(counti	ng drug									rently 13.6	No linear change	Not available	No change
than he Percoc	ow a do et, one	ctor tole or more	d them to times of	to use it during th	(countineir life	ng drug ) d inhala	s such a	s codei	ne, Vice	odin, O		n, Hydr	ocodon 11.9	e, and 10.9	13.6	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.

					Heal	th Risk	Behavi	ior and	Percer	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
		ntage of heir life		ts who e	ever use	d heroii	n (also d	called "	smack,"	' "junk,'	" or "Ch	ina Whi	te," one	or mor	e			
												3.1	1.6	0.8	1.4	No linear change	Not available§	No change
					ever use their lif		ampheta	amines	(also ca	lled "sp	eed," "c	rystal m	eth," "c	rank," '	"ice,"			
							ampheta	amines	(also ca	lled "sp	eed," "c	rystal m	eth," "c	1.3	"ice,"	No linear change	Not available	No change
or "me	Percei	or mon	student	during ts who e	their lif	e)				_	eed," "c			1.3	1.2	No linear change	Not available	No change
or "me	Percei	or mon	student	during	their lif	e)				_				1.3	1.2	No linear change	Not available  Not available	No change
QN55 body,	Percei pone or n	ntage of	student student	ts who eng their	ever injo	ected an	y illega	l drug (	used a ı	needle t		any ille	gal drug 2.0	1.3 g into th	1.2 reir 1.2			

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

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

# Kentucky High School Survey Trend Analysis Report

Female Sexual Behaviors

Sexua	l Behav	iors																
					Heal	th Risk	Behav	ior and	Percen	ıtages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN57:	Percei	ntage of	f studen	ts who	ever had	d sexual	interco	urse										
			50.3			54.3	44.6	51.5	47.8	51.9	43.3	41.4	36.5	40.4	32.4	Decreased, 1997-2021	No change, 1997-2011 Decreased, 2011-2021	Decreased
QN58:	Percei	ntage of	f studen	ts who l	had sex	ual inter	course	for the	first tim	e before	e age 13	years			,	-		
			3.4			3.7	4.1	5.8	4.0	5.5	3.2	4.1	1.8	2.1	3.1	Decreased, 1997-2021	Increased, 1997-2007 Decreased, 2007-2021	No change
QN59:	Percei	ntage of	f studen	ts who l	had sex	ual inter	course	with fo	ır or mo	ore pers	ons duri	ng thei	life					
			12.6			13.7	10.6	13.9	10.7	16.3	10.5	10.2	7.6	7.2	5.9	Decreased, 1997-2021	No change, 1997-2011 Decreased, 2011-2021	No change
			f studen before th			rrently	sexually	active	(had se	xual inte	ercourse	with a	t least o	ne perso	on,			
			38.3			42.4	34.5	39.6	36.1	40.9	32.3	29.6	28.9	30.7	23.8	Decreased, 1997-2021	No change, 1997-2011 Decreased, 2011-2021	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.

Femal Sexua	le I Behav	iors																
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
-		_	studen ly activ		drank al	cohol o	r used d	lrugs be	fore las	t sexual	interco	urse (ar	nong stu	ıdents v	vho			
			19.4			17.1	14.4	17.2	18.0	12.4	13.6	16.4	17.3	11.9	14.8	No linear change	No quadratic change	No change
	: Perce		studen	ts who	ısed a c	ondom	during l	ast sexi	ual inter	course	(among	student	s who v	vere cur	rently	-		
			49.7			56.9	61.4	52.6	54.5	46.4	45.1	43.8	44.3	45.6	42.3	Decreased, 1997-2021	Increased, 1997-2004 Decreased, 2004-2021	No change
-	Percent	_		ts who	were ev	er tested	l for hu	man im	munode	ficienc	y virus (	HIV) (r	ot cour	ting tes	ts		_	
	·		·									12.9	10.3	10.1	5.4	Decreased, 2015-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN66	Perce	ntage of	f studen	ts who	describe	d thems	selves a	s slightl	y or ver	y overv	weight							
			38.0			39.9	37.2	37.5	36.5	36.7	35.5	38.8	39.6	39.3	36.4	No linear change	No quadratic change	No change
_							eight (>= the 2000					centile	for bod	y mass i	index,	<del> </del>		
_												rcentile 19.2	for body	y mass i	17.5	Increased, 2003-2021	No quadratic change	No change
based  QNOE	on sex-	and age	e-specif	ic reference in the ref	ence dat	a from t 16.1 d obesit	the 2000	15.2 5th perc	growth o	26.6 16.6	17.0	19.2	17.3	20.3	17.5	,	No quadratic change	No change

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

<sup>§</sup>Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
_	Perce	_	studen	ts who	did not o	drink fru	iit juice	(100%	fruit ju	ices one	e or mor	e times	during	the 7 da	ıys			
						27.0	26.5	27.9	24.7	25.6	27.2	28.6	32.3	35.6	31.9	Increased, 2003-2021	No change, 2003-2011 Increased, 2011-2021	No change
QN69	Perce	ntage of	studen	ts who	did not	eat fruit	(one or	more ti	imes du	ring the	7 days	before t	he surv	ey)		-		
						16.2	19.8	16.6	17.4	15.1	11.5	11.3	12.9	16.4	16.4	Decreased, 2003-2021	Decreased, 2003-2015 Increased, 2015-2021	No change
					o did no the sur	t eat fru vey)	it or dri	nk 100	% fruit j	uices (s	such as	orange j	uice, ap	ple juic	e, or	-		
						7.8	9.2	8.5	8.0	7.0	5.8	5.8	6.2	9.0	7.8	No linear change	Decreased, 2003-2015 Increased, 2015-2021	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.

weigi	nt Mana	igemen	t and D	netary .		ors th Risk	Behavi	or and	Percen	ıtages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
	1: Percapple ju									one or m	nore tim	es per d	ay (sucl	n as ora	nge			
						44.6	46.8	46.3	49.9	49.1	55.7	52.7	45.1	46.7	44.9	No linear change	Increased, 2003-2013 Decreased, 2013-2021	No change
	2: Percapple ju									wo or n	nore tim	es per d	ay (suc	n as ora	nge	-		
						19.0	21.3	19.9	24.5	21.5	23.5	21.9	17.5	21.6	16.9	Decreased, 2003-2021	No change, 2003-2013 Decreased, 2013-2021	Decreased
QN70	: Percei	ntage of	student	ts who	did not	eat gree	n salad	(one or	more ti	mes dui	ring the	7 days	before t	he surve	ey)			
						33.3	44.3	42.0	40.7	40.8	41.9	43.2	45.1	46.8	45.9	Increased, 2003-2021	No quadratic change	No change

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

Weigh	nt Mana	ngemen	t and D	oietary l		ors th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN71	Percei	ntage of	student	ts who d	did not	eat pota	toes (on	e or mo	re time	s during	g the 7 d	lays bef	ore the	survey)				
						26.3	22.6	22.5	22.7	24.8	27.8	28.2	33.7	39.5	38.5	Increased, 2003-2021	No change, 2003-2009 Increased, 2009-2021	No change
QN72	Percei	ntage of	student	ts who d	did not	eat carro	ots (one	or more	e times	during t	the 7 da	ys befoi	e the su	rvey)				
						59.5	60.6	60.5	58.7	61.5	56.0	55.7	62.2	64.0	66.9	Increased, 2003-2021	Decreased, 2003-2015 Increased, 2015-2021	No change
QN73		ntage of	student	ts who	did not	eat other	r vegeta	bles (oı	ne or me	ore time	s during	g the 7 o	lays bef	ore the				
						15.8	15.1	17.7	19.8	19.4	17.6	18.0	20.5	22.9	22.5	Increased, 2003-2021	No quadratic change	No change

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

			v uzu 2	ietary l		th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
											es [exclu e survey		rench fr	ies, frie	d			
						5.3	4.8	4.8	4.6	5.2	4.8	6.5	8.5	9.9	9.1	Increased, 2003-2021	No change, 2003-2011 Increased, 2011-2021	No change
											green sa e 7 days				ng	-		
						57.9	58.5	58.9	60.0	55.2	56.5	58.8	51.9	47.4	47.8	Decreased,	No change, 2003-2015	
						31.9	30.3	30.7	00.0	20.2						2003-2021	Decreased, 2015-2021	No change
						vegetabl	es two o	or more	times p	er day (	green sa e 7 days				ng	2003-2021		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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
	EG3: Pe fries, fi														ling			
						8.8	11.7	9.9	11.2	11.9	9.3	11.1	8.4	8.6	7.2	Decreased, 2003-2021	No change, 2003-2015 Decreased, 2015-2021	No change
	: Percei												oke, Pep	si, or S	prite,			
								17.2	20.0	17.8	23.2	24.7	24.7	27.2	21.1	Increased, 2007-2021	Increased, 2007-2017 No change, 2017-2021	Decreased
	DDA1: 1												times p	er day (	such			_

<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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
											op two		times p	er day (	such			
								28.2	23.3	24.7	22.0	22.5	17.5	15.5	17.0	Decreased,	No quadratic change	No change
																2007-2021		
QN75	: Perce	ntage of	studen	ts who	lid not o	drink mi	lk (duri	ing the	7 days b	efore th	ne surve	y)					_	
QN75	: Perce	ntage of	studen	ts who c	lid not o	drink mi	lk (duri	ing the	7 days b	pefore tl	he surve	y) 26.5	32.0	37.0	45.2	Increased, 2013-2021	Not available <sup>§</sup>	Increased
QNM glass (	ILK1: I	Percenta rom a c	ge of st	udents or with c	who dra	nk one	or more	glasses	per day	y of mil		26.5	milk th	ey dran	k in a	Increased,	Not available <sup>§</sup>	Increase

<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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
a glass	ILK3: Ps or cup, the 7 da	from a	carton,	or with														
											6.4	3.9	4.5	4.3	3.3	Decreased, 2013-2021	Not available <sup>§</sup>	No change
QN76	: Percer	ntage of	student	ts who c	lid not e	eat breal	kfast (dı	iring the	e 7 days	s before	the sur	vey)				_		
									13.5	13.4	11.9	12.4	16.1	16.4	22.3	Increased.	No change, 2009-2015	· ·
									13.3	13.4	11.7	12.7	10.1	1011		2009-2021	Increased, 2015-2021	Increased
QNBI	 K7DAY:	Perce	ntage of	student	ts who a	nte breal	kfast on	all 7 da		-						,		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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
of phy		tivity th	studen at incre															
		•								29.0	30.8	29.9	30.8	30.3	36.5	Increased, 2011-2021	No quadratic change	Increase
day (ir	any ki	nd of pl	ntage of nysical a ore the s	activity														
day (ir	any ki	nd of pl	nysical a	activity												Decreased, 2011-2021	No quadratic change	No chang
lay (ir luring QNPA kind o	any king the 7 d	nd of plays before Perceival active	nysical a	activity survey)	that inc	reased t	heir hea	active a	and mad	23.9 50 minu	23.6	18.8 day on a	22.9 all 7 day	22.5  ys (in ar	18.0	,	No quadratic change	No chan

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
_	: Perce	_		ts who a	attended	l physic	al educa	ntion (P	E) class	es on 1	or more	days (i	in an av	erage w	eek			
			25.5			25.8	20.1	24.4	23.7	26.5	26.7	31.1	23.7	24.5	31.1	No linear change	No quadratic change	No change
	YPE: 1		nool)	tudents	who att	ended p		educati	on (PE)		on all			erage w	/eek			
				tudents	who att	ended p	hysical	educati 16.6	on (PE)	classes	on all 3	6 days (	in an av	erage w	zeek 20.7	No linear change	No quadratic change	No change
when QN80	: Perce	re in scl	16.9 Studen	ts who j	who attroduced conths be	19.0	14.3 st one s	16.6	16.1	15.3	16.1	19.3	13.1	14.7	20.7	No linear change	No quadratic change	No change

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

						III KISK	Benavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991 1	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN84: P he 12 m					aw a de	entist (fo	or a chec	ck-up, e	exam, te	eth clea	aning, o	r other o	dental w	ork, du	ring			
								71.6	68.4	69.8	72.5	71.5	76.8	73.4	72.8	Increased, 2007-2021	No quadratic change	No change
QNNOD: vork)	ONT:	Percent	age of s	students	who ne	ever saw	a denti	ist (for a	a check-	-up, exa	ım, teetl	cleani	ng, or o	ther den	ital			
								2.6	1.8	2.7	2.2	2.1	1.8	2.1	1.3	No linear change	No quadratic change	No change

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

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

Femal Site-A																		
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	Percei		studen	ts who ı	usually	did not	sleep in	their pa	arent's o	r guard	ian's ho	me (dui	ing the	30 days	3			
		3,											4.4	3.7	4.9	No linear change	Not available§	No change
						drank a					one or m	ore tim	es per d	ay (cou	nting			
up, oc	rtica, a		.vorea s	parking	g water,	, uuring	the 7 de	., 5 0010	ine the s	ai (cy)			62.2	63.6	62.7	No linear change	Not available	No change
						drank a , during					wo or m	nore tim	es per d	lay (cou	inting			
													53.0	54.7	52.8	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.

## **Kentucky High School Survey Trend Analysis Report**

**Female** Site-Added **Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QNWATER3: Percentage of students who drank a bottle or glass of plain water three or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) 38.8 41.0 37.4 No linear change Not available§ No change QN92: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) 28.0 22.5 22.6 30.0 No linear change Not available Increased QN93: Percentage of students who currently used an electronic vapor product on school property (on at least 1 day during the 30 days before the survey) 15.1 12.9 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.

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

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

# **Kentucky High School Survey Trend Analysis Report**

					Healt	th Risk	Behavio	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	_													-				
							ottle or	glass o	f plain v	water (c	counting	tap, bo	ttled, a	nd unfla	vored			
						lrink a b survey)		glass o	f plain v	water (c	counting	g tap, bo	ttled, an	nd unfla	vored 5.4	No linear change	Not available <sup>§</sup>	No change
								glass o	f plain v	water (c	counting	g tap, bo				No linear change	Not available <sup>§</sup>	No change
sparkli	ng wate	er, durir	ng the 7	days be	fore the	survey						-	5.5	7.1		No linear change	Not available <sup>§</sup>	No change

33.3 35.1 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.

Site-A	uucu				Healt	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
_		ntage of	student	s who c	lo not h	ave an a	adult in	their lif	e that th	hey trust a	and can	ı talk to	about	serious				
QN97: problei		ntage of	student	ts who c	lo not h	ave an a	adult in	their lif	e that tl	hey trust a		talk to	about :	serious 17.1	17.0	No linear change	Not available <sup>§</sup>	No change
problei	ns										15.3	16.5	10.6	17.1		No linear change	Not available <sup>§</sup>	No change
N98:	ns Percer		student							hey trust a	15.3	16.5	10.6	17.1		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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
times		he 30 da								had been								
											5.7	4.8	3.8	4.0	1.8	Decreased, 2013-2021	Not available <sup>¶</sup>	No change
										or other ehicle d								
											36.0	37.3	34.8	31.3	36.2	No linear change	Not available	No change
										hen the			only fo	r huntin	g or			

<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.

Injur	y and V	iolence			Healt	th Risk	Behavi	or and	Percen	ıtages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
			f student						ey felt	unsafe a	t schoo	l or on t	heir wa	y to or f	rom			
SCHOO	(On at	icast i c	iay uui ii	ing the 3	ou days i	berore t	iie sui ve	=y)										
														8.7	7.0	No linear change	Not available¶	No change
			,					,				,		8.7	7.0	No linear change	Not available¶	No change
			f student							pon on s	school p	roperty	(such a			No linear change	Not available	No change
										pon on s	school p	roperty 5.1	(such a			No linear change  No linear change	Not available	No change
or clu	o, one o	r more t	6.5	ring the	e 12 mor	nths bef	fore the 7.7	survey)	7.3	5.6	5.1	5.1	6.3	s a gun, 6.3	knife,			
or clui	e, one o	r more t	6.5 f student	ring the	e 12 mor	nths bef	fore the 7.7	survey)	7.3	5.6	5.1	5.1	6.3	s a gun, 6.3	knife,			

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

White Injury		iolence	<b>:</b>															
					Heal	th Risk	Behavi	ior and	Percer	ntages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
going o	out witl ourse] tl	n to do a	sexual t did not	nts who on the hings [content to some one of the hings are not to some of the h	ounting do, on	such the	ings as re times	kissing during	, touchi the 12	ng, or b months	eing ph	ysically	y forced	to have	sexual			
											8.6	8.8	5.9	6.7	13.0	No linear change	Not available <sup>¶</sup>	Increased
someo with a	ne they n object	were d	ating or pon] or	ats who of going one or mong the 12	out with ore time	[counti s during	ng such the 12	things months	as bein	g hit, sl	ammed	into so	mething	, or inju				
											8.4	8.0	7.9	7.5	6.8	No linear change	Not available	No change
QN23:	Perce	ntage of	f studen	its who	were bu	llied on	school	propert	y (ever	during	the 12 r	nonths	before t	ne surve	ey)	<del>.</del>		
									21.3	19.0	21.7	23.4	21.6	25.0	16.3	No linear change	No change, 2009-2017 Decreased, 2017-2021	Decreased

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

White Injury	* v and V	iolence																
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
							ally bull months				ıllied th	rough te	exting, l	nstagra	m,			
										17.5	13.3	17.8	19.3	18.8	18.5	Increased, 2011-2021	No quadratic change	No change
							less (alr			for >=2	weeks	in a rov	v so tha	t they st	opped			
						30.1	28.5	29.0	26.6	27.0	24.5	30.6	29.1	36.7	41.0	Increased, 2003-2021	Decreased, 2003-2013 Increased, 2013-2021	No change
QN26	Percei	ntage of	studen	ts who s	seriousl	y consid	dered att	temptin	g suicid	e (durir	ng the 12	2 month	s before	e the su	rvey)			
			22.3			17.9	15.7	14.7	14.1	14.2	14.6	14.9	14.4	18.1	19.7	Decreased, 1997-2021	Decreased, 1997-2009 Increased, 2009-2021	No change

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

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

Injury	and V	iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN27: the sur		ntage of	student	s who i	nade a j	plan abo	out how	they w	ould atte	empt su	icide (d	uring th	e 12 mo	onths be	efore			
			17.1			14.3	11.6	11.6	11.7	13.8	11.8	13.1	12.5	15.3	14.9	No linear change	Decreased, 1997-2007 Increased, 2007-2021	No change
QN28: survey		ntage of	student	s who a	actually	attemp	ted suic	ide (one	or mor	e times	during	the 12 r	nonths l	oefore tl	he			
			7.6			9.3	8.9	7.1	8.2	9.2	6.7	8.1	6.3	7.0	8.0	No linear change	No quadratic change	No change
						icide at 2 month				n injury	, poisor	ning, or	overdos	se that h	nad to			
			2.3			2.9	2.7	2.2	3.3	3.8	2.3	3.5	2.0	2.3	2.8	No linear change	No quadratic change	No change

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

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

White Tobac	* co Use				Heal	th Risk	Behavi	ior and	Percen	itages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	_		
QN30:	Perce	ntage of	studen	ts who	ever trie	ed cigar	ette smo	king (e	ven one	or two	puffs)	•				,		
			77.0			71.3	60.9	62.2	59.1	59.7	46.8	44.5	41.5	31.6	27.5	Decreased, 1997-2021	Decreased, 1997-2011 Decreased, 2011-2021	No change
ON31:	Perce	ntage of	studen	ts who t	first trie	d cigare	ette smo	king he	fore age	e 13 vea	ors (eve	n one or	two nu	ffs)		·		
QIIJI.	I CICC																	
			Studen	ts who i	mst ure	a cigure	otte sino	ing oc	rore ag	<i>3</i> 13 yea	iis (eve	i one or	•	,				
				ts who i	inst tire	d eigure	otte silio	ing oc	1010 ug	, 13 y C	iis (eve	i one or	15.0	11.4	12.3	No linear change	Not available¶	No change
	Perce				currentl								15.0	11.4	12.3	No linear change	Not available¶	No change
QN32: survey	Perce												15.0	11.4	5.3	No linear change  Decreased, 1997-2021	Not available¶  Decreased, 1997-2017 Decreased, 2017-2021	
survey QNFR	Percei	ntage of	studen 47.7	ts who		y smoke	ed cigar 27.4	ettes (o. 27.0	n at leas	et 1 day 25.1	during 18.9	the 30 d	15.0 ays bef	11.4 ore the 9.7	5.3	Decreased,	Decreased, 1997-2017	No change

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

White Toba	e* cco Use																	
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QND. the su		Percer	ntage of	student	s who c	currently	smoke	ed cigar	ettes dai	ly (on a	ıll 30 da	ys durii	ng the 3	0 days	before	,		
			23.5			16.0	11.8	11.3	10.1	9.0	5.9	4.7	4.2	2.3	1.0	Decreased, 1997-2021	Decreased, 1997-2011 Decreased, 2011-2021	No change
						more the				y (on th	ne days	they sm	oked dı	iring th	e 30		_	
			26.7			17.0	18.9	14.2	14.8	16.8	11.0	6.5	6.8	9.2	4.3	Decreased, 1997-2021	No quadratic change	No change
-		_				ed an ele s [such a							vapes,	vape pe	ens,			
												40.6	45.0	55.7	45.7	Increased.	Not available¶	Decreased

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

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

White Tobac																		
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
pens, e	-cigars,	, e-hook	cahs, ho		ens, and						cluding , Vuse,							
					,							22.8	14.4	28.1	22.4	No linear change	Not available¶	Decreased
						rrently u	ised elec	ctronic	vapor p	roducts	frequen	tly (on	20 or m	ore day	S	-	-	
				tudents e survey		rrently u	ised elec	ctronic	vapor p	roducts	frequen	3.4	20 or m	ore day	9.0	Increased, 2015-2021	Not available	Decreased
during QNDA	the 30 o	days be	fore the	e survey	v)						frequent	3.4	2.8	12.8	9.0	,	Not available	Decreased
during QNDA	the 30 o	days be	fore the	e survey	v)							3.4	2.8	12.8	9.0	,	Not available  Not available	Decreased No change
QNDA days b	YEVP: efore the 5: Perco	Perce e surve	ntage of y)	f studen	o currer	currentl	y used e	lectron	ic vapor	produc		3.4 (on all 2.1	2.8 30 days 2.0	12.8 during 9.8	9.0 the 30 7.5	2015-2021  Increased,		

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

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

White <sup>s</sup> Tobac	* co Use																	
					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
dissolv	able to	bacco p	roducts	[such a		hagen,	Grizzly	, Skoal,			obacco, s s], not c				vapor			
													10.9	6.8	4.1	Decreased, 2017-2021	Not available <sup>¶</sup>	Decreased
snus, o	r dissol	vable to	bacco j	products		as Cope	nhagen,	Grizzl	y, Skoa	l, or Ca	ently (ch mel Snu ey)				dip,	-		
													5.2	2.5	1.5	Decreased, 2017-2021	Not available	No change
or diss	olvable	tobacco	produ	cts [suc]		penhage	n, Grizz	zly, Sko	al, or C		y (chew nus], no					_	_	
													3.9	2.2	1.1	Decreased, 2017-2021	Not available	No change

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

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

White Tobae	e* cco Use																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	: Perce				currently	y smoke	ed cigars	s (cigar	s, cigari	llos, or	little ciş	gars, on	at least	1 day c	luring			
						18.4	14.9	14.7	17.0	16.4	11.9	12.2	10.9	7.3	3.7	Decreased, 2003-2021	Decreased, 2003-2017 Decreased, 2017-2021	Decreased
						ntly smo 30 days				s or use	d smoke	eless tob	acco or	electro	onic			
	<b>F</b>	- (0		,	8				-57				24.6	29.1	23.1	No linear change	Not available¶	Decreased
	CGR:					rrently (	smoked	cigars	frequent	ly (ciga	ars, ciga	rillos, o	r little c	igars, o	on 20			
01 1110	ic cays		50 <b>u</b> .	., 5 0010		1.4	2.4	1.3	1.7	2.0	1.3	1.1	0.9	1.6	0.8	Decreased, 2003-2021	No quadratic change	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.

Tobac	co Use				Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
	:		-															
.7		entage	of stude	ents who	curren	tly smo	ked cig	arettes o	or cigars	s (on at	least 1	day duri	ng the 3	30 days	before			
		entage	of stude	ents who	o curren	atly smo	ked cig 29.9	arettes of 29.5	or cigars	28.5	least 1 o	day duri 20.6	ng the 3	30 days	before 7.0	Decreased, 2003-2021	Decreased, 2003-2017 Decreased, 2017-2021	Decreased
the sur	vey)	: Perce		f studen	its who	38.7	29.9	29.5	30.4	28.5	22.1	•	17.8	12.2	7.0	,	,	Decreased

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

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

Alcon	ol and (	Julier L	rug Os		Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change fron 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN40:	Percei	ntage of	studen	ts who l	nad thei	r first d	rink of a	alcohol	before a	ige 13 y	ears (ot	her thar	a few	sips)	:			
			29.3			26.4	28.8	24.8	21.5	19.4	17.5	14.3	16.1	14.7	13.7	Decreased, 1997-2021	No quadratic change	No change
	Percei			ts who	currently	y drank	alcohol	(at leas	st one di	rink of a	alcohol,	on at le	ast 1 da	y durin	g the	-		
			49.1			46.7	38.6	41.0	38.5	35.2	30.5	29.1	28.7	23.9	18.9	Decreased, 1997-2021	Decreased, 1997-2017 Decreased, 2017-2021	Decreased
were f		r five o	r more o	drinks o	f alcoho	y were l											_	
													14.4	11.4	8.7	Decreased, 2017-2021	Not available¶	No change

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

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

White		Other I	Orug U	se														
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
				ts who i					er of dri	nks the	y had in	a row	was 10	or more				
														3.9	2.3	Decreased, 2019-2021	Not available <sup>¶</sup>	Decreased
QN45:	Perce	ntage o	f studen	ts who	ever use	ed marij	uana (oi	ne or m	ore time	es durin	g their l	life)				-		
			46.2			43.6	33.7	33.9	30.4	35.8	31.7	31.8	29.9	29.5	20.9	Decreased, 1997-2021	No quadratic change	Decreased
QN46:	Perce	ntage of	f studen	ts who t	tried ma	rijuana	for the	first tim	ne befor	e age 1	3 years							
			8.3			10.9	9.6	9.3	8.7	8.4	7.0	5.3	6.4	5.8	4.7	Decreased, 1997-2021	No change, 1997-2004 Decreased, 2004-2021	No change
QN47:	Perce	ntage o	f studen	ts who	currentl	y used r	narijuar	na (one	or more	times o	during t	he 30 da	ays befo	ore the s	survey)			
			26.8			21.4	15.4	15.3	15.2	17.8	16.0	16.1	14.6	14.5	10.2	Decreased, 1997-2021	No quadratic change	Decreased

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

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

			Drug Us		Heal	th Risk	Behavi	ior and	Percer	itages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN48	Perce	ntage o	f studen	ts who e	ever use	d synth	etic ma	rijuana	(one or	more ti	mes duri	ng thei	r life)		:			
												9.1	7.2	5.3	5.2	Decreased, 2015-2021	Not available¶	No change
																2013 2021		
than h	ow a do	octor tol		to use it	(counti	ing drug					a doctor xyConti				rently	2013 2021		
than h	ow a do	octor tol	d them	to use it	(counti	ing drug									rently 9.4	No linear change	Not available	No chang
Percoo	ow a do et, one	octor tol or more	d them	to use it during to ts who e	(counti heir life	ing drug	ants (sn	iffed gli	ine, Vic	odin, O		n, Hydr	9.7	9.9	9.4		Not available	No chang

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

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

White Alcoh		Other I	Orug Us	se	Heal	th Risk	Behavi	ior and	l Percei	ntages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from
																		2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
		ntage of heir life		ts who	ever use	d heroii	n (also	called "	smack,	" "junk,	" or "Ch	ina Wh	ite," one	or moi	e	•		
												2.3	0.9	1.1	1.0	Decreased, 2015-2021	Not available <sup>¶</sup>	No change
					ever use their lif		ampheta	amines	(also ca	ılled "sp	eed," "c	rystal n	neth," "o	erank,"	"ice,"		_	
														1.4	0.8	No linear change	Not available	No change
		ntage of				ected an	y illega	l drug (	(used a	needle t	o inject	any ille	gal drug	g into th	eir			
													1.7	1.3	0.8	Decreased, 2017-2021	Not available	No change
		ntage of the sur		ts who	were off	fered, so	old, or g	given an	illegal	drug or	school	propert	y (durir	g the 1	2	-		
			34.2			31.0	19.7	26.9	25.1	23.4	18.7	20.1	21.0	23.5	18.2	Decreased, 1997-2021	Decreased, 1997-2013 No change, 2013-2021	Decreased

<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.

# **Kentucky High School Survey Trend Analysis Report**

	l Behav	1015			Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN57:	Percer	ntage of	student	ts who e	ver had	sexual	interco	urse						-				
			50.8			51.4	43.9	48.3	46.6	50.4	43.5	40.8	37.5	38.7	31.1	Decreased,	No change, 1997-2011	Decreased
																1997-2021	Decreased, 2011-2021	
QN58:	Percer	ntage of		ts who h	nad sexu	ıal inter	course f	for the f	irst time	e before	e age 13	years				1997-2021	Decreased, 2011-2021	
QN58:	Percer	ntage of		ts who l	nad sexu	ual inter	course t	for the f	First time	e before	e age 13	years 3.4	2.9	2.5	3.1	Decreased, 1997-2021	No change, 1997-2007 Decreased, 2007-2021	No change
			student 5.6			5.0	6.8	6.5	5.5	5.4		3.4		2.5	3.1	Decreased,	No change, 1997-2007	No change

38.4 32.2 35.2 32.5 37.0 32.0 30.1 28.3 28.6 22.4

37.0

Decreased

Decreased, 1997-2017

Decreased, 2017-2021

Decreased,

1997-2021

<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.

# **Kentucky High School Survey Trend Analysis Report**

White <sup>,</sup> Sexual	* l Behav	iors			Haak	dh Dial-	Dahan	:	Donoon	4						Linear Change	Overductio Change	Change from
					Hean	tn Kisk	Benav	ior and	Percen	itages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
									-					1 .	•			
-		_			drank al	cohol o	r used o	drugs be	fore las	t sexual	interco	urse (ar	nong st	udents v	who			
-	Percer urrently	_			drank al	cohol o	r used o	lrugs be	efore las 22.4	t sexual	interco	urse (ar 14.4	nong st	14.5	vho 13.1	Decreased, 1997-2021	No quadratic change	No change
were co	urrently	sexual	ly active 27.4	e)	drank al	21.9	19.9	19.5	22.4	15.2	16.8	14.4	17.5	14.5	13.1	,	No quadratic change	No change

10.1 10.0 10.2 7.2

Decreased

Not available¶

Decreased, 2015-2021

<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.

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN66	: Perce	ntage of	studen	ts who	describe	d thems	selves a	s slightl	y or ver	ry overv	veight	:	:					
			32.2			34.9	34.4	32.0	30.7	30.6	32.8	33.3	34.3	36.5	34.4	No linear change	No quadratic change	No change
						overwe a from t						rcentile	for bod	y mass	index,	No linear change	No quadratic change	No change
based QNOI	on sex-	and age	e-specifi	ic refere	ence dat	a from t	16.4 y (>= 9.	15.4 5th perc	growth of	charts)¶	15.7	16.2	15.6	18.7	16.0	No linear change	No quadratic change	No chang

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

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

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

Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Heal	th Risk	Behavi	or and	Percen	itages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change fron 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
	Percei		studen	ts who	did not	drink fr	iit juice	(100%	fruit ju	ices one	or mor	e times	during	the 7 da	iys			
						25.7	28.1	29.3	27.6	26.8	29.5	28.3	31.5	34.3	34.8	Increased, 2003-2021	No change, 2003-2015 Increased, 2015-2021	No change
QN69	Perce	ntage of	studen	ts who	did not	eat fruit	(one or	more t	imes du	ring the	7 days	before t	the surv	ey)				
						17.7	20.7	18.6	18.3	18.3	13.5	14.2	16.4	18.4	18.8	No linear change	Decreased, 2003-2015 Increased, 2015-2021	No change
		entage uring th				t eat fru vey)	it or dri	nk 100	% fruit j	juices (s	such as	orange j	uice, ap	ple juic	e, or			
		-	·			9.7	11.4	10.3	9.9	9.3	6.9	7.3	8.2	10.6	10.4	No linear change	Decreased, 2003-2015 Increased, 2015-2021	No change

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

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

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
			of stude grape ju							ne or m	ore time	es per d	ay (sucl	as ora	nge			
						46.3	49.1	46.2	49.7	49.0	54.2	52.1	48.1	46.4	45.5	No linear change	Increased, 2003-2013 Decreased, 2013-2021	No change
																	200104804, 2018 2021	
			of stude							wo or m	nore time	es per d	ay (sucl	n as ora	nge			
										wo or m	nore time	20.3	ay (sucl	n as ora	nge 16.2	Decreased, 2003-2021	Increased, 2003-2013 Decreased, 2013-2021	No change
juice,	apple ju	ice, or g	grape ju	ice, dur	ing the	7 days t 19.4	22.4	20.4	23.2	22.2		20.3	19.5	19.0	16.2	,	Increased, 2003-2013	No change

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

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

					Healt	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 5
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN71	: Perce	ntage of	student	ts who	did not e	eat pota	toes (on	e or mo	ore time	s during	g the 7 d	lays bef	ore the	survey)				
						24.7	22.8	22.5	20.8	24.6	25.7	27.7	33.3	36.7	35.4	Increased, 2003-2021	No change, 2003-2009 Increased, 2009-2021	No change
QN72	: Perce	ntage of	student	ts who	did not e	eat carro	ots (one	or more	e times	during t	the 7 da	ys befo	re the su	ırvey)				
						59.3	58.7	59.7	57.4	58.2	54.6	56.5	61.8	62.5	64.9	Increased, 2003-2021	No change, 2003-2013 Increased, 2013-2021	No change
QN73 survey		ntage of	student	ts who	did not e	eat other	r vegeta	bles (or	ne or mo	ore time	s during	g the 7 o	days bet	ore the				
-						17.4	19.2	20.1	20.7	21.8	21.0	20.3	22.6	24.3	24.7	Increased, 2003-2021	No quadratic change	No change

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

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

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
							vegetabl es, durir						rench fr	ies, frie	d			
						5.9	6.9	6.2	6.0	6.1	5.7	7.3	9.3	11.0	9.9	Increased, 2003-2021	No change, 2003-2011 Increased, 2011-2021	No change
							les one o								ng			
						56.1	58.5	58.4	59.7	56.6	57.4	59.0	50.8	48.1	47.5	Decreased, 2003-2021	No change, 2003-2015 Decreased, 2015-2021	No change
									timaa	or dou	aroon s	alad no	tatoes [	eveludi	nσ			
	EG2: Pe fries, fi						es two o								115			

<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.

J		8		oietary l		th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
											(green e 7 days				ling			
						10.4	13.0	10.5	10.4	11.7	10.9	10.8	8.7	7.9	6.7	Decreased, 2003-2021	No change, 2003-2015 Decreased, 2015-2021	No change
											pop (suc survey)	ch as Co	oke, Pej	osi, or S	prite,		-	
								16.0	17.8	16.8	21.5	23.2	22.4	24.3	20.9	Increased, 2007-2021	Increased, 2007-2015 No change, 2015-2021	No change
											op one o		times p	er day (	such	<u> </u>		

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
						ank a ca oda or o								er day (	(such			
								32.7	28.0	27.8	26.1	24.1	21.9	18.6	19.8	Decreased,	No quadratic change	No chang
																2007-2021	1 2	
QN75	Percei	ntage of	studen	ts who	lid not o	drink mi	ilk (duri	ng the	7 days b	efore th		y)				2007-2021		
 QN75	Percer	ntage of	studen	ts who c	lid not o	drink mi	ilk (duri	ing the	7 days b	pefore th		y) 19.7	24.9	30.1	37.1	2007-2021 Increased, 2013-2021	Not available¶	Increase
QNM.	LK1: I	Percenta	ige of st	udents or with c	who dra	drink mi	or more	glasses	s per da	y of mil	ne surve 20.5	19.7	24.9	ney dran	ık in a	Increased,		

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

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

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
a glas		from a	carton,	or with						ay of m nilk serv								
											10.9	9.4	7.3	7.1	4.8	Decreased, 2013-2021	Not available¶	Decreased
QN76	: Percei	ntage of	student	s who c	lid not e	eat breal	kfast (dı	iring th	e 7 days	s before	the sur	vey)						
									14.6	14.6	11.2	12.0	14.0	16.0	20.0	Increased.	Decreased, 2009-2015	Increased
									14.0	14.0	11.2	12.0				2009-2021	Increased, 2015-2021	mcreased
QNBI	K7DAY:	: Perce	ntage of	student	ts who a	ate breal	kfast on	all 7 da		ing the			he surve	ey)		,	,	mcreased

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
of phy		tivity th				ysically t rate an												
		•								40.1	41.6	37.9	42.6	38.1	45.9	No linear change	No quadratic change	Increased
day (iı	n any ki	nd of pl		ectivity		lid not preased t												
										19.4	18.4	15.3	17.2	18.2	15.4	No linear change	No quadratic change	No change
	f physic	al activ				were phy heart ra												
before	uic sui	3 /																

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

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

nts who attended	physical	2004 al educa 25.0	`	<b>2009</b> E) class	<b>2011</b> ses on 1	2013	<b>2015</b> e days (	<b>2017</b> in an av	2019 erage w	2021			
•	1 2		`	E) class	ses on 1	or more	e days (	in an av	erage w	eek			
	34.9	25.0								CCK			
		20.0	29.2	32.8	33.9	33.6	36.1	30.0	28.9	33.2	No linear change	No quadratic change	No chang
students who atte	ended ph	nysical	educati	on (PE)	) classes	on all 5	5 days (	in an av	erage w	eek			
	24.5	17.9	20.3	24.2	20.3	19.3	22.1	19.6	17.5	23.9	No linear change	No quadratic change	No change
 nt	s who played or	24.5 s who played on at leas	24.5 17.9 s who played on at least one s	24.5 17.9 20.3	24.5 17.9 20.3 24.2 s who played on at least one sports team (cou	24.5 17.9 20.3 24.2 20.3 s who played on at least one sports team (counting a	24.5 17.9 20.3 24.2 20.3 19.3 s who played on at least one sports team (counting any team	24.5 17.9 20.3 24.2 20.3 19.3 22.1 s who played on at least one sports team (counting any teams run by	24.5 17.9 20.3 24.2 20.3 19.3 22.1 19.6 s who played on at least one sports team (counting any teams run by their so	24.5 17.9 20.3 24.2 20.3 19.3 22.1 19.6 17.5 s who played on at least one sports team (counting any teams run by their school or	s who played on at least one sports team (counting any teams run by their school or	24.5 17.9 20.3 24.2 20.3 19.3 22.1 19.6 17.5 23.9 No linear change s who played on at least one sports team (counting any teams run by their school or	24.5 17.9 20.3 24.2 20.3 19.3 22.1 19.6 17.5 23.9 No linear change No quadratic change s who played on at least one sports team (counting any teams run by their school or

<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.

					Healt	th Risk	Behavio	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
	Percer				aw a de	entist (fo	or a chec	ck-up, e	xam, te	eth clea	aning, o	r other o	dental w	ork, du	ring			
								71.7	71.2	69.4	70.3	73.1	75.8	75.0	73.8	Increased, 2007-2021	No quadratic change	No change
NN( vork)	DDNT:	Percent	age of s	tudents	who ne	ever saw	v a denti	st (for a	check-	-up, exa	ım, teetl	n cleani	ng, or o	ther den	ntal	_		
								2.2	1.7	2.5	1.7	1.4	1.9	1.3	0.8	Decreased, 2007-2021	No quadratic change	No change
QN86	Percer	ntage of	student	ts who g	got 8 or	more h	ours of s	sleep (o	n an av	erage so	chool ni	ght)	:					
												25.7	22.6	20.2	20.4	Decreased,	Not available¶	No change

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

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

# Kentucky High School Survey Trend Analysis Report

White\* Site-Added **Health Risk Behavior and Percentages** Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2019-2021 § 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey) 3.6 No linear change Not available ¶ No change 4.1 QNWATER1: Percentage of students who drank a bottle or glass of plain water one or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) 61.6 63.5 63.8 No linear change Not available No change QNWATER2: Percentage of students who drank a bottle or glass of plain water two or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) 50.8 54.5 54.5 No linear change Not available No change

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

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

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

Not enough years of data to calculate.

# Kentucky High School Survey Trend Analysis Report

White\* Site-Added **Health Risk Behavior and Percentages** Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2019-2021 § 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QNWATER3: Percentage of students who drank a bottle or glass of plain water three or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) 38.8 No linear change Not available ¶ No change QN92: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) 17.5 21.5 No linear change Not available No change QN93: Percentage of students who currently used an electronic vapor product on school property (on at least 1 day during the 30 days before the survey) 20.9 12.5 Decreased, Not available Decreased

2019-2021

<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.

# **Kentucky High School Survey Trend Analysis Report**

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
			, 1													:		
								glass o	f plain v	water (c	counting	tap, bo	ttled, aı	nd unfla	vored			
						drink a b survey		glass o	f plain v	water (c	counting	tap, bo	ttled, aı	nd unfla	6.3	No linear change	Not available¶	No chang
								glass o	f plain v	water (c	counting	tap, bo				No linear change	Not available¶	No chang
sparkli	ng wate	r, durin	ig the 7	days be	efore the		)						7.7	8.4		No linear change	Not available¶	No chang

26.1 25.2 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.

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

White Site-A																		
					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN97:		ntage of	f studen	ts who	do not h	ave an a	adult in	their lif	e that th	ney trus	t and ca	n talk to	about	serious				
										•								
proble	1115									•	14.6	13.3			14.2	No linear change	Not available¶	No change
QN98:	Perce	ntage of		ts who i	reported	there is	s at least	t one tea	acher or	other a	14.6		11.5	15.3		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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
times	: Perceiduring to	he 30 da														;		
		• •									4.6	8.2	3.9	4.6	6.5	No linear change	Not available <sup>¶</sup>	No change
	: Percei													re the su		No linear change	Not available	No chang
QN13	: Percei									hen they before th			only fo	r huntin	g or	-		
forac																		

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN14:	Perce	ntage of	studen	ts who c	did not g	go to scl before t	hool bed	cause th	ey felt ı	unsafe a	t schoo	l or on t	heir wa	y to or i	rom			
school	(On at )	icast i c	iay duri	ing the 3	o days	octore t	iic sui ve	<i>-</i> y)										
														9.7	16.9	No linear change	Not available <sup>¶</sup>	No chang
														9.7	16.9	No linear change	Not available <sup>¶</sup>	No chang
						reatened				oon on s	school p	roperty	(such a			No linear change	Not available¶	No chang
										9.9	school p	roperty	(such a			No linear change	Not available¶	No chang
			imes du			nths bef	ore the	survey)	)					s a gun,	knife,			
or club QN17:	Perce	r more t	5.3	ring the	e 12 mo	nths bef	Fore the 8.8	survey) 9.7	8.9	8.9	3.4	18.7	9.7	s a gun,	knife,			

<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.

•		iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
going interco	out witl ourse] tl	n to do s nat they	sexual tl did not	ts who e hings [c want to omeone	ounting do, one	such the or more	ings as e times	kissing, during	touching the 12 r	ng, or be	eing phy	ysically	forced	to have	sexual			
											15.8	14.8	4.0	7.7	13.9	No linear change	Not available¶	No chang
somed with a	ne they n object	were da or wea	ating or pon] on	ts who e going one e or mo	out with ore times	[counti s during	ng such the 12	things months	as being	g hit, sla	ammed i	into son	nething,	or inju				
somed with a	ne they n object	were da or wea	ating or pon] on	going one or mo	out with ore times	[counti s during	ng such the 12	things months	as being	g hit, sla	ammed i	into son	nething,	or inju		No linear change	Not available	No chang
someowith a	ne they n object out with	were da tor weat someon	ating or pon] on ne durin	going one or mo	out with ore times 2 month	[counti s during s before	ng such the 12 the sur	things months vey)	as being before	g hit, sla the surv	ammed in vey, amount 18.4	into son ong stud	nething, lents when the second	or injurated	15.0	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.

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

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
						ectronicate the 12					llied th	ough te	exting, I	nstagrai	m,			
										14.0	10.7	10.3	11.3	15.4	11.1	No linear change	No quadratic change	No change
						or hope 12 mon										No linear change	No quadratic change	No change
																No linear change  Increased, 2003-2021	No quadratic change  No quadratic change	No change
doing	some us	sual acti	vities, e	ever dur	ing the	12 mon	ths before 21.8	30.9	23.0	for >=2 26.1	weeks	in a row 37.5	28.1	they st	opped 30.3	Increased,		

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

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

<u></u>	unu v	iolence			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN27 the sur		ntage of	student	s who r	nade a j	plan abo	out how	they w	ould att	empt su	icide (d	uring th	e 12 mo	onths be	efore			
			12.1			14.7	10.2	10.6	13.6	12.9	14.2	17.5	13.4	19.3	12.8	No linear change	No quadratic change	No change
QN28 survey		ntage of	student	s who a	actually	attempt	ed suici	ide (one	e or mor	e times	during	the 12 r	nonths l	pefore the	he	-		
			1.8			18.1	9.6	9.7	8.8	19.9	8.9	17.5	14.5	15.4	10.6	Increased, 1997-2021	Increased, 1997-2004 No change, 2004-2021	No change
						icide at 2 month				n injury	, poisoi	ing, or	overdos	se that h	ad to			
			0.0			8.4	1.4	2.3	3.2	8.1	5.7	6.5	7.0	8.6	4.0	Not available	Not available¶	No change

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

Black* Fobac	* co Use																	
					Heal	th Risk	Behavi	ior and	Percen	itages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN30:	Perce	ntage of	studen	ts who e	ever trie	d cigare	ette smo	king (e	ven one	or two	puffs)			:				
			79.4			67.7	47.4	61.5	55.7	53.9	45.9	35.5	27.8	20.9	21.0	Decreased, 1997-2021	No quadratic change	No change
ON31:	Perce	ntage of	studen	ts who f	first trie	d cigare	ette smo	king be	fore age	e 13 vea	ırs (ever	one or	two pu	ffs)				
QN31:	Perce	ntage of	studen	ts who f	first trie	d cigare	ette smo	king be	fore age	e 13 yea	ars (ever	n one or	_		19 <i>.</i> 4	No linear change	Not available¶	No change
(N31:	Perce	ntage of	studen	ts who f	first trie	d cigare	ette smo	king be	fore age	e 13 yea	ars (ever	n one or	two pu 15.3	ffs) 11.7	19.4	No linear change	Not available¶	No change
QN32:	Perce	-									during		15.3	11.7	19.4	No linear change	Not available¶	No change
	Perce	-								st 1 day		the 30 d	15.3	11.7	19.4	No linear change  Decreased, 1997-2021	Not available¶  No quadratic change	No change
QN32: curvey	Percer)	ntage of	33.4 ge of str	ts who c	currently	y smoke	ed cigar 14.9	ettes (o	n at leas	st 1 day 14.4	during	the 30 d	15.3 lays bef	11.7 ore the 4.9	1.8	Decreased,		

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

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

Black' Tobac	* co Use																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QNDA the sur		Percer	itage of	student	ts who c	currently	smoke	d cigare	ettes dai	ly (on a	ıll 30 da	ys durii	ng the 3	0 days 1	before			
			9.2			0.7	4.7	3.3	2.6	4.7	3.3	1.9	0.3	2.3	1.8	Decreased, 1997-2021	No quadratic change	No change
						ed an ele							vapes,	vape pe	ens,			
	,	,	,	,,		[		, 2	-, ~	,	,	42.3	41.7	40.2	40.3	No linear change	Not available¶	No change
QN35:	Percei	ntage of	studen	ts who	currentl	y used a	n electr	onic va	por prod	duct (in	cluding	e-cigare	ettes, va	apes, va	pe			
pens, e	e-cigars,	, e-hook	ahs, ho		ens, and	mods [s												
												24.7	7.3	13.0	20.2	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
			age of st			rrently u	ised elec	ctronic	vapor p	roducts	frequen	tly (on	20 or m	ore day	'S			
uurme	the 30	days oc	Tore the	sui vey	,												_	
												0.0	0.3	3.0	7.2	Not available	Not available¶	No change
												0.0	0.3	3.0	7.2	Not available	Not available	No change
_		: Perce	_	f studen	ts who	currently	y used e	lectron	ic vapoi	produc	cts daily					Not available	Not available¶	No change
_			_	f studen	ts who	currently	y used e	lectron	ic vapor	produc	ets daily					Not available  Not available	Not available	No change
days t	efore th	e surve	y)									(on all 0.0	30 days	s during	the 30 5.5			
days b	efore th	centage	y)	ents who	o curren	currently						(on all 0.0	30 days	s during	the 30 5.5			

<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.

1 obac	co Use				Heal	th Risk	Behavi	or and	Percen	ıtages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
dissol	able to	bacco p	roducts		s Copei	nhagen,	Grizzly	, Skoal,				snuff, dip ounting a			vapor	,		
													6.4	2.3	3.3	No linear change	Not available <sup>¶</sup>	No change
												ewing to			dip,			
snus, o	or dissol	vable to	obacco j		s [such	as Cope	nhagen,	Grizzl	y, Skoa	l, or Ca	mel Snu	newing to			dip,			
snus, o	or dissol	vable to	obacco j	products	s [such	as Cope	nhagen,	Grizzl	y, Skoa	l, or Ca	mel Snu				dip, 1.8	No linear change	Not available	No change
electro  QNDA  or diss	or dissolonic vap  AYSKL olvable	vable to or prod	ntage of	products 20 or n	ts who chas Co	as Cope ys durin currently	nhagen, g the 30 y used s	Grizzl days b mokele	y, Skoa efore the ss tobac oal, or C	l, or Can ne surve	mel Snu yy) y (chew		0.3	g any 1.7 uuff, dip	1.8 , snus,	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.

Black* Tobac	co Use																	
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
			studen survey		currentl	y smoke	ed cigar	s (cigar	s, cigari	llos, or	little ci	gars, on	at least	1 day c	luring			
						22.5	18.2	17.3	16.7	20.0	18.8	17.7	7.8	8.7	6.2	Decreased, 2003-2021	No change, 2003-2015 Decreased, 2015-2021	No change
_		_				-	ked ciga before			s or use	d smoke	eless tol	pacco oi	electro	nic	-	<del>-</del>	_
		`		Ĭ	C	Ĭ			•				12.7	13.4	19.5	No linear change	Not available¶	No change
					who cu		smoked	cigars	frequent	tly (ciga	ars, ciga	rillos, o	or little o	eigars, o	on 20			
						2.1	2.9	7.7	1.0	4.7	5.4	4.5	0.7	2.2	2.6	No linear change	No quadratic change	No change

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

Tobac	co Use				Heal	th Risk	Behavi	or and	Percen	ıtages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
_		entage	of stude	ents who	curren	tly smo	ked cig	arettes (	or cigar	s (on at	least 1 d	day duri	ing the 3	30 days	before			
QNTB the sur		entage	of stude	ents who	curren	tly smo	ked ciga 23.6	arettes of	or cigara	s (on at 21.3	least 1 o	day duri 16.0	ing the 3	80 days 8.3	before 5.6	Decreased, 2003-2021	No change, 2003-2013 Decreased, 2013-2021	No change
the sur	vey)	: Perce		f studen	its who	25.7	23.6	19.3	20.6	21.3	21.6	16.0	C	8.3	5.6	,	<b>U</b> ,	No change

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

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

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN40:	Percer	ntage of	studen	ts who l	nad thei	r first dı	ink of a	lcohol	before a	ige 13 y	ears (ot	her thar	a few	sips)	•			
			38.9			29.3	28.1	21.1	19.6	20.9	26.6	17.4	16.6	14.6	13.2	Decreased, 1997-2021	No quadratic change	No change
		ntage of		ts who	currently	y drank	alcohol	(at leas	st one dr	ink of a	alcohol,	on at le	ast 1 da	y durin	g the		_	
			44.6			29.3	27.1	35.2	31.2	23.7	27.7	18.6	9.9	18.4	12.7	Decreased, 1997-2021	No quadratic change	No change
were fo	emale o	r five o	r more o		f alcoho						ore drink couple							

<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.

					Healt	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
					reported 30 days				er of dri	nks they	y had in	a row v	was 10 c	or more				
														2.2	1.9	No linear change	Not available <sup>¶</sup>	No change
QN45	Perce	ntage of	studen	ts who e	ever use	d mariji	uana (oi	ne or m	ore time	es durin	g their l	ife)						
QN45	Perce	ntage of	studen 63.4	ts who e	ever use	ed mariji 43.5	uana (oi 40.0	ne or m	ore time	es durin	g their l	ife) 40.4	44.6	40.8	30.9	Decreased, 1997-2021	No quadratic change	No change
			63.4		ever use	43.5	40.0	42.1	37.7	43.4	46.0		44.6	40.8	30.9	,	No quadratic change	No change
			63.4		,	43.5	40.0	42.1	37.7	43.4	46.0 3 years		44.6	40.8	30.9	,	No quadratic change  No quadratic change	No change
QN46	Perce	ntage of	63.4 Estuden 18.7	ts who t	ried ma	43.5 rijuana 17.3	40.0 for the 13.3	42.1 first tim 13.7	37.7 ne befor 12.3	43.4 e age 13 14.3	46.0 3 years	9.3	11.2	11.3	12.0	1997-2021		

<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.

Aicoll	ol and (	Other I	Orug Us	se	Healt	th Risk	Behavi	ior and	Percen	ntages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN48:	Percei	ntage of	f studen	ts who e	ever use	d synth	etic ma	rijuana	(one or	more ti	mes dur	ing thei	· life)		:			
												13.1	6.9	7.0	10.9	No linear change	Not available¶	No change
																-		
than ho	w a do	ctor tol		to use it	(counti	ng drug					a doctor xyConti				rently			
than ho	w a do	ctor tol	d them t	to use it	(counti	ng drug									rently 13.0	No linear change	Not available	No change
than he Percoc	ow a do et, one Percei	ctor tol or more	d them to times of	to use it during to ts who e	(counti	ng drug ) ad inhala	ants (sni	as codei	ne, Vic	odin, O		n, Hydi	12.5	12.8	13.0	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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	Percer			ts who e	ever use	d heroin	a (also c	alled "s	smack,"	"junk,'	or "Chi	ina Whi	te," one	or mor	e			
												9.8	3.7	2.6	4.4	No linear change	Not available <sup>¶</sup>	No change
					ever use their lif		mpheta	mines (	also cal	lled "sp	eed," "c	rystal m	eth," "c	rank," '	'ice,"			
or "me	eth," one	e or moi	re times	during	their lif	e)								4.6	4.3	No linear change	Not available	No chang
or "me	eth," one	e or mor	re times	during	their lif	e)					eed," "c			4.6	4.3	No linear change	Not available	No change
or "me	eth," one	e or mor	re times	during ts who e	their lif	e)								4.6	4.3	No linear change	Not available  Not available	No change
OR "me QN55 QN56 QN56	Percei	ntage of more tim	studen studen es duri	ts who engine	ever inje	ected any	y illegal	drug (t	used a n	needle to		any ille	gal drug 3.3	4.6 g into th 4.6	4.3 eir 4.1			

<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.

Black*	
Sexual I	<b>Behaviors</b>

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN57:	Perce	ntage of	studen	ts who	ever had	l sexual	interco	urse										
			81.3			60.0	67.8	65.1	59.1	62.4	51.1	42.7	41.2	41.1	23.3	Decreased, 1997-2021	No quadratic change	Decreased
QN58:	Perce	ntage of	studen	ts who l	nad sexu	ıal inter	course	for the f	irst tim	e before	e age 13	years				_		
			23.8			12.0	17.5	17.6	12.8	14.6	11.1	9.5	6.0	6.2	5.7	Decreased, 1997-2021	No quadratic change	No change
QN59:	Perce	ntage of	studen	ts who l	nad sexu	ıal inter	course	with for	ır or mo	ore pers	ons duri	ng their	life			_		
			39.5			29.1	27.6	30.7	18.7	28.0	18.9	16.0	10.9	12.2	7.3	Decreased, 1997-2021	No quadratic change	No change
			student before th			rrently s	exually	active	(had se	xual inte	ercourse	with at	least or	ne perso	on,			
			61.0			45.0	45.1	46.0	40.5	46.7	28.2	28.5	31.8	27.1	17.0	Decreased, 1997-2021	No quadratic change	No change

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

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

# **Kentucky High School Survey Trend Analysis Report**

Black\* **Sexual Behaviors Health Risk Behavior and Percentages** Linear Change<sup>†</sup> Quadratic Change<sup>†</sup> Change from 2019-2021 § 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN82: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) Not available<sup>¶</sup> 15.4 16.5 14.5 5.3 Decreased, Decreased 2015-2021

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN66	Perce	ntage of	studen	ts who	describe	d thems	selves a	s slightl	y or ver	ry overv	veight				:			
			35.3			21.8	23.5	25.1	26.1	24.8	31.6	21.0	33.1	25.2	28.3	No linear change	No quadratic change	No change
						,										·		
						overwe a from t						rcentile 22.9	for bod	y mass i	index,	No linear change	No quadratic change	No change
based	on sex-	and age	e-specif	ic refere	ence dat	a from t	20.7	23.1	growth 6	charts)¶ 14.8	13.3	22.9	20.3	13.6	18.1	No linear change	No quadratic change	No change
QNOI	on sex-	and age	e-specifi	ic refere	ence dat	a from t	20.7 y (>= 9	23.1 5th perc	growth 6	charts)¶ 14.8	13.3	22.9	20.3	13.6	18.1	No linear change	No quadratic change	No chang

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

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

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

Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
	: Perce		studen	ts who	did not o	drink fru	iit juice	(100%	fruit jui	ices one	or mor	e times	during	the 7 da	ys			
						25.9	20.0	24.7	14.1	26.5	25.9	24.1	31.2	24.7	23.9	No linear change	No quadratic change	No chang
QN69	: Perce	ntage of	studen	ts who	did not	eat fruit	(one or	more ti	mes du	ring the	7 days	before t	the surv	ey)		-		
						27.2	22.8	22.6	19.7	25.8	18.6	17.8	20.9	23.0	24.4	No linear change	No quadratic change	No chang
_		_			o did no	ot eat fru	it or dri	nk 1009	% fruit j	uices (s	such as	orange j	uice, ap	pple juic	e, or			_

<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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
				ents who						ne or m	ore time	es per d	ay (such	ı as oraı	nge			
						40.8	56.9	51.2	59.7	52.9	56.8	61.4	50.1	48.7	56.1	No linear change	No quadratic change	No change
ONFI				ents who						wo or m	ore time	es per d	ay (sucl	ı as oraı	nge			
	11 3													22.0	<b>20. -</b>			
	11 3					19.1	34.5	29.6	30.3	27.7	29.7	25.5	24.5	23.9	29.5	No linear change	No quadratic change	No cha
juice,		ntage of	studen	ts who d	lid not e											No linear change	No quadratic change	No char

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

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

J		J			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
QN71:	Perce	ntage of	f studen	ts who	did not	eat pota	toes (on	e or mo	ore time	s during	g the 7 d	ays bef	ore the	survey)				
						32.5	35.3	37.0	39.1	33.4	32.7	35.5	50.0	44.9	56.9	Increased, 2003-2021	No change, 2003-2013 Increased, 2013-2021	No change
QN72	Perce	ntage of	studen	ts who	did not	eat carro	ots (one	or mor	e times	during t	the 7 da	ys befoi	re the su	irvey)	•	-	_	
						60.6	71.2	66.9	68.6	68.2	65.5	69.9	68.1	69.2	75.6	No linear change	No quadratic change	No change
QN73		ntage of	f studen	ts who	did not	eat othe	r vegeta	bles (or	ne or m	ore time	es during	g the 7 o	days bef	ore the		•		_
						22.2	20.5	25.4	27.2	28.6	22.8	34.8	36.0	26.9	32.4	Increased, 2003-2021	No quadratic change	No change

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

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

					Healt	h Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
											es [excl e survey		rench fr	ies, frie	il			
						10.7	12.0	10.9	7.7	11.4	10.0	17.6	18.0	11.6	16.9	Increased, 2003-2021	No quadratic change	No change
ONVI	G1 Pe	rcentag	e of stu	dents w	ho ate v	egetabl	es one o	or more			green sa	alad, po			ng			
							or othe	r vegeta	ıbles, dı	ıring th	e 7 days	before	the sur	vey)				
							or othe 52.3	r vegeta 46.3		aring th	•	before 45.5	the sur	vey) 41.4	41.0	Decreased, 2003-2021	No quadratic change	No change
QNVI	fries, fr	rcentag	e of stu	potato	chips],  ho ate v	51.9	52.3 es two o	46.3	51.6 times p	54.6 er day (	•	45.5 alad, po	45.7	41.4 excluding		,	No quadratic change	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.

NVEG3: Perce	1995 199°	1999	2001	2003	2004	200=										
	centage of s				-007	2007	2009	2011	2013	2015	2017	2019	2021	•		
ench fries, fried	ed potatoes,												ling			
				10.5	15.8	14.5	12.6	13.9	16.7	10.0	7.8	9.7	10.0	No linear change	No quadratic change	No change
N74: Percenta ot counting diet											oke, Pep 25.6	osi, or S 29.4	prite, 23.8	Increased, 2007-2021	No quadratic change	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.

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
						ank a ca soda or c								er day	(such			
								23.8	18.4	16.1	20.2	20.5	15.1	15.9	12.7	Decreased,	No quadratic change	No change
																2007-2021	1 2	
QN75	Perce	ntage of	studen	ts who d	lid not	drink m	ilk (duri	ing the	7 days b	efore th	ne surve		,			2007-2021		
QN75	Perce	ntage of	studen	ts who d	lid not o	drink m	ilk (duri	ing the	7 days b	efore th	ne surve		34.5	32.2	45.4	No linear change	Not available <sup>¶</sup>	Increased
QNM glass (	LK1: I	Percenta rom a c	ige of st	udents v	who dra	drink m	or more	glasses	s per da	y of mil	34.9	41.0	milk th	ney dran	nk in a			

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
a glas	or cup,	, from a	nge of st carton, ore the s	or with	cereal													
											5.0	3.1	5.8	8.6	4.6	No linear change	Not available¶	No chang
QN76	: Percei	ntage of	f studen	ts who	did not	eat breal	kfast (di	uring th	e 7 day	s before			5.8	8.6	4.6	No linear change	Not available <sup>¶</sup>	No chang
QN76	: Percei	ntage of	f studen	ts who c	did not o	eat brea	kfast (d	uring th	e 7 day	s before			5.8	21.9	19.8	No linear change	Not available¶  No quadratic change	No chang  No chang
			f student						15.5	21.5	e the sur 20.3	vey) 15.7	25.7	21.9				

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

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

Black <sup>s</sup> Physic	* cal Acti	vity																
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
of phy		tivity th				ysically t rate an												
		•								37.1	31.2	30.2	33.7	35.1	40.0	No linear change	No quadratic change	No change
day (ir		nd of pl	nysical a	activity	that inc	lid not preased t												
										26.1	31.3	22.1	28.0	23.6	19.4	No linear change	No quadratic change	No change
kind o		al activ				were phy heart ra												
										18.0	15.3	18.8	16.3	20.4	23.6	No linear change	No quadratic change	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.

Physi	cal Acti	vity			Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from
																		2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
	: Perce			ts who	attended	l physic	al educa	ation (P	E) class	es on 1	or more	days (i	n an av	erage w	eek			
			41.6			36.3	26.5	41.0	31.5	42.8	36.9	46.7	33.4	42.4	44.1	No linear change	No quadratic change	No change
ONDI		Percentare in sci		tudents	who att	ended p	hysical	educati	on (PE)	classes	on all 5	days (	in an av	erage w	eek	<del> </del>		
	they we																	
	they we		24.2			16.7	13.0	17.7	16.5	18.8	19.3	21.7	16.5	19.9	21.7	No linear change	No quadratic change	No chang
when QN80	: Perce	ntage of	f studen			16.7 on at lea	st one s	ports te								No linear change	No quadratic change	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.

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
	: Percei				saw a de	entist (fo	or a che	ck-up,	exam, te	eth clea	aning, o	r other o	lental w	ork, du	ring	•		
								57.4	57.2	64.1	66.1	48.3	61.4	56.8	55.6	No linear change	No quadratic change	No chang
		Percen	tage of	students	s who ne	ever saw	a dent									No linear change	No quadratic change	No change
QNN( work)		Percen	tage of	students	s who ne	ever saw	a dent									No linear change	No quadratic change  No quadratic change	No chang
work)						ever saw		ist (for 5.6	a check	-up, exa	4.8	5.9	ng, or o	ther den	ıtal			

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

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

Black Site-A																		
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
	Percei		fstuden	ts who	usually	did not	sleep in	their pa	rent's o	r guard	ian's ho	me (dur	ing the	30 days	3			
		•											12.2	8.4	14.7	No linear change	Not available¶	No change
_			_			drank a , during		_			ne or m	nore tim	es per d	ay (cou	nting			
													52.4	54.7	61.0	No linear change	Not available	No change
						drank a , during					wo or m	nore tim	es per d	lay (cou	nting			
													45.5	49.5	56.9	No linear change	Not available	No change

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

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

Black* Site-A					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
_			_			drank a , during		_			hree or n	nore tir	nes per	day (co	unting			
													39.5	36.0	53.5	Increased, 2017-2021	Not available¶	Increased
											rithout w before t			such as				
												23.4	13.4	17.5	18.9	No linear change	Not available	No change
				ts who c		y used a	n electr	onic va	por proc	luct on	school p	roperty	(on at	least 1 d	day	·		
		-												13.4	18.2	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.

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

Site-A	* Added																	
					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
	: Percer							glass o	f plain	water (d	counting	tap, bo	ttled, aı	nd unfla	vored			
	8	,	0				,						15.1	11.8	8.7	No linear change	Not available¶	No change
QN95	: Percer	ntage of	student	ts who t	orushed	their tee	eth on a	ll 7 day	s (durin	g the 7	days be	fore the	survey	)				
_								,	(0.0	8			sarvey	,				
								70.9	79.0	72.0	70.6	61.5	64.7	66.3	66.2	Decreased, 2007-2021	No quadratic change	No change
QN96	: Percer				missed o	one or m	ore day	70.9	79.0	72.0	70.6	61.5	64.7	66.3		,	No quadratic change	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.

# Kentucky High School Survey Trend Analysis Report

Black\*
Site-Added

Health Risk Behavior and Percentages

Health Risk Behavior and Percentages

Linear Change† Quadratic Change† Change from 2019-2021 §

1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021

QN97: Percentage of students who do not have an adult in their life that they trust and can talk to about serious problems

25.0 15.4 10.0 16.3 23.4 No linear change Not available¶ No change

QN98: Percentage of students who reported there is at least one teacher or other adult in their school that they can talk

\*Non-Hispanic.

to if they have a problem

No change

<sup>62.3 68.2</sup> No linear change Not available

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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
times		he 30 da									en drink or other							
		5 /									14.3	16.8	4.0	7.3	3.6	No linear change	Not available <sup>§</sup>	No chang
											vehicle							
											40.5	49.1	26.6	36.8	31.9	No linear change	Not available	No chang
											y carried ne surve		only fo	r huntin	g or			
or a s																		

<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.

					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
						go to scl before t			ney felt	unsafe a	t schoo	or on t	heir wa	y to or i	from			
SCHOO	(on at	roust 1 c	auj uuri	ng the s	o days	octore t	iic sai v	<i>c</i>						15 1	10.9	No linear shares	Not available§	No change
														15.1	10.8	No linear change	Not available	140 Change
								-						15.1	10.8	No finear change	Not available	
_		_				reatened				pon on s	school p	roperty	(such a			No linear change	Not available	TVO Chang
_		_						survey)			•	roperty 9.5	(such a			Decreased, 2004-2021	No quadratic change	No chang
or clu QN17	b, one o	r more	times du	iring the	e 12 mo		fore the	survey) 21.6	13.7	27.3	10.4	9.5	9.2	s a gun,	knife,	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.

Hispa Injury		iolence																
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
going interco	out witl ourse] tl	n to do s nat they	sexual tl did not	hings [c want to	ounting do, one	nced sex such the e or mon the 12	ings as re times	kissing, during	touchi the 12	ng, or b months	eing ph	ysically	forced	to have	sexual			
											18.0	17.4	12.5	4.3	12.0	No linear change	Not available <sup>§</sup>	No change
someo with a	ne they n object	were da or wea	ating or pon] on	going one or mo	out with ore times	nced phy [counti s during as before	ng such the 12	things months	as being	g hit, sl	ammed	into sor	nething,	or inju				
											23.5	12.8	12.7	6.0	10.5	No linear change	Not available	No change
QN23:	Perce	ntage of	studen	ts who v	were bu	llied on	school	propert	y (ever	during	the 12 n	nonths b	efore th	ne surve	ey)			
									29.6	33.8	26.2	20.4	17.2	22.5	17.9	Decreased, 2009-2021	No quadratic change	No change

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

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

Hispa Injury	nic and V	iolence																
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
							ally bull months				ıllied th	rough te	exting, I	nstagra	m,			
										28.0	20.8	17.1	14.3	16.6	17.3	No linear change	No quadratic change	No change
							less (alr			for >=2	2 weeks	in a rov	v so tha	t they st	opped	-		
							42.8	39.8	37.9	35.5	31.5	31.4	30.0	38.6	37.9	No linear change	No change, 2004-2015 No change, 2015-2021	No change
QN26	Perce	ntage of	fstuden	ts who s	seriousl	y consid	lered att	temptin	g suicid	le (durii	ng the 1	2 month	s before	e the sur	rvey)			
							25.7	25.7	27.2	20.5	17.2	21.3	22.0	12.3	16.7	Decreased, 2004-2021	No quadratic change	No change

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

Hispaı Injury		iolence						_	_									
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN27: the sur		ntage of	student	ts who r	nade a	plan abo	out how	they w	ould att	empt su	icide (d	uring th	ne 12 mo	onths be	efore			
							16.8	24.8	20.7	17.2	20.2	15.9	17.5	13.6	14.0	No linear change	No quadratic change	No change
QN28: survey		ntage of	student	ts who a	actually	attempt	ted suici	ide (one	e or mor	re times	during 15.7	the 12 r	months 1	pefore t	he 14.7	No linear change	No quadratic change	No change
							tempt th			n injury	, poisoi	ning, or	overdo	se that h	ad to	-		
							10.8	11.3	7.5	14.8	5.3	2.6	4.7	5.2	4.2	Decreased, 2004-2021	No quadratic change	No change

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

# **Kentucky High School Survey Trend Analysis Report**

Hisnanic

					Healt	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
QN30:	Percei	ntage o	f studen	ts who	ever trie	d cigare	tte smo	king (e	ven one	or two	puffs)							
							64.0	65.3	60.4	61.6	53.2	48.6	45.7	28.1	20.2	Decreased, 2004-2021	Decreased, 2004-2017 Decreased, 2017-2021	No change
QN31:	Percei	ntage o	f studen	ts who i	first trie	d cigare	tte smo	king be	fore age	e 13 yea	nrs (evei	one or	two pu	ffs) 9.0	12.5	No linear change	Not available <sup>§</sup>	No change
QN32:	Percei		,		first trie								15.5	9.0	12.5	No linear change	Not available <sup>§</sup>	No change
QN32:	Percei		,										15.5	9.0	12.5	No linear change  Decreased, 2004-2021	Not available <sup>§</sup> No change, 2004-2011 Decreased, 2011-2021	No change
QN32: survey	Percer)	ntage o	f studen	ts who		y smoke	ed cigare	32.1	at leas	37.6	during	the 30 d	15.5 lays before 12.4	9.0 ore the 6.9	4.4	Decreased,	No change, 2004-2011	

<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.

Hispa Tobac	nic co Use																	
					Heal	th Risk	Behavi	ior and	Percen	itages						Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QNDA the sur		Percei	ntage of	studen	ts who c	currently	y smoke	d cigar	ettes da	ily (on a	all 30 da	ıys duri	ng the 3	0 days 1	before			
							24.8	11.8	6.2	21.4	6.8	9.2	1.2	1.3	0.2	Decreased, 2004-2021	No change, 2004-2011 Decreased, 2011-2021	No change
							ectronic as JUUL						, vapes,	vape pe	ens,			_
e ergu	, <b>c</b> 110	onuiio, 1	, ioonan	pens, ur		, [sach c		, 51110	11, 5401	iii, v usv	c, und o	49.4	43.5	51.7	42.7	No linear change	Not available§	No change
ON35	Perce	ntage of	f studen	ts who	currentl	v used s	an electr	onic va	nor pro	duct (in	cluding	e-cigar	ettes vs	ines va	ne			
pens, e	e-cigars	, e-hool	cahs, ho		ens, and		such as											
		-		·								25.6	16.0	23.8	19.0	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.

# Kentucky High School Survey Trend Analysis Report

Hispanic **Tobacco Use Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) 7.9 No linear change Not available§ 5.9 4.0 No change QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) 5.9 7.6 No linear change Not available No change QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) 34.0 17.1 22.5 19.1 No linear change Not available No change

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

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

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

Hispar Tobace					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
dissolv	able tol	bacco p	roducts		s Coper	hagen,	Grizzly	, Skoal,	cco (che or Cam						vapor			
													4.9	7.0	2.9	No linear change	Not available§	No change
									tobacco						dip,			
									y, Skoal efore th			s], not c	ounting	g any				
													1.2	1.3	0.3	No linear change	Not available	No change
or disso	olvable	tobacco	produ		n as Coj	penhage	n, Griz	zly, Sko	ss tobac pal, or C									
													1.2	1.3	0.3	No linear change	Not available	No change

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

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

Hispa Tobac	nic co Use																	
					Heal	lth Risk	Behavi	ior and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
			f studen e surve		currentl	ly smok	ed cigar	s (cigar	s, cigari	illos, or	little ci	gars, on	at least	1 day	during			_
							25.8	22.8	24.4	33.0	19.1	19.7	8.7	8.3	5.6	Decreased, 2004-2021	No change, 2004-2011 Decreased, 2011-2021	No change
						ntly smo				s or use	d smoke	eless tol	oacco o	r electro	onic			
													19.4	23.8	21.2	No linear change	Not available <sup>§</sup>	No change
						urrently survey)		cigars	frequen	tly (ciga	ars, ciga	rillos, o	or little o	cigars, o	on 20	<del>.</del>		
							12.9	4.8	4.6	10.5	5.8	4.5	1.4	0.6	0.3	Decreased, 2004-2021	No change, 2004-2013 Decreased, 2013-2021	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.

# Kentucky High School Survey Trend Analysis Report

Hispanic **Tobacco Use Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) 34.8 34.9 31.0 41.1 20.6 26.0 13.8 7.9 7.4 Decreased, No change, 2004-2011 No change 2004-2021 Decreased, 2011-2021 QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey) 12.0 3.3 3.7 8.9 5.8 4.5 0.2 0.6 0.3 Decreased, No quadratic change No change 2004-2021

<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.

# Kentucky High School Survey Trend Analysis Report

Hispanic **Alcohol and Other Drug Use Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) 40.8 35.9 23.1 36.9 25.8 25.5 20.6 20.1 19.6 Decreased, No quadratic change No change 2004-2021 QN41: 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) 43.4 46.3 31.7 50.6 29.0 33.4 26.1 24.2 12.7 No quadratic change Decreased. Decreased 2004-2021 QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they were female or five or more drinks of alcohol in a row if they were male, within a couple of hours, on at least 1 day during the 30 days before the survey) No linear change Not available§ 10.2 8.7 6.7 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.

Hispa Alcoh		Other I	Orug Us	se														
					Heal	th Risk	Behavi	or and	Percer	ntages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	_		
							e largest the sur		er of dri	nks the	y had in	a row v	was 10 o	or more				
														2.7	1.3	No linear change	Not available§	No change
QN45	Perce	ntage of	f studen	ts who	ever use	ed marij	uana (oi 46.6	ne or m	ore time	es durin 57.4	g their l	life) 41.5	36.9	41.0	30.4	No linear change	No quadratic change	No change
QN46:	Perce	ntage of	f studen	ts who	tried ma	rijuana	for the	first tim	ne befor	e age 1	3 years	-	-		-			
							19.1	16.8	4.1	28.7	17.8	9.4	8.5	10.7	9.9	Decreased, 2004-2021	No quadratic change	No change
QN47:	Perce	ntage of	f studen	ts who	currentl	y used r	narijuar	a (one	or more	e times o	during t	he 30 da	ays befo	ore the s	urvey)			
							29.9	23.9	20.6	41.9	22.9	19.6	16.6	20.2	15.3	Decreased, 2004-2021	No quadratic change	No change

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

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

Hispan Alcoho		Other I	Orug Us	se	Heal	th Risk	Behavi	or and	Percen	tages						Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN48:	Percei	ntage of	studen	ts who e	ever use	d synthe	etic mar	ijuana (	(one or	more tii	mes duri	ing thei	r life)					
												18.1	10.7	13.7	12.5	No linear change	Not available <sup>§</sup>	No change
than ho	ow a do	ctor tol		to use it	(counti	ng drug					a doctor xyConti				rently			
													12.5	13.8	14.2	No linear change	Not available	No change
			student								content	ts of aer	rosol sp	ray cans	s, or			
							25.1	19.1	18.0	26.7	13.2	16.0	8.2	5.6	9.1	Decreased, 2004-2021	No quadratic change	No change

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

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

,,,-	ol and (	ouiei i	or ug Os	SC .	Heal	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	: Perce			ts who	ever use	d heroii	ı (also c	alled "	smack,"	"junk,'	" or "Chi	ina Whi	te," one	or moi	e			
												8.7	3.6	3.7	5.9	No linear change	Not available§	No change
		e or moi					шрпси	illilles (	aiso cai	neu sp	eed," "c	ystai ii	icui, c	rank,	icc,			
, III														4.3	5.3	No linear change	Not available	No change
QN55	: Perce	ntage of	f studen	_	ever inje		y illega	l drug (	used a r	needle t	o inject	any ille	gal drug			No linear change	Not available	No change
QN55	: Perce	ntage of	f studen	ts who	ever inje		y illega	l drug (	used a r	needle t	o inject	any ille	gal drug			No linear change	Not available  Not available	No change
QN55 body,	: Percei	ntage of more tin	f studen nes duri	ts who ong their	ever injo	ected an					o inject		3.7	g into th	eir 4.3	-		

<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.

# Kentucky High School Survey Trend Analysis Report

**Sexual Behaviors Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN57: Percentage of students who ever had sexual intercourse 53.1 57.5 53.9 63.2 51.3 43.0 39.4 47.8 30.0 Decreased, No quadratic change Decreased 2004-2021 QN58: Percentage of students who had sexual intercourse for the first time before age 13 years 7.0 7.8 No quadratic change No change 17.9 15.6 6.2 20.5 12.3 14.3 7.0 Decreased, 2004-2021

10.7

Decreased, 2004-2021

Decreased,

2004-2021

9.8

No quadratic change

No quadratic change

No change

Decreased

22.1 25.8 19.1 32.8 19.1 19.0 9.8

33.7 41.8 41.8 52.5 33.6 30.9 25.6 37.0 19.9

QN59: Percentage of students who had sexual intercourse with four or more persons during their life

QN60: Percentage of students who were currently sexually active (had sexual intercourse with at least one person,

Hispanic

during the 3 months before the survey)

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

Hispan Sexual	nic l Behav	iors																
					Heal	th Risk	Behavi	ior and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021 †
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	Percer f they do			ts who v	were ev	er tested	l for hu	man im	munode	ficiency	y virus (	(HIV) (1	not cour	iting tes	ts			
												22.4	13.5	11.1	5.4	Decreased, 2015-2021	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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
)N66	Perce	ntage of	f studen	ts who	describe	d thems	selves a	s slightl	y or vei	ry overv	veight							
							45.3	29.1	30.6	40.3	28.4	27.2	35.7	31.5	30.2	No linear change	No quadratic change	No change
						overwe a from t	the 2000	) CDC	growth	charts)§	-					No linear shours	No quadratia abanca	No shongs
												rcentile	for body	y mass i	index,	No linear change	No quadratic change	No change
oased QNOE	on sex-	and age	e-specification age of s	ic refere	ence dat		19.1 y (>= 9:	13.8 5th perc	growth (	charts) <sup>§</sup> 29.1	17.0	11.8	19.9	17.2	14.9	No linear change	No quadratic change	No change

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

<sup>§</sup>Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

					Heal	th Risk	Behavi	or and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
_	B: Perce the sur	_	f studen	ts who	did not o	drink fr	iit juice	(100%	fruit ju	ices one	e or mor	e times	during	the 7 da	ys			
							23.7	22.4	33.7	21.7	18.9	30.2	33.1	32.3	26.2	No linear change	No quadratic change	No change
QN69	e: Perce	ntage of	f studen	ts who	did not e	eat fruit	(one or	more t	mes du	ring the	7 days	before t	the surv	ey)				
							14.7	19.8	27.1	21.6	9.8	15.8	14.5	13.2	9.6	Decreased, 2004-2021	No quadratic change	No chang
													-			<u> </u>		_
	R0: Pero						it or dri	nk 100	% fruit j	juices (s	such as	orange j	uice, ap	ple juic	e, or			

<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.

					Healt	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
							ank 1009 pefore th			one or m	nore time	es per d	ay (sucl	n as orai	nge			
							67.7	58.4	40.1	60.1	73.2	47.9	47.1	52.3	51.0	Decreased, 2004-2021	No quadratic change	No change
							ank 100° before th			wo or m	nore tim	es per d	ay (sucl	n as ora	nge			
											nore tim	es per d 26.5	ay (sucl	as ora.	nge 26.9	No linear change	No quadratic change	No change
juice,	apple ju	ice, or g	grape ju	ice, dur	ing the	7 days t	32.6	26.8	21.5	35.5		26.5	32.0	30.4	26.9	No linear change	No quadratic change	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.

Weigh	t Mana	agemen	t and D	Dietary 1		ors th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
QN71:	Perce	ntage of	studen	ts who	did not	eat pota	toes (on	e or mo	ore time	s during	g the 7 c	lays bef	ore the	survey)				
							18.9	29.3	32.3	21.1	27.8	37.1	43.4	40.0	37.8	Increased, 2004-2021	No quadratic change	No change
QN72:	Perce	ntage of	studen	ts who	did not	eat carro	ots (one	or more	e times	during t	the 7 da	ys befor	re the su	ırvey)				
							53.6	60.9	61.7	49.1	59.2	60.8	53.7	60.4	64.3	No linear change	No quadratic change	No change
QN73: survey		ntage of	studen	ts who	did not	eat other	r vegeta	bles (or	ne or mo	ore time	es during	g the 7 o	days bet	fore the				
							18.3	21.1	30.6	25.3	24.1	29.0	30.8	23.9	25.1	No linear change	No quadratic change	No change

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

					Healt	th Risk	Behavi	or and	Percen	ıtages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
			ge of stu ips], car										ench fr	ies, frie	d			
							7.0	7.9	10.7	12.9	8.9	10.9	15.9	12.2	13.1	No linear change	No quadratic change	No change
			ge of stu atoes, or						ables, d		e 7 days	before	the sur	vey)	ng 51.7	Decreased, 2004-2021	No quadratic change	No change
french QNVI	fries, fi	ried pot		r potato	chips],	carrots,	68.5	60.0 or more	stimes p	62.5 ber day	54.4 (green s	50.9 alad, po	49.4 tatoes [	52.8 excluding	51.7	,	No quadratic change	No change

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

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
						vegetabl carrots,									ling			
							21.7	23.6	16.6	16.2	10.0	14.9	14.3	13.3	11.2	Decreased, 2004-2021	No quadratic change	No change
						drink a o							oke, Pep	osi, or S	prite,	-		
								23.2	24.6	15.6	29.7	27.2	30.0	31.2	25.3	No linear change	No quadratic change	No change
													20.0			C		No change
						ank a ca												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.

		Health Risk Behavior and Percentages												Linear Change*	Quadratic Change*	Change from 2019-2021		
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	•		
			age of s										times p	er day	(such			
								26.8	23.5	29.3	14.2	16.8	15.3	13.7	15.5	Decreased,	No quadratic change	No chang
								20.0	23.3	27.3	12	10.0	10.0			2007-2021	res quadratic change	T vo Unung
QN75	: Perce	ntage of	f studen	ts who	did not	drink m	ilk (duri									,		
QN75	: Perce	ntage of	f studen	ts who d	did not o	drink m	ilk (duri						23.9	28.4	36.2	,	Not available <sup>§</sup>	No chang
QNM glass	ILK1: I	Percenta From a c	f student age of st arton, o	udents or with c	who dra	ink one	or more	ing the	7 days b	pefore the	he surve 20.6	y) 20.1 ting the	23.9 milk th	28.4	36.2 ak in a	2007-2021 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.

					Heal	th Risk	Behavi	ior and	Percen	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021			
a glas	or cup	, from a		or with		ank three												
											10.0	0.0	7.0	<b>7</b> 4			21	
											12.0	9.2	7.8	7.4	3.2	Decreased, 2013-2021	Not available <sup>§</sup>	No change
QN76	: Perce	ntage of	f student	ts who d	did not e	eat brea	kfast (dı	uring th	e 7 day	s before			7.8	7.4	3.2	,	Not available <sup>s</sup>	No change
QN76	: Perce	ntage of	student	ts who d	lid not e	eat brea	kfast (dı	uring th	e 7 day 23.4	s before	e the sur		18.0	17.9	24.4	,	Not availables  No quadratic change	No change
						eat brea			23.4	21.2	e the sur	vey) 14.6	18.0	17.9		2013-2021		

<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.

					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
of phy		tivity th					active a											
001010		5 /								33.3	33.8	38.7	31.3	34.3	35.8	No linear change	No quadratic change	No chang
day (ir	any ki	nd of pl		activity			participa heir hea									No linear change	No quadratic change	No chang
day (ir during QNPA kind o	any king the 7 days	nd of plays before Perceral active	nysical appropriate the second	activity survey)	that inc	reased t		active a	and mad	26.9 26 minu	22.1 attes per	17.1 day on	24.1 all 7 da	20.5  ys (in a	16.1 ny	No linear change	No quadratic change	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.

Hispa Physic	nic cal Acti	vity																
					Heal	th Risk	Behavi	or and	Percen	tages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
-		ntage of re in scl		ts who a	attended	l physic	al educa	ation (P	E) class	es on 1	or more	e days (	in an av	erage w	eek			
							38.1	41.1	31.2	48.7	39.4	37.6	40.6	35.4	40.5	No linear change	No quadratic change	No change
-		Percenta re in scl	_	tudents	who att	ended p	hysical	educati	on (PE)	classes	on all :	5 days (	in an av	erage w	veek			
when	uicy we	ie ili sei	1001)				17.6	15.1	17.0	20.2	16.0	23.1	19.1	18.1	21.6	No linear change	No quadratic change	No change
						on at lea			am (cou	ınting a	ny team	s run by	y their s	chool o	r			
comm	unity gi	oups, a	uring th	ie 12 mo	ontns be	efore the	48.9	53.8	44.9	47.8	56.6	56.7	41.2	42.3	37.4	Decreased, 2004-2021	No quadratic change	No change

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

Hispai Other																		
					Heal	th Risk	Behavi	or and	Percer	itages						Linear Change*	Quadratic Change*	Change from 2019-2021
1991	1993	1995	1997	1999	2001	2003	2004	2007	2009	2011	2013	2015	2017	2019	2021	-		
	Percei months			ts who s	saw a de	entist (fo	or a che	ck-up,	exam, te	eth clea	aning, o	r other	dental w	ork, du	ring			
								61.7	64.6	63.5	63.5	65.8	65.8	63.2	59.7	No linear change	No quadratic change	No change
	DDNT:	Percent	age of	students	who ne	ever sav	v a denti	st (for	a check	-up, exa	am, teetl	n cleani	ng, or o	ther der	ıtal			
work)								6.0	3.9	6.0	4.5	6.4	3.8	4.3	4.0	No linear change	No quadratic change	No change
01106												• • •						
QN86:	Percei	ntage of	studen	ts who g	got 8 or	more h	ours of	sleep (c	on an av	erage so	chool ni	ght)						
												21.3	17.6	22.3	16.3	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.

### **Kentucky High School Survey Trend Analysis Report**

Hispanic Site-Added **Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey) No linear change 11.2 7.7 9.8 Not available§ No change QNWATER1: Percentage of students who drank a bottle or glass of plain water one or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) 66.0 59.0 No linear change 55.7 Not available No change QNWATER2: Percentage of students who drank a bottle or glass of plain water two or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey)

51.8 58.6 52.8 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.

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

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

## Kentucky High School Survey Trend Analysis Report

Health Risk Behavior and Percentages

Linear Change\*
Quadratic Change\*
Change from 2019-2021\*

1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021

QNWATER3: Percentage of students who drank a bottle or glass of plain water three or more times per day (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey)

40.5 46.0 45.3 No linear change Not available\*

No change

ON92: Percentage of students who did something to purposely hurt themselves without wanting to die (such as

QN92: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey)

26.4 22.6 17.9 25.4 No linear change Not available No change

QN93: Percentage of students who currently used an electronic vapor product on school property (on at least 1 day during the 30 days before the survey)

17.7 15.1 No linear change Not available No change

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

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

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

## Kentucky High School Survey Trend Analysis Report

Hispanic Site-Added **Health Risk Behavior and Percentages** Linear Change\* **Quadratic Change**\* Change from 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN94: Percentage of students who did not drink a bottle or glass of plain water (counting tap, bottled, and unflavored sparkling water, during the 7 days before the survey) Not available§ 16.6 9.6 4.6 Decreased, No change 2017-2021 QN95: Percentage of students who brushed their teeth on all 7 days (during the 7 days before the survey) 69.7 63.7 60.2 72.5 62.9 68.2 69.5 67.3 No linear change No quadratic change No change QN96: Percentage of students who missed one or more days of school because their mental health was not good (including stress, anxiety, and depression, during the 30 days before the survey) 24.2 29.2 No linear change Not available No change

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

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

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

## **Kentucky High School Survey Trend Analysis Report**

Hispanic Site-Added **Quadratic Change\*** Change from **Health Risk Behavior and Percentages** Linear Change\* 2019-2021 † 1991 1993 1995 1997 1999 2001 2003 2004 2007 2009 2011 2013 2015 2017 2019 2021 QN97: Percentage of students who do not have an adult in their life that they trust and can talk to about serious problems Not available§ 14.2 16.7 13.0 19.5 24.3 Increased, No change

to if they have a problem No change 64.2 53.6 No linear change Not available

2013-2021

QN98: Percentage of students who reported there is at least one teacher or other adult in their school that they can talk

<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.