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GDWD IURP WKH \$ODEDPD&F&F&S&D&W&P&H&F&W\VLQ&G RQURXCEMPHQW GDWD ([F
DUH XVHG WR DQDO\]H WKH WUHQG&BF&V\K&W&D&W&R&V\Z&D&W&X&V&E&F&H RDQ&V\W&KH
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0RGH	1 \$ 0RGH	1 \$ 0RGH 1 \$
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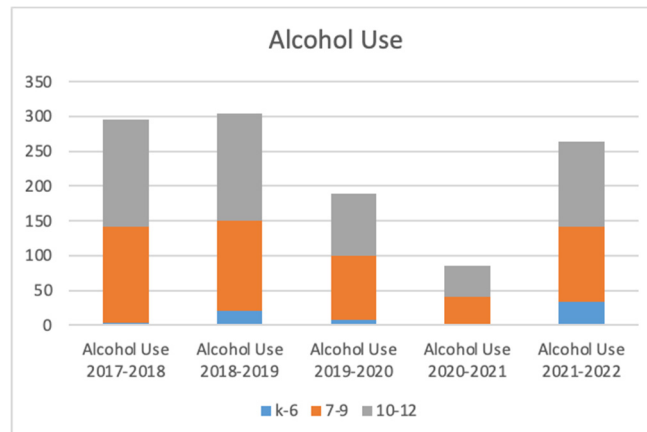
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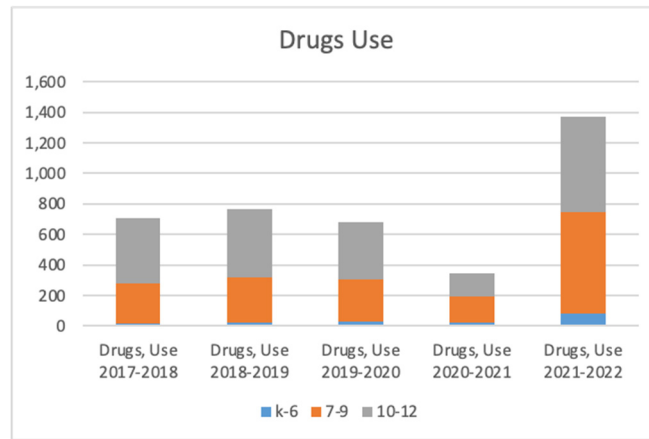
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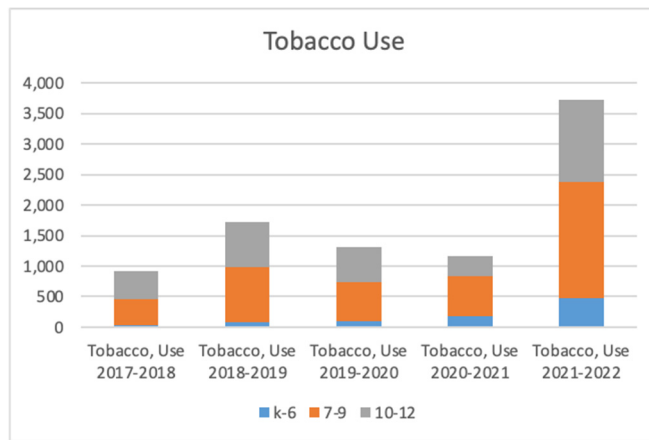
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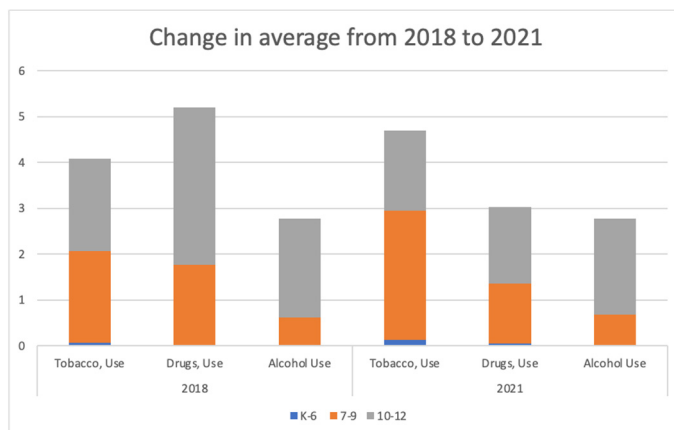


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3DLU	%	%		
3DLU	&	&		
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3DLU	% %		
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\$ N JUDGH LQWHUYDO % JUDGH LQWHUYDO &
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&RQFOXVLRQ

7KH VWXG\ FRQFOXGHV WKDW W U H I G W R B W U J (X X B / X B + W * T H < . ; S 1 Z % 0 D D O F R K R O G U X J V G B Q G L W R Q D G F R L W R / W K H B B 9 L ' : Z " H 1 4 G J Y

ORFNGRZQ DQG ZHQUW XSHDQRE DGRZQ W W S V L Q G L D Q V S U L Q J V R U J D VLJQLILFDQW GLIIHUHQFH EHWZHHQ WKH QXPEHU R R S H R S O B H Z K R R Q D C XVH WKHVH LWHPV LQ N D Q G J U D G H U L Q W H U Y D O V & S D Q R X P B % I R % WKH VFKRRO GDWD LQGLFDWHV DQ 6 Q Z I P 9 8 I R F D Q W J F K D Q X H I E Q W K H X V RI DFRKRO DQG WREDFFR DQG D V K Q L S V F D Q W G E B D Q S H L Q W K U XVH RI GUXJV WKH GDXWD R Q R W W K W W R W P X E K W D Q S R I V L Q W F R P I J S H U V R Q D C VWLOO SURYHV W K G W L W Q U H L F D Q W W Q W B R U H U Q E H * P E H I R U H D Q G G X U L Q J W K H R X W E U H D N % E G 1) J G Q L K < / ; U \$ % N Q I Y . I Z W J N :] + - 1 8

7KH UHVXOW LV FRXQWHULQWX \$ W L Y H J J & R Q W U D U \ W R W K H H [S H F W D W L R Q V W X G H Q W V G L G Q R W D E X V H D O F R K R O G U X J V D Q G W R E D F F R G X U L Q J W K H O R F N G R Z Q R I & 2 9 , ' 2 Q W K H F R Q W U D U \ W K H \ U H G X F H W K H L U X V D J H R S H W R U H Q F K L V H [F L W L Q J S K H Q R P H Q R Q L Q G L F D W H V W K D W & 2 9 ' K D G V R P H S R V I W I V H K H D O W K L P S D F W V R Q V W X G H Q W V 7 D Y R O D F F L 0 3 : R X W H U V H 9 D Q S U R E O H P E H F D P H V H Y H U H D J D L Q 9 , . . . ' p F K H O R W W H _ 3 _ 9 D Q _ + D O * 9 , . . . ' p F K H O R W W H _ 3 _ 9 D Q _ + D O *

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