HEIDE CASTAÑEDA, PhD, MPH

! "#\$%&&#"'() * '+&&#,-(.%' / 0 (-"1'2%3(".4%).'#\$'+).0"#3#\$#67' 8)-9%"&-.7'#\$':#;.0'<5#"-*(' =>?>'@(&.'<#A\$%"'+9%);%1':B / 'C?D' E(43(1'<5#"-*('FFG>?HIC??' 0,(&.())**(J;&\$%%*;'

EDUCATION

 ! OK2K1'+).0"#3#5#671'8)-9%"&-.7'#\$'+"-L#)(''

 MK! KNK1'8)-9%"&-.7'#\$'E%0(&':,0##5'#\$'!;P5-,'N%(5.0'')

 MK+K1'+).0"#3#5#671'8)-9%"&-.7'#\$'E%0(&'(.':()'+).#)-#'

 QK+K'RA-.0'N#)#"&\$1'+).0"#3#5#671'8)-9%"&-.7'#\$'E%0(&'(.':()'+).#)-#'

 MK+K':.;*-%&1'@.0)#5#671'!0-5-33&H8)-9%"&-.T.1'M("P;"61'U%"4()7'

RESEARCH AREAS

/"-.-, (5'P#"*%"'&.; *-%&1'3#5-.-, (5'() *'5%6(5'().0"#3#5#671'4%*-, (5'().0"#3#5#671'P#"*%"&1'4-6"(.-#)1'4-6"().'
0%(5.01',-.-L%)&0-31'8K: KVM%0-, #'P#"*%"1'M%0-, #1'U%"4()71'M#"#,, #'''

PUBLICATIONS

```
/\left(\$.\left(\mbox{W}\%^*\left(\mbox{1'N}\%^{-*}\%\mbox{K'}>\mbox{?CDK'}:."\left(.-\$,\left(.-\#\right)'\mbox{P7'a}\mbox{4}\mbox{4}-6"\left(.-\#\right)':.\left(.;\&['\mbox{/}\#]\right)."\left(*-,.\#"7'@0,5;\&-\#\right)'(\right)*'a\right),5;\&-\#\right)'(\$.\%"')
N% (5.0' / ("%' \ %$#" 4 K'a) '
                                                                                                                                                                                                                                                                                                                                                                                                    1'33K'
                                                                                                                            С
FDHd I K' X% A'Y#"Z['X% A'Y#"Z'8)-9%"&-.7'! "%&&K'
 / (&. (\W%* (1'\N%-*\%K'>?CG\K'\N\% (5.0' / (\"\%' (5\#)6'.0\%'8 : \VM\%O-,\#'\Q\#\"*\\"\K'a)'
 Α
                                                  K'f%)#"%'M()*%"&#)1'+)-.('N("*#)'()*'@5-L(P%.0'/(".A"-60.1'%*&K'!3K'>G]H>DFK'+P-)6*#)['
 \#;.5%*6%K'
 /\left(\$.\left(\mbox{W}\%^*\left(\mbox{1'N}\%^{-*}\%\mbox{K'}\right>?\mbox{CdK'M-0}\%^*\mbox{H}\right).\left(.;\&'<\left(\mbox{4-5-}\%\&'-\right)'.0\%'\mbox{-}\#'\mbox{U"}(\mbox{)}*\%'g\left(55\%7'\#\$'\mbox{E}\%\mbox{0}\left(\&['N\%(5.0'2-\&3("-.-\%\&'(\mbox{)}*')'.0\%'\mbox{M}')'.0\%''\right)\right)\right)
 f-$%'(5#)6'.0%'8: VM%0-,#'Q#"*%"K'a)'
                                                                                                                                                                                                                                Α
                                                                     K'+3"-5':,0;\%.0\&'()*'^{**}-\%'f(A\&.#)1'\%*\&K'!3K'C?GHCCIK':\%(..5\%['8)-9\%"\&-.7'#\$'e(&0-)6.#)'
 ! "%&&K'
 N#54\%1':\%.01'()*'N\%-*\%'/(&.(W\%*(K'>?C=K'@.0)#6"(30-,':.;*-\%&K'a)'
                                                       : A
                                                                                                                                                                                                                                                    .'tp,O-.5'/(&.(\\%*(1'+\$\#)\&\#'\\\#*"-6;\%L'
  f(-) \, L1'() \, *'M(", 'QK':, 0\%) \, Z\%"1'\% \, *\&K'! \, 3K' > GdH > DDK'Q\%"Z\%\%7['8') \, -9\%"\&-.7'\#\$' \, / \, (5\cdot\$\#") \, -('!"\%\&\&K'') \, + (1\cdot 1) \, + 
 / (&.(W%*(1'N%-*%K'>?C=K'M-6"().'M(5%':%0'e#"Z%"&'-)'U%"4()7K'a)'
                                                                                                                                                                                                                                                                                                                                                                         K'g-,.#"'
M-)-, 0-%5#'() *'^#0)': ,#..1'%*&K'!3K'F=CiFGdK'X%A'Y#"Z['N(""-)6.#)'! ("Z'!"%&K'
 /\left(\$.\left(\mbox{W}\%^*\left(\mbox{1'N}\%^*\%'\mbox{N'}\right)^2\mbox{\%}\%'''\%^*\left[\mbox{1'a55}\%6\left(5..71\mbox{1'}g-\$-P-5..71'\right)^*\mbox{N'},\#6\right)-.-\#\right)'-\right)'/\#\right).\%43\#''("7')
U%"4()7K'a)'
                                                                                                                                                                                                                                                                                                                                                     K'X-,0#5(&'2%'
U%)#9('()*'X(.0(5%'!%;.L1'%*&K'!3K'>04128(*(()3(.)8(0))3/TT61Tf[(X-)8F-70.-5-587Tm/TT61Tf(i)TjETQq0.24000
```

 $/ \left(\frac{1'N'' + \frac{1'X'' + \frac{1}{X'' + \frac{1}{X' + \frac{1$

GRANTS AND RESEARCH FUNDING

>?>C' ' N; 4()-.-%'a) &.-.; .%1'8: <1'` / #5#h; -(5'M#"#,,()'+"(P-,'R/M+V2("-I(5'f()6;(68())3(6)E6('()3(P)3(-()3(P)3

>?CF' ' N; 4()-.-%&'a)&.-.;.%':; 4 4%"'U"().&1'8)-9%"&-.7'#\$':#;.0'<5#"-*('

>?C>'' ' M-(4-H<5#"-*('@;"#3%()'8)-#)'/%).%"'#\$'@0,%5%),%'<(,;5.7'%&%(",0'U"().

AWARDS AND RECOGNITIONS

```
>?>C' ' E"(-5'Q5(L%"1' / #55%6%'#$'+".&'u':,-%),%&1'8)-9%"&-.7'#$':#;.0'<5#"-*(''
>?C]'' ' 2-9%"&-.7'+A("*1'B$$-,%'#$'M;5.-,;5.;"(5'+$$(-"&1'8)-9%"&-.7'#$':#;.0'<5#"-*('
>?CD' ' <(,;5.7'+A("*1'8:<'B$$-,%'#$'M;5.-,;5.;"(5'+$$(-"&'2-9%"&-.7''
>?CD'' ' 8:<'2-9%"&-.7'+A("*1'8)*#,;+557'
```

< f K'

```
>?C]' '
                / (&. (\%* (1'N%-*%1'` \ #; ) *. (P5%['@) ( ,.-)6' : #5-* ("-.7'-) 'E-4 %&'#$' / "-&-&\c'+)); (5'M\%.-)6'#\$'
                .0\%' + 4\%'' - , ()' + ).0"#3#5#6 - , (5' + &&#, -(.-#)1'g(), #; 9\%"1' / ()(*(\%''))
>?C]' '
                / ( &. ( W\% * ( 1' N\%-* %1'` @$$% , . & '#$' a55%6 (5-.7'#) 'a 4 4-6" ( ) . ' < ( 4-5-%&[' e 0 ( .' \ %5 ( .-#) &0-3& '#$' f %6 (5' ) ]
                :.(.;&H2-&,#"*().':-P5-)6&'\%9%(5\\^'+4\%"-,()':#,-#\$#6-,(\sigma'+\&\#,-(.-\#)'+));(\sigma'M\%.-)6\\
                X%A'Y#"Z' / -.71'XYK'
                M(".-)%L1'U-"&%(1 '@5-L(P%.0'+"() * (1'N%*%' / (&.(W%*(1'() * '@5-L(P%.0'q(h;%"(1'`Q%.A%%))'
>?Cl' '
                N#3%'() *'<%("['\%,";-.-)6'() *'8) *%"&.()*-)6'f(.-)#'2+/+'\%,-3-%).&'-)'<5#"-*(K|'f(.-)'
                + 4 %"-, ()':.; *-%&'+&&#,-(.-#)'/#)6"%&&1'Q#&.#)1'M+K'
>?C]' '
                / (&. (\W%* (1'\N%-*\%1'\Q\#"*\"\&'\#\$'\Q\\%\#)6-)6[':.";66\\%\&'()*':\#\5-* ("-.7'\#\$'\M-0\%*\H:.(.;&'
                a4 4-6"().'<(4-5-%&K`'a).%")(.-#)(5'M%%.-)6'#)'f(A'()*':#,-%.71'e(&0-)6.#)'2/K'
>?C]' '
                / (&. (\\%* (1\N%-*\%1\^8)\%h; (\5'+,,\%&\'() *'M; \5.-6\%)\%" (.-\#) (\5'!; )-&04\%). \(\frac{1}{N}\% (\5.0' / (\"\%'-)'
                M-0\%*H:.(.;\&'<(4-5-\%\&\&c!f(.-)'+4\%"-,()':.;*-\%\&'+\&\&\#,-(.-\#)'/\#)6"\%\&\&1'Q\#\&.\#)1'M+\&'
>?C]'' '
                / (&.(W%*(1'N%*%1'`8)%h; (5'+,,%&&['N%(5.0'()*'e %55P%-)6'-)'M-0%*H:.(.;&'<(4-5-%&\kc'
                :8XE+V:+X+'Q-%))-(5'M%%.-)61':()'^;()1'!;%".#'\-,#K'
                M%#1'M-5%) ('() *'N%-*%' / (&. (W%* (1'` e 0%) 'a.' e (&'M%'1'M7'! ("%) .&' e %"%' f -Z%1'nB01'X#1'
>?C]' '
                !5%(&%'2#)o.'U%.':-,Z}cc['N%(5.0'@03%"-%),%&'+4#)6'8)*#,;4%).%*'Y#;.0'-)':#;.0'E%0(&kc'
                :#,-%.7'$#"'+335-%*'+).0"#3#5#67'+));(5'M%%.-)61'!#".5()*1'B\K'
>?C]'' '
                /(43P\%51'\ P^{*}, ('()*'N\%*'')/(\&.(W\%*(1'E0\%'a43#".(), \%'#\$'f()6;(6\%'\ 3"%&%).(.-#)'(&')
                :, 0##5'@435#7%%&'Q"#Z%"'N%(5.0'/("%'$#"'M;5.-357HM("6-)(5-L%*'M-6"().'<(4-5-%&kc'
                U%#"6%.#A)'8)-9%"&-.7'\#;)*'E(P5%'#)'f()6;(6%&'()*'f-)6;-&-,&1'e(&0-)6.#)'2/K'
>?CI'' '
                N#54\%4': \%.0'()*'N\%-*\%'/(\&.(W\%*(1'`\%3''\&\%).(.-#)&'#\$'.0\\"0\"0\";"#3\%()'\\\$;6\\\"/"-&-&\'-)'
                U%"4()7'()*'Q%7#)*['2%&%"9-)6)%&&'()*'2-$$%"%),%1'f-$%'()*'2%(.0\cdotc\@)9-&-#)-)6'.0\cdots
                e #"5*' / %) .%"&'#$'U%" 4 () '() *'@; "#3%() ':.; *-%&', #)$\"%) , %1'Q\"5-)1'U\" 4 () 7\\'
                >?CI' '
                \#;)*.(P5%'/#)9%"&(.-#)'#)'E0"%%'X%A'@.0)#6"(30-%&c'R\#;)*.(P5%K'+));(5'M%%.-)6'#$'
                .0\%' + 4\%'' - , ()' + ).0"#3#5#6 - , (5' + &&# , -(.-#)1' : ()'^#&\%1' / +\%''
>?CI' '
                / (&.(\\%*(1'\N\%-*\%'()*'\M-5\%)('\M\\5\\#\\_'`@\&.(4\\#\\%),\\""(*\\#\\['/\\#)\$-)\%4\%).'-)'.0\\"
                Q#"*\%"5()*\&Kc'/#)\%"\%), \%'#\$'.0\%'@; "#3%()'+&&#,-(.-#)'#$':#,-(5'+).0"#3#5#6-&.&1'
                :.#,ZO#541':A%*%)K'
>?CI' '
                q-55(5#)(1':%--,O-1 'N%*%'/(&.(\\%*(1'^(\&#))'e\\'e-5\&#))1\\\#P\\".('\Q(\\"1'\X()),7\\\#4\\"\\\\
                M\%'''7'Y()\%L'Y;),\#\&(1'/0"-\&.-()'^%())\#.1'`:0\#;5*'A\%'<\#,;&\#)'n!(..%).':(.-&$(,.-#)0b[']
                @03%"-%), %&'#$':3()-&0H&3%(Z-)6'!(..%).&':%%Z-)6'X#)H8"6%).'/("%\c'+4\%"-,()'/#55%6\%"$'
                @4\%6\%, 7'! 07&-,-()&'\%&%(",0'<#"; 41':()'2-%6#1'/+\"
>?CI'' '
                +"()*(1'@5-L(P%.01'N%-*%'/(&.(W%*(1'()*'@5-L(P%.0'g(h;%"(1'`8)*#,;4%).%*'Y#;.0'()*'
                B).#5#6-,(5':%,;"-.71'Q%$#"%'()*'+$.%"'2+/+kc'f(.-)'+4%"-,()'::;*-%&'+&&#,-(.-#)'
                /#)6"%&&1'Q(",%5#)(1':3(-)K'
>?CI'' '
                / (&. (W%* (1'N%-*%'() *'M-5%) ('M%#K'` / "#&&-) 6'.0%' / 0%, Z3#-) .['a55%6 (5-.7'() *'M#P-5-.7'-)'.0%'
```

```
>?CD' '
                / (&. (\W%* (1'\N%-*%1'`! "%, ("-.71'2%3#". (P-5-.71'())*'.0%'\%9%"&(5'#$'!"-#"-.-%&'$#"'\%4#9(5['+'
                X%A'@"('$#"'8K:K'a44-6"(.-#)'@)$#",%4%).'!#5---,&'()*'!"(,.-,%Kc'+));(5'M%%.-)6'#$'.O%'
                +4\%''-,()'+).0''#3#5#6-,(5'+&&#,-(.-#)1'e(&0-)6.#)1'2/K'
>?CD'' '
                / (&. (\%\* (1\N\%-*\%1\`E0\\#"\%.-, (\5'+33\"#(,0\\&'.\#'E\"()\&-.'M-6\"(.-\#)\V@)\$\#h;\\&'E\p\\"-,\#\&\\#P\\\'5('
                M-6"(,-#)'\%)'E"()\&-.\#kc'/\#)6"\%\&\#'*\%'M-6"(,-#)\%\&'U5\#P(5\%\&1':-)(5\#(1'M\%O-,\#k''))
>?CD'' '
                / (&.(\\%*(1'\N\%-*\%1'\M-0\%*\H:.(.;\&'<(4-\5-\%\&'())*'/-.-\L\%)\&0-3'-)'.\0\%'/\#).\%43\#"("7'\M-6"(.-\#)'
                @03\%''-\%), %(a).\%'') (.-#) (5'M%%.-)6'#) 'f (A'()*':#,-%.71'M%0-,#'/-.71'M%0-,#K'
>?CD'' '
                +));(5'4%%.-)61':().('<%1'X%A'M%O-,#K''
>?CD'' '
                / (&. (\W%* (1'\N%-*%1'\M%*-, (\5'+).0"#3#\5#67'() * 'M-6"().'\N% (\5.0\Kc': #,-\%.7'\$#"'+33\5-\%*'
                +).0"#3#5#671':().('<%1'XMK'
>?CG'' '
                / (&. (\W%* (1'\N%-*%1'\M%) *\#L('\U; \%""\%"\#1'() *\^; () '\M(); \%1\` /\#).\% 43\#" ("7'\M-6" (.-\#)' | / "-&\%&|'
```

```
>?C?'' '
             / (&. (\W%* (1'\N%-*%'() *'\X#5() 'm5-) \%1_'`<(5&\%'\\H3\%['@\$\%, .&'\#$\': #,-(5' /5(&&'() *'\N\%(5.0'
             ! #5-,7'#) 'B"(5'N%(5.0'a)%h; (5-.-%&'$#"'M-6"().'<("4 A#"Z%"'<(4-5-%&\c'+)); (5'M\%.-)6'#\$'.0\'
             + 4 %"-, () '+).0"#3#5#6-, (5'+&&#,-(.-#)1'X%A'B"5%()&1'f+K'
>?C?'' '
             / (&. (\\%*(1\N%-*\%1'|<"(64\%).\%*'\M\%4P\\%0-3['E0\%'a43(,.'\\%\,\%).\\%,\%).'\@;\\#3\%()'
             8)-#)'@03()&-#)&'#)'/"#&&HQ#"*%"'N%(5.0'/("%'/#9%"(6%K|'/#)$%"%),%'#$'.0%'/#;),-5'$#"'
             @;"#3%()':.;*-%&1'M#)."%(51'/()(*(K'
>?C?'' '
             >??]'' '
             ! %"&3%, .-9%&'#) ' ! #5-,7Kc'+ 4 %"-, () '+).0"#3#5#6-, (5'+&&#,-(.-#) 'M%%.-)61' ! 0-5( * %530-(1' ! + K''
>??]'' '
             / (&. (\%'* (1'N%-*%1'a" (-* ('gK' / (""-#)1'X#5()'m5-)%1_'()*'2-)#"(0'M(".-)%LHE7&#)1'`:."; ,.; "(5'
             <(,.#"&'a43(,.-)6'B"(5'N%(5.0'a)%h;(5-.-%&'(
```

>?>=' ' N%(5.0'/("%'+,,%&&'\$#"'a44-6"().'!#3;5(.-#)&Kc'8)-9%"&-.7'#\$'/#))%,.-,;.1'a)&.-.;.%'\$#"'

```
>?Cl'' ' RA-.0'^%&&-, ('M;55-6()$'`8)%h; (5' / #9%"(6%['EO%'@O3%"-%), %'#$'N%(5.0' / ("%'\%$#"4'-)'.0%' 8)-.%*':.(.%&Kc N; 4()'\-60.&'a)&.-.;.%1'8)-9%"&-.7'#$' / #))%,.-,;.K''
!
>?Cl'' ' RA-.0'^%&&-, ('M;55-6()$'`8)%h; (5' / #9%"(6%['EO%'@O3%"-%), %'#$'N%(5.0' / ("%'\%$#"4'-)'.0%' 8)-.%*':.(.%&Kc ! "#9-*%), %' / #5%66%K''
!
>?Cl'' ' `a4 4-6"(.-#)'(&':#,-(5'2%.%"4-)().'#$'N%(5.0K| D.0'+)); (5' /;5.;"(5' / #43%.%), %' / #)$%"%), %1'E%O(&'E%,O'8)-9%"&-.7'N%(5.0':,-%), %&' / %).%"K''
!
>?Cl' ' `a4 4-6"(.-#)'(&'(':#,-(5'2%.%"4-)().'#$'N%(5.0['eO(.'/()'e%'f%(")'$"#4'Q#"*%"' / #44;)-.-%&bc'/%,-5'NK'()*'a*('U"%%)'N#)#"&'/O(-"'!;P5-,'f%,..;"%1'E%O(&'/O"-&.-()' 8)-9%"&-.7K''
!
>?CD' ' `a4 4-6"(.-#)'(&'
```

!

```
PROFESSIONAL SERVICE''
>?>=H3"%&%).'' \%9-%A%"1'@;"#3%()':,-%),%'<#;)*(.-#)'
>?>=H3"%&%).'' \%9-%A%"1':A-&&'X(.-#)(5':,-%),%'<#;)*(.-#)'
>?>FH'3"%&%).' @*-.#"-(5'P#("*1'P##Z'&%"-%&'|E"()&$#"4(.-#)&'-)'M%*-,(5'+).0"#3#5#67|''
>?>C
```

```
>?CdH>?CG' Q; 55&': %"9-,%'Q"%(Z'+*9-&#"''
!
>?C='' ' :,"%%)%"1'a).%")(.-#)(5'2-&&%".(.-#)'\%&%(",0'<%5#A&O-31':#,-(5':,-%),%'\%&%(",0'/#;),-5'
>?C=H>?Cd' Q; 55&': %"9-,%'Q"%(Z'+*9-&#"''
```

```
MANUSCRIPT REVIEWER
8)-9%"&-.7'#$'/0-,(6#'!"%&&'
X%A'Y#"Z'8)-9%"&-.7'! "%&&'
B0$#"*'8)-9%"&-.7'!"%&&'
:.()$#"*'8)-9%"&-.7'!"%&&'
X%A'Y#"Z'8)-9%"&-.7'! "%&&'
8)-9%"&-.7'#$'E#"#).#'!"%&&'
\;.6%"&'8)-9%"&-.7'!"%&&'
Q%"60(0)'Q##Z&'
\#;.5%*6%'
! (56"(9%'M(, 4-55()'
                                 С
AC
    : A
Α
Α
         Α
Α
Α
             &
Α
Α
         Α
ABCCCC
        Α
   С
       & A
       Α
         Α
 A :
                                                  С
                                    В
                 С
                    &
               Α
                             С
                                       Α
               Α
        Α
    &
        Α
```

Α

A)