

! " # \$ % & \$ # ' () * + \$, - * + (\$. . . /

0 \$!) - 1 2 - * \$ 3) (\$! " #

! " # \$ % & ' (\$ %) # * + , - # \$ % & ' \$ %) . / 0 + 1 \$ % 2 ' \$ % 2 - 3 4 - 3 % 5 ' \$ % 2 / - 3 # 0 6 % 5 3 " 7 8 - , 7 - , \$ % 9 ' \$ %
2 0 1 : - 3 % ' < ' \$ % = 0 , 1 / 6 * - \$ % > ' \$ % 9 " , ? @ A + 4 , - 3 %) @ : ' \$ % 0 8 8 / , \$ % & ' \$ %
& + : , B @ > / B C ? \$ % 5 ' \$ % 5 D 7 7 # - 3 % E ' \$ % F / G 3 + B " # / . + \$ % 5 ' \$ % H I + , G / , + 3 / \$ % 9 ' \$ %
J : / 6 + 7 \$ % K ' \$ % L + B @ < + 3 , - " 3 / \$ %) ' \$ % A + 3 8 - , * - 3 4 \$ % K ' \$ % + , G % 5 + , + . / 7 \$ % F !

O456(-76

> - + # % M / 3 # G % - . " G - , 1 - % N > A O P % : + 7 % * - - , % 8 / 0 8 - G % + 7 % + % 3 - 6 - G C % Q / 3 %
1 0 3 3 - , 8 % 6 + 3 ? - 8 % + 1 1 - 7 7 % " 7 7 0 - 7 \$ % 0 + 1 " # " 8 + 8 " , 4 % R 0 " 1 ? - 3 % + I I 3 / . + # 7 % + , G %
" , 1 3 - + 7 - G % / G G 7 % / 0 8 - " 6 * 0 3 7 - 6 - , 8 % + 8 % + % 4 / / G % 1 3 " 1 - ' % 8 % 7 % 8 : - 3 - 0 / 3 - %
+ , % + 8 8 3 + 1 8 " . - % + . - , 0 - % 0 / 3 % I 0 3 7 0 " 8 % 0 / 3 % 6 + , 0 0 + 1 8 0 3 - 3 7 % 8 / G + C % J : " 7 %
I + I - 3 % 8 : - % 8 : " 3 G % , % + % 7 - 3 " - 7 % # / / ? " , 4 % + 8 % 8 : - % 0 7 - % / 0 % > A O % , % 0 0 3 / I - \$ %
/ 0 8 # " , - 7 % 8 : - % G " 7 1 0 7 7 " / , 7 % : - # G % * - 8 M - - , % ? - C % / I " , " / , % # - + G - 3 7 %
" , % I 3 " 1 " , 4 % + , G % 3 - " 6 * 0 3 7 - 6 - , 8 % + 1 3 / 7 7 % + % , 0 6 * - 3 % / 0 % 0 0 3 / I - + , %
1 / 0 , 8 3 " - 7 % + 8 % + % 3 / 0 , G 8 + * # - @ 7 8 C # - % 6 - - 8 " , 4 % J : - % + " 6 % / 0 8 : - % 6 - - 8 " , 4 %

! " # \$ % & ' () & * + ! + &) \$ *) & ! , ' () - \$! ' . + / &) O \$ # 1) 2 ! (& , 3)
. *) 4 5 6) * & & - 3 7) " . * 3 & * 3 / 3) & 8 & , " \$ 3 & . *) 4 5 9 : 6) \$ *) " " \$ * \$ " ! ') - & " \$ 3 \$. * 3 :)
develop a definition of patient reported/relevant outcomes + , G %
develop a model approach for the collection of patient reported/
relevant outcomes data. % J : - 7 - % + 1 8 " / , % / " , 8 7 % + 3 - % 7 - - , % + 7 % 8 : - % 6 / 7 8 %
" 6 I - 3 + 8 " . - % 7 8 - I 7 % 0 / 3 % - , : + , 1 " , 4 % 8 : - % 3 / # - % / 0 % > A O ' % E 0 % " 8 7 % 0 7 - % " 7 % 8 / %
* - 1 / 6 - % 6 / 3 - % 1 / 6 6 / , % + G G 3 - 7 7 " , 4 % 8 : - 7 - % 7 8 - I 7 \$ % + 7 % R 0 " 1 ? # C % + , G %

I : + 3 6 + 1 - 0 8 " 1 + # % + 3 - , + '



8% ! " # \$ % & # ' () * + \$, - * + (\$. . . / \$
\$ O \$ () - 1 2 - * \$ 3 (\$! " #

9) &6+&65

O456(-76\$.....;

9) &6+&65\$.....:8

<-7=>() ' &1.....?

H-18"/, %UT%MI I /380, "8"-7%Q/3%>A0%....."W

</66"77"/, ", 4%+, G%) 11-77%....."W

<#" , "1+#%O. "G-, 1-%....."X

F+8"- , 87%+, G%M081/6-7%....."Y

H-18"/, %ZT%=-. -#/I " , 4%+%J: 3--@C--3%E6I #-6-, 8+8"/, %>/+G6+I %....."Y

H-18"/, %ST%) 18"/, %F#+, , , 4%..... [

) 18". -#C%- , 4+4-%, %-+3#C%G"+#/40-%M"8: %I +C-37%/ , %

>A0% --G7%..... [

</, 7-, 707%- \-31"7-%/, %>A=]0%, %I#" , "1+#%G-1"7"/, 7%....."U^

%....."UU

=-. -#/I %+%6/G-#%+I I 3/+1: %Q/3%8: -%I /##-18"/, %Q%

F>V%G+8+%....."UU

</, 1#07"/, 7%....."UZ

>-0-3-, 1-7%....."UZ

) 1?, /M#-G4-6-, 87%....."US

%....."US



?% ! " # \$ % & ' () * + , - . / : ;
\$ O \$ () - 1 2 - * \$ 3 (\$! " #

<-7=>' &1

J: -%07-%/0%8-+#%M/3#G%. "G-, 1-%N>AOP\$M: "1: %7%G-3". -G%03/6%+, +C7"7%/3%7C, 8: -7"7%
/0%3-+#%M/3#G%G+8+%N>A=P%/ *8+", -G%03/6%7/031-7%701: %+7%I +8"- , 8%3-4"783"-7\$%
-#-183/, "1%6-G"1+#%8-1/3G7%+, G%1#+"67%G+8+*+7-7\$%7%", 13-+7", 4#C%3-1/4, "7-G%+7%+-%
. +#0+*#-%7/031-%/0%", 0/36+8"/, %0/3%6+3?-8%+11-77%+, G%3-"6*037-6-, 8%NK+?+GC%
et al.,%Z^UYP%A: "#78%8: -3-%+3-%G"713-I +, 1"-7%*-8M--, %; J) %*/G"-7%+, G%8: -"3%
M"##", 4, -77%8/%07-%>AO%", %, C%G-1"7"/, @6+?", 4%8: -%O_, -8; J) %&/", 8%) 18"/, %S%
I 3/'-18%0/107-7%/ , %- . "G-, 1-%4-, -3+8"/, %, %A/3?%F+1?+4-%N%N("0-1C1#-%+I I 3/+1: %
8/%"6 I 3/. -%-. "G-, 1-%4-, -3+8"/, P%J: "7%M/3?%I +1?+4-%+"67%8/%4-, -3+8-%8: -%3"4: 8%



@% ! " # \$ % & ' () * + , - . / : ;
\$ O \$ () - 1 2 - * \$ 3 (\$! " #

J: "7%8-I /38\$8: -%8: "3G%, %7-3"-7G"71077", 4%8: -%07-%/0%>-+##A/3#G%D. "G-, 1-%I>AOP%
", %003/I -\$G/106-, 87%G"71077"/, 7%M"8: %-% 06 * -3%/0%78+? -: /#G-37%8%8%8/O, G@8+ *#-
78C#-%6--8", 4%+, G%Q/##/M7%/ , %Q3/6%8M/%I 3-. "/07%6--8", 47%N+, G%+11/6I +, C", 4%
3-I /387P%: -#G%, %Z^UX%+, G%Z^UY'%J: -7-%G"71077"/, %7-77"/, 7%M-3-%: -#G%Q/##/M", 4%
+%Z^UW%ePayer RWE voice of the customer projectf%M: "1: %4+", -G%, 7"4: 8%, 8/>AO%
, --G7%+, G%I 3"/3"8"-7%+13/77%. +3"/07%O_%1/O, 83"-7') 7%+%G"3-18%3-7O#8%+%7-3"-7%/0%

1#", "1+#%7I -1"+#8"-7%+, G%I /66"77"/, ", 4%/0%1+3-\$%+7%M-##%+7%I 3"/3%-I -3"-, 1-%, %8: -%

8/%7/6-%-\8-, 8%, %+##%003/I -+, %1/O, 83"-7%3-13-7-, 8-G\$A-, -3+##C%", %8: -%+3-+7%/0%
+11-#-3+8-G%11-77%, G%8-@3-. "-M'%18+? -: /#G-37% +#O-G%87%I /, 83"*08"/, %8/%G-1"7"/, @
6+?", 4%", %1/6 *", +8"/, %M"8: %83+G"8"/, +##><J%G+8+\$%I +38"10#+3#C%", %8: -%1: 3/, "1%
1/, G"8"/, %7-3-, +\$M: -3-%8"6-%8+?-, %8/%4+8: -3%/081/6-7%. "G-, 1-%7%, 13-+7", 4%GO-%

G-. -#/I 6-, 8%Q/3%8: -%76+##%I +8"-, 8%I /I O#+8"/, 7\$G-#+C-G%3-130"86-, 8%8/%><J%"7%
*-1/6", 4%6/3-%/0%+, %770-%I! "##%&#)!'



B% ! " # \$ % & ' () * + , - . / : ;
\$ O \$ () - 1 2 - * \$ 3 (\$! " #

8: -3-%7%, /%>AO%+. + # + * # - %Q/3%, 1/31 /3+8"/, %, 8/%G-1"7"/, @6+?", 4%=-7I "8-%8: "7\$%
I +38"1" I +, 87%M-3-%*#-%8/%G-, 8"QC%-% 06*-3%/Q%7"80+8"/, 7%8-#+8-G%8/%1/66"77"/, ", 4%
+, G%6-G"1", -%+11-77%M: -3-%8: -C%8: /04: 8%8: -3-%M-3-%/11/380, "8"-7%Q/3%>AO'

>AO%1/O#G%*-%07-G%+7%+%8//#%8/%", 13-+7-%0, G-378+, G", 4%/Q%8: -%07-%/Q%G3047%", %
I 3+18"1-\$%*C%1/##-18", 4%G+8+%/ , %G304%07+4-\$%M: "1: %6+C%40"G-%83-+86-, 8%G-1"7"/, 7%
+, G%- , : +, 1-%+11-77%", %1-38+", %1 +8"- , 8%43/OI 7%H/%1+##-G%* "4%G+8+c%1/O#G%*-%07-G%
8/%G-, 8"QC%8: -%6I +18%/ , %7/1"-8C%/Q%+%1/, G"8"/, %701: %+7%) #B: -"6-3c7%/3%G-6-, 8"+%
", %8-367%/Q%", G"3-18%1/787%+, G%G"3-18%RO+#"8C%/Q%#Q-%N%h/(P%6I +18%Q/3%*/8: %1 +8"- , 87%

+71-38+", %8: -%6I +18%8: +8%1+3-%1+, %1 3/. "G-'

E, %/3G-3%8/%", 13-+7-%8: -%00-18". -, -77%/Q%>AO%+%, 06*-3%/Q%"770-7%, --G%8/%*-%
+GG3-77-G%'9"378#C%\$ I 0370", 4% I +38, -3% -, 4+4-6-, 8% M"8: % 003/I -+, % 3-Q-3-, 1-%
, -8M/3?7%NO>d7P-%701: %+7%003/<+, \$%003/2#//G%+, G%F+-G"+83"1%d-8M/3?%1/O#G%
"6I 3/. -%8: -%1/##-18"/, %, G%3-70#8", 4%07-%/Q%>A=%H"6"#+3#C%\$, 13-+7", 4%8: -%G"3-18%
G"+#/40-%M"8: %1 +C-37%\$, %8-367%/Q%: -#I", 4%8: -6%3-1/4, "7-%8: -%-. "G-, 1-%*+7-%+, G%

07-00#%E8%M"##%*-%. "8+##8/%-, 703-%8: +8%\$%Q%F: +7-%EE%G+8+%7%07-G%8/%4+", %6+3?-8", 4%
+08: /3"7+8"/, \$%+, C%780G"-7%+3-%G-7"4, -G%8/%-, 703-%8: +8%G+8+%1/##-18"/, %1/, 8", 0-7%



C% ! " # \$ % & ' () * + , - . / : ;
\$ O \$ () - 1 2 - * \$ 3) (\$! " #

G/6+", '%9038: -36/3-\$%G-, 8"QC", 4%+, G%*O"#G", 4%3-#-. +, 8%, -8M/3?7%+, G%+##"+, 1-7%
+7%M-##%+7%+11-#-3+8", 4%8: -%G-. -#/I 6-, 8%+, G%1/6I #-8"/, %/Q%6/G-#%", "8"+8". -7%

N) EP\$%+, G%7: +I ", 4%3-#-. +, 8%O__, -8; J) %783-+67%Q/3%/ , 4/" , 4%G+8+%1/##-18"/ , %M"##%

780GC%I 3/43+66-P\$%7I / , 7/3", 4%+, %, 8-43+8-G%-. "G-, 1-%+I I 3/+1: %Q/3%3+3-%G"7-+7-%



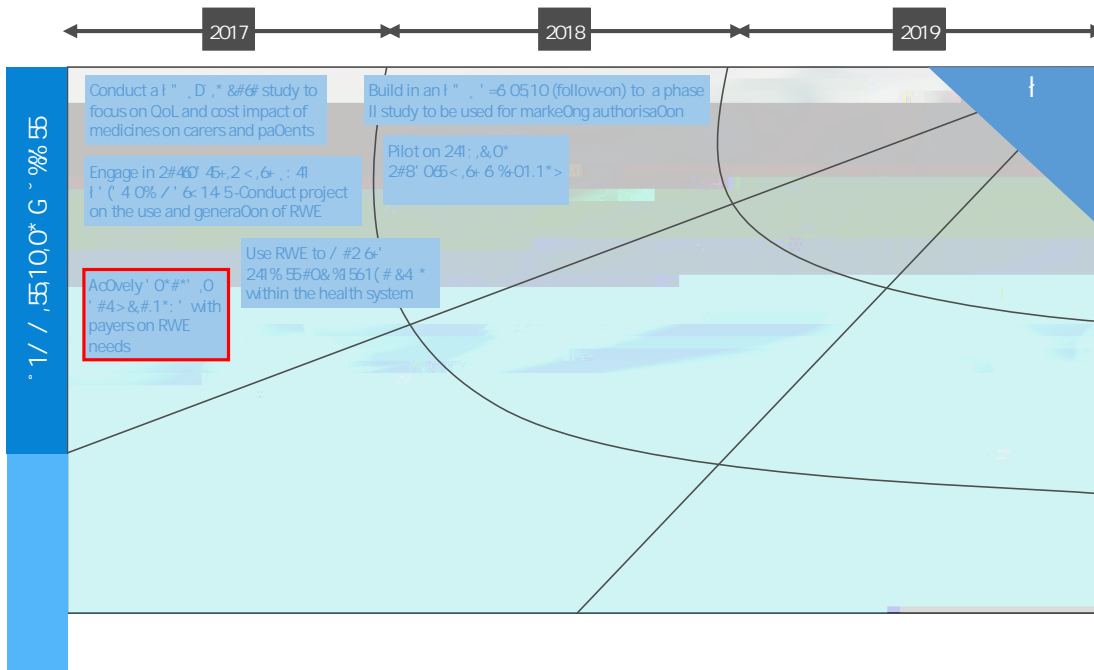
G% ! " # \$ % & # ' () * + \$, - * + (\$. . / \$
\$ O \$ () - 1 2 - * \$ 3 (\$! " #

H-18"/ , %ST% 18"/ , %F#+ , , " , 4

9/##/M", 4% 8: -% G-. -#/I 6-, 8% /Q% 8: -% 8: 3--@C-+3% "6I#-6-, 8+8"/ , % 3/+G% 6+I %
I +38"1" I +, 87%M-3-%+7?-G%8/%. /8-%/ , %M: +8%8: -C%8: /O4: 8%M-3-%8: -%8/I 8M/%+3-+7%

1/O, 87%M: "#78%8: -"3%7-1/, G%M+7%M/38: %/ , -%1/O, 8%E, "8"+8". -7%M"8: %8: -%6/78% /8-7%
N9"403-%ZP%M-3-%8: -, % O37O-G%, %8: -%+18"/ , % #+, , " , 4%78+4-'

Figure 2: 24 refined RWE initiatives highlighting those achieving most votes for action planning pursuit



3-1-". , 4%B-3/\$%/ , -%\$8M/%/3%8: 3--% . /8-7P'J: -7-%8/I %Q/O3%", "8"+8". -7%M-3-%8: -, %
G"71077-G%", %QO38: -3%G-8+"#%" , %/3G-3%8/%+71-38+", %8: -%?-C%78+?- : /#G-37%", . /#. -G\$%

Actively engage in early dialogue with payers on RWE needs

J: -%, "8"+#%I 3"/3"8C%+18"/ , %I /" , 8%"7%8/%+18". -#C%- , 4+4-%" , %+, %-+3#C%G"+#/40-%M"8: %
I +C-37%/ , %>AO%, --G7\$M"8: %8: -%+"6%*- , 4%8/%G-. -#/I %*-88-3%- . "G-, 1-%I +1?+4-7%

"7%8/%8- . "-M%8: -%-\I -3"- , 1-%/Q%8: -%O7-%/Q%>A=]>AO%", % , +8"/ , 7%I / , 7"G-3-G%-+3#C%
G-1"7"/ , %6+?-37%7O1: %+7%8: -%_ , "8-G%5" , 4G/6%+, G%93+ , 1-%. "+%*/8: % , 8-3, +#%+, G%
-\8-3, +#%3- . "-M"9/##/M", 4%8: "7%3- . "-M"7%8: -%G-. -#/I 6-, 8%/Q%7-I +3+8-%/3% /" , 8%
I 3/1-77-7%N+7%+ I I #1+*#-P%M"8: %8: -%OK) %/3%O_ , -8; J) 'J: -% -\8%78-I %'7%8/%-\I +, G%



; ; % ! " # \$ % & ' () * + , - . / : ;
\$ O \$ () - 1 2 - * \$ 3 (\$! " #

* - % B - R O " 3 - G % / % , 7 0 3 - % B : + 8 % + , C % > A O % 7 % D 7 - G % , % B : - % I / 3 3 - 1 8 % 6 + , , - 3 % B - C % 6 " # - 7 8 / , - 7 %
I + 8 : M + C 7 % N 0 / 3 % \ + 6 I # - \$ % / 3 % * " / 7 " 6 " # + 3 7 P \$ 7 " 4 , " , 4 % / 0 0 % / , % B - R O " 3 - G % 6 - 8 : / G / # / 4 C % + , G %

Developing a definition of PRO

6 + C % # + C % B : - % Q / 0 , G + 8 " / , 7 % Q / 3 % - 6 I / M - 3 " , 4 % I + 8 " - , 8 7 % B / % - , 4 + 4 - % 6 / 3 - % + 1 8 " . - # C % , % B : - %
0 7 - % / Q % > A O \$ % - , + * # " , 4 % B : - 6 % B / % " , 1 3 - + 7 - % B : - " 3 % O , G - 3 7 8 + , G " , 4 % / Q % " 8 7 % " 6 I / 3 8 + , 1 - \$ %
6 + ? " , 4 % B : - 6 % 6 / 3 - % # " ? - # C % B / % 7 0 I I / 3 8 % B : - % 0 7 - % / Q % B : - " 3 % G + 8 + % E , " 8 " + # % + 1 8 " / , 7 % , 1 # O G - %
/ Q % ? - C % / I " , " / , % # - + G - 3 7 % + 1 + G - 6 " + \$ % I + 8 " - , 8 7 % + , G % B : - " 3 % + G . / 1 + 8 - 7 % + , G % " , G 0 7 8 3 C %

7 8 + ? - : / # G - 3 7 % , 1 # O G " , 4 % I # " , " 1 " + , 7 % \$ % I + 8 " - , 8 7 % \$ % I + C - 3 7 % B - 4 0 # + 8 / 3 C % + , G % J) % * / G " - 7 % + , G %
" , G 0 7 8 3 C % B - C % 6 " # - 7 8 / , - 7 % / 3 % B : " 7 % + 1 8 " / , % I / " , 8 % , 1 # O G - % B : - % G - . - # / I 6 - , 8 % / Q % - % 7 0 3 . - C %

Develop a model approach for the collection of PRO data

G - . - # / I % + , % + I I 3 / + 1 : % B : + 8 % 1 + , % * - % 0 7 - G % B / % 0 7 - 0 0 # C % 1 / # # - 1 8 % F > V % G + 8 + % E , " 8 " + # % 7 8 - I 7 %
: - 3 - % , 1 # O G - % 6 + I I " , 4 % + % I 3 / 1 - 7 7 % Q / 3 % G + 8 + % 1 / # # - 1 8 " / , % g % " - " % G - , 8 " Q C " , 4 % M : - 3 - % G + 8 + %
G / - 7 % + , G % G / - 7 % , / 8 % - \ " 7 8 % + 7 7 - 7 7 " , 4 % B : - % R O + # " 8 C % / Q % G + 8 + % 3 - R O " 3 - G % Q / 3 % + , C % G - 1 " 7 " / , %

I 3 / 1 - 7 7 % 1 / , 7 " G - 3 " , 4 % G + 8 + % # + M 7 % + , G % + , C % 1 / 6 I # " + , 1 - % " 7 7 0 - 7 % + , G % " G - , 8 " Q C " , 4 % + , C %
" , Q 3 + 7 8 3 0 1 8 0 3 -] 8 - 1 : , / # / 4 C % -- G 7 % J : - 7 - % + 1 8 " / , % I / " , 8 7 % M " # # % * - % # - G % * C % , G 0 7 8 3 C % M " 8 : %
6 0 # 8 " I # - % 7 8 + ? - : / # G - 3 7 % , 1 # O G " , 4 % I + 8 " - , 8 7 % \$ % 1 # " , " 1 " + , 7 % + , G % B - 4 0 # + 8 / 3 C % * / G " - 7 % = + 8 + %
4 + 8 : - 3 " , 4 % B - R O " 3 - 6 - , 8 7 % 6 " 3 3 / 3 % B : / 7 - % , % B : - % + 1 8 " / , % I / " , 8 % + * / . - ' J : - % G - . - # / I 6 - , 8 %

G - . - # / I 6 - , 8 % / Q % + , % - \ I - 3 8 % , - 8 M / 3 ? % + , G % B / 0 , G % B + * # - 7 % M " # # % - , + * # - % B : - % + 7 7 - 7 7 6 - , 8 %

. + # " G + 8 - G % I 3 / 1 - 7 7 % + , G % + % 6 / G - # % I # + C * // ?'



; 8%! " #&\$\$#' () *+\$, -*(.\$.../\$
\$ O\$() -12-*\$3) (\$! " #

</, 1#07"/, 7

J: "7%3-1/38%G/106-, 87%8: -%G"71077"/, 7%: -#G%+8%+%3/0, G8+*#-@78C#-%6--8", 4%M"8: %
+% 06*-3%/0%78+? -: /#G-37%J: "7%7%8: -%8: "3G%G"71077"/, %7-77"/, %, %8: "7%7-3"-7%M"8: %
I 3-." /07%7-77"/, 7%G-. -#/I", 4%/03%O, G-378+, G", 4%/0%8: -%3/#-%/0%>A0%+13/77%8: -%
O_%J: -%+ "6%/0%8: "7%7-77"/, %M+7%8/%+77"78%>/1: -%8/%G-. -#/I %+%3/+G6+1 %0/3%+18"/, %
8/%-, : +, 1-%8: -%07-%/0%3-+M/3#G%-."G-, 1-%0/3%"6I 3/. -G%6+3?-8%+11-77%0/3%+##%
I : +36+1-08"1+##6+, 00+1803-37'

/0%G+8+%4-, -3+8"/, \$%, 8-3I 3-8+8"/, %, G%07-%8/%6+?-%87%, 1#07"/, %, %1/66"77"/, ", 4%
+, G%#1-, 7", 4%*+7-G%G-1"7"/, @6+?", 4%6/3-%6+", 783-+6%A-%: +. -%G-. -#/I -G%+%
7-3"-7%/0%I 3/I /7-G%", "8"+8". -7%+1: %M"8: %+, 06*-3%/0%+77/1"+8-G%+18"/, %I /", 87%\$
M: "1: % --G%8/%*-%0 0370-G%, %/3G-3%8/%038: -3%G-. -#/I %8: -%07-%/0%>A0%, %G-1"7"/, @
6+?", 4'8/107", 4%, %, - , 0-7%0/3%+3#C%G"+#/40-%M"8: %I +C-37%, %8-367%/0%8: -"3%>A0%
, --G7%G-. -#/I", 4%+%1/, 7-, 707%- \-31"7-%/, %8: -%07-%/0%>A0%, %1#", "1+##G-1"7"/, 7%\$

6/G-##+I I 3/+1: %0/3%8: -%1/##-18"/, %/0%8: "7%G+8+%+3-%7-- , %+7%8: -%6/78%"6I -3+8". -%
78-17%0/3%, : +, 1", 4%8: -%8/#-%/0%>A0%'E0%>A0%07-%7%8/%* -1/6-%6/3-%1/66/, %8: -, %

>-0-3-, 1-7

O_, -8; J) %NZ^UXP%O_, -8; J) %&/", 8%) 18"/, %S%NZ^UX%g%Z^Z^P%A/3?%F+1?+4-%N%G%
("Q-%1C1#-%+I I 3/+1: %8/%"6I 3/. -%O. "G-, 1-%! -, -3+8"/, %) . +##+*#-%+8T%: 88I T]]MMM'
-0, -8: 8+1-0]+18". "8"-7]-0, -8: 8+@ /", 8@+18"/, @S@Z^UX@Z^]M/3?@I +1?+4-@N#@Q-@
1C1#-@+I I 3/+1: @"6I 3/. -@-. "G-, 1-@4-, -3

003/I -, % </66"77"/, % NZ^UWP% 003/I -, % >-0-3-, 1-% d-8M/3?7T% A/3?", 4% 0/3%
I +8"- , 87%M"8: %3+3-\$#/M@I 3-. +#-, 1-%+, G%1/6I #-\%G"7-+7-7%) . +##+*#-%+8T%: 88I 7I]]

! "##% (\$%) . /0+1%2%\$=0, 1/6*-%>\$% 088/, %&\$+ : , B@>/BC?%5\$%H1: 3+66%A\$%HI +, G/, +3/%
9\$%J: /6+7%K%+, G%5+, +. /7%F! %NZ^UXP%J: -%07-%/0%>-+##A/3#G%O. "G-, 1-%", %8: -%
003/I -, %1/, 8-\8T\$), %, +#C7"7%/0%?-C%- \I -38%/I", "/, %) . +##+*#-%+8T%: 88I T]]G\G/'"

! "##% (\$%) #*+, -##%\$%\$=+, ?%K%\$=0, 1/6*-%>\$%0", ?@A+4, -3%) @; % 088/, %&\$+ : , B@>/BC?%
5\$%5D77#-3%E\$F/G3+B"#/. +5\$%H1: 3+66%A\$%HI +, G/, +3/%9\$%J: /6+7%K%\$+B%+3, -"3/%) \$%
A+38-, * -34%K%+, G%5+, +. /7%F! %NZ^UYP%>A0%", %003/I -%F+I -3%EET%J: -%07-%/0%>-+##
A/3#G%O. "G-, 1-%", %8: -%G"7-+7-%I /, 8-\8.\$) . +##+*#-%+8T%: 88I T]]G\G/'"/34]U^'ZU[WS]
(HO'>V'YY^SY



; ?%! " #&\$\$#' () *+\$, -*(.\$.../\$
\$ O\$() -12-*\$3) (\$! " #

&-3, *-34%J\$) 88-*3", 4%K9\$% +6*3+-07%5\$&#)! 'N^U^P%J: -HM-G"7: %A-*@7C78-6%Q/3%
O, : +, 1-6-, 8%, G%=-. -#/I 6-, 8%/Q%Q. "G-, 1-@*+7-G%+3-%, % -+38G"7-+7-%Q. +#O+8-G%
) 11/3G", 4%8/%>-1/66-, G-G%J: -3+I "-7%NHAO=0; O) >JP%>&! ,#%GBTUXUY@JXZU'

K+?+GC%) \$%H8-4-, 4+% \$%<"4#"%) \$%=-*3+C%JF) \$%(-7%K\$% +I I "1: %K\$%-C##%2\$%) *3+67%5\$%
J: M+"8-7%>\$%& +3, -3%+1\$%&/, 77/, %F\$%& /-8871: %A%/ , %* -: +#Q%/Q%& -8>-+##A/3?%F+1?+4-7%

</6I +3+8". -%OQ-18". -, -77%>-7-+31: T% (-+3, ", 47%Q3/6%EKE@! -8>-+##% Journal of
Comparative Effectiveness Research

Acknowledgements

J: -%+O8: /37%M/O#G%#"?-8%/+1?, /M#-G4-%9% /QO6+, @(+%>/1: -%) ! %Q/3%7O I I /38%/Q%
8: "7%& 3/ -18'

Author affiliations

J: "7% I +I -3% M+7% M3"88-, % *C%&-, , "Q-3% ! "##% N(HO% ; -+#8: \$% (/ , G/ , % H1: //##/Q%
O1/ , /6"17%+, G%F/#"8"1+#H1"- , 1-\$%_5P\$&/+, %) #*+, -##%N; -+G%K-G"1+#%V, 1/#/4C%
H-3. "1-\$% /7I "8+#%G-#%K+3%="3-18/3%<+, 1-3%>-7-+31: %F3/43+6\$EKEK\$%F3/0-77/3%\$
F/6I -O%9+*3+%, ". -37"8C%2+31-#/ , +\$HI +, P\$2-3, +3G%). /O+1%N>: -06+8/#/4"78\$%
F+78%F3-7"G-, 8%J3+, 7I +3-, 1C%</66"88--\$%93+, 1-P\$5+3", %2-34-3%N=-I +386-, 8%
/Q% K-G"1", -%EEE\$%_, ". -37"8C%; /7I "8+#%/Q% K O, "1: P\$9", , %2/-3#06%53"78-, 7-, %
N=-I +386-, 8%/Q% FO*#"1%; -+#8: \$% 9+10#8C%/Q%; -+#8: % H1"- , 1-7\$%_, ". -37"8C%/Q%

