

Introduction:

(GWTG-S) promotes the latest evidence-based stroke care. The product meets the needs of stroke centers of
rk } C00r^qsg ^20Czkj 20^sk-2 s^-grk } sg ^22^gzj ^-i ^-3 f^gr-^si rk } C00r^qkl .{k } k-2 ^gzk i s-g{^i k r»^k^g^3^k } ^-^qk } k-2j 2r0C } fC{»s^-j
s-2k0, k-2sC-^f a0Cgk i 30k^-j kgC-^i^0» a0k, k-2sC- ^20^2kqsk^-j is^-gr^qk^-j ^-i pC{{C^1^3^a g^0k! i i s^sC-^f{»j 2k^ } ^-g^ ^-C^a2s } s%k 2rks0 ^-3^f{s^2»s } a0C, k } k-2
^g^s, s^2sk^- 3^2s{s%-q 2rk g0k^2s, k 0k^a C0^2s-q g^a^a f{s^2sk^- Cp C^30-k 1 k^-2 a{^2pC0 } j N3 a k0 Q^-k0 ^ggC^3-2- ^0k^, ^s{^f{k pC0 rk^f2r^-»2k } ^-3^f{s^2»
^-2^pp 2C } C-s^2C0 2rk a k0pC0 } ^-gk Cp ^f{ ^pA{s^2k i ^-2k^- ^f{C^1s-q pC0 rsqr i{k, k{ ^-3^f{s^2» s-s^2s^2s, k^- ^g0C^-2rk^-»2k } j
Prk ! } k0sg^~ 5k^02 ! ^-Cgs^2sC- ^-3^a a C0^2-2rk 4k^2 Ws2r Prk 4^3s i k{s-k^- a{^2pC0 } ^-1s2r ^z-C^1{k i qk^f{k 2k^ } Cp ^-3^f{s^2»s } a0C, k } k-2 gC-^-3{2^~2^-j ! ~^i i k i
, ^f{3k 2C C^30g^3-2C } k0^-s^-C-qCs-q, s023^f{k i 3g^2sC- pk^230s-q q^3s i k{s-k i 0s, k-g^0kl g^300k-2 r C^2 2C^a sg^-j } C i k{ i^-r^0s-qj k^0^k0^2 gC-^-3{2^~2 a^~k{ ^-i } C0k0

Stroke Achievement Measures:

ACUTE

- Jk0gk~2 Cp a^2sk-2^- 1s2r s^-grk } sg ^20Czk C0 20^sk-2 s^-grk } sg ^22^gz eP6! e^1 r C 0kgks, k ^-2s2r0C } fC^2sg 2rk0^a» f» 2rk k-i Cp
r C^-a s^2^f{ i^» 2^1 Cj ! 5! NPMÉ
- Jk0gk~2 Cp ^g^3^2k s^-grk } sg ^20Czk a^2sk-2^- 1r C ^00s, k ^2 2rk r C^-a s^2^f{ 1s2rs- ÉÉÉ
{s-3^2k^- éÉj r C^30^é Cp 2s } k{^2 z-C^1~ 1k{f{ ^-i pC0^1 r C } 6V 2r0C } fC{»2sg 1^~s-s2s^2k i ^2 2rs^- r C^-a s^2^f{ 1s2rs- ÉÉÉ } s-3^2k^- èl j r C^30^é Cp 2s } k{^2 z-C^1~
1k{fj ! 5! NPMÍ
- Jk0gk~2 Cp a^2sk-2^- 1s2r s^-grk } sg ^20Czkj rk } C00r^qsg ^20Czk C0 ^20Czk -C^2 C^2rk0^1s^-k^-a kgs^k i 1r C
0kgks, k VP. a0C^a r»f^0s^-2rk i^»
Cp C0^2rk i^» ^p2k0 r C^-a s^2^f{ ^i } s^-sC-^j ! 5! NPMÍ

AT OR BY DISCHARGE

- Jk0gk~2 Cp a^2sk-2^- 1s2r ^-s^-grk } sg ^20Czk C0 P6! 1s2r ! 3 is^-gr^0qk i C- ^-2sgC^q^3{^2sC-
2rk0^a»j ! 5! NPMÉ
- Jk0gk~2 Cp a^2sk-2^- 1s2r ^-s^-grk } sg ^20Czk C0 P6! a0k^-g0fki ^-2s2r0C } fC^2sg 2rk0^a» ^2 is^-gr^0qk! ! 5! NPMÉ
- Jk0gk~2^aqk Cp s^-grk } sg ^20Czk ^-i P6! a^2sk-2^- 1r C ^0k a0k^-g0fki rsqr i s-2k-^-s^2» ^2^2s-2rk0^a» ^2 is^-gr^0qk BMj 0 Č í i »k^0^-
Cp ^qk! ^0k a0k^-g0fki ^2{k^2 } C i k0^2k i s-2k-^-s^2» ^2^2s-2rk0^a» ^2 is^-gr^0qk! ! 5! NPMÍ
- Jk0gk~2 Cp a^2sk-2^- 1s2r s^-grk } sg C0 rk } C00r^qsg ^20Czkj C0 P6! 1s2r ^rs^-2C0» Cp^- } Czs-q gq^0k^2k^-j 1r C ^0kl C0 1r C^-k g^0kqs, k0^- ^0kl
qs, k-^- } Czs-q gk^-^2sC- ^i, sgk C0 gC^3-^-k{s-q i^30s-q r C^-a s^2^f{ ^2^»j ! 5! NPMÍ

COMPOSITE AND DEFECT-FREE MEASURES

- Prk gC } a C^-s^2k ^-3^f{s^2» Cp g^0k } k^~30k s-isg^2k^- r C^1 1k{f{ 2rk rk^f2r g^0k^-»2k } i Ck^-2C a0C, s i k ^a a0C^a0s^2k! k, s i k-gk i f^~k i
s-2k0, k-2sC-^- pC0 k^gr a^2sk-2j ! 5! NPMÍ
- , kpg2ip0kk } k^~30k q^a^3qk^- r C^1 1k{f{ »C^30 r C^-a s^2^f{ isi s- a0C, sis-q ^f{2rk ^a a0C^a0s^2k s-2k0, k-2sC-^- 2C k, k0» a^2sk-2j ! 5! NPMÉ

Stroke Quality Measures:

ACUTE

- Jk0gk~2 Cp ^20Czk a^2sk-2^- 1r C ^3~i k0qC^-g0kk-s-q pC0 i^» a^r^qs^ 1s2r ^-k, s i k-gk i f^~k i f k i^-s i k 2k^-2s-q a0C^2cgC{^a a0C, k i f» 2rk
r C^-a s^2^f{ fkpC0k fks-q qs, k-^-» pC0 i j A^3s i^-C0 } k i sg^2sC- f» } C^32rj ! 5! NPM0
- Jk0gk~2 Cp s^-grk } sg ^20Czk ^-i ^20Czk -C^2 C^2rk0^1s^-k^-a kgs^k i a^2sk-2^- 1s2r ^-gC0k 0k^a C0^2k i
pC0 @5 N20Czk Ng^f{k ès-s2s^f{0j ! 5! NPMÉÉ
- Jk0gk~2 Cp ^g^3^2k s^-grk } sg ^20Czk a^2sk-2^- 0kgks, s-q s-20^, k-C^3-2s^-3k^a{^~ } s-Cqk- ^g^2s, ^2C0
è2r0C } fC{»2sg 2rk0^a» i^30s-q 2rk r C^-a s^2^f{ ^2^» 1r C r^, k^a 2s } k p0C } r C^-a s^2^f{ ^00s, ^f{2C s-s2s^2sC- Cp 2r0C } fC{»2sg 2rk0^a» ^i } s-s^-20^2sC- èi C00i^2C i-kki{k

Stroke Quality Measures (continued)

AT OR BY DISCHARGE

- Jk@gk~2 ¢ps-grk } sg ~2¢czk ¢@P6! a^2sk~2~ 1s2r ^ i ¢g3 } k~2ki {s2si a@¢À{kù !5!NPMÑ
- Jk@gk~2 ¢p a^2sk~2~ 1s2r ~2¢czk 1 r ¢ 1k@k ^~k~ki p¢@ ¢kr^fs¢2^2s¢~ ~k@,sgk~ù !5!NPMÉE
- Jk@gk~2 ¢p a^2sk~2~ 1s2r ~2¢czk ¢@P6! ¢@2rks@ g^@kqs, k@~ 1 r ¢ 1k@k qs, k~ ki 3g^2s¢~ ^~iæ¢@ ki 3g^2s¢~^ { } ^2k@^~ i 3@~q 2rk r ¢ ~as2^ { ~2^»
^ i i@k~s~q ^ { ¢p2rk p¢ { ¢ 1s~qù a k@~ ¢~^ { @s~z p^g2¢@~ p¢@ ~2¢czkù 1 ^@~s~q ~sq~ p¢@ ~2¢czkù ^g2s, ^2s¢~ ¢p k } k@qk~g» } kisg^ { ~»~2k } ù~kk i p¢@ p¢ { ¢ 1 3 a ^p2k@
is~gr^@qk ^~i } kisg^2s¢~ ~ a@k~g@sfkiù !5!NPMÉE

Stroke Reporting Measures:

ACUEF0F0NnUaQeV0RNarNn@LVoJNnYADAV0@nVAc00

- ## AT OR BY DISCHARGE

- ## STROKE DESCRIPTIVE MEASURES

- $J^{\wedge 2} s k^{-2^-} q \textcircled{\text{C}}^3 a k i f \gg \wedge q \} ! 5 ! N P M \acute{I} \acute{E}$
- $J^{\wedge 2} s k^{-2^-} q \textcircled{\text{C}}^3 a k i f \gg \acute{A} \sim \{ g \textcircled{\text{S}} \sim s g \wedge \{ i s \wedge q \sim \textcircled{\text{C}} \sim \} k \{ \wedge^2 k i \textcircled{\text{C}}^2 \textcircled{\text{C}} z k \} ! 5 ! N P M \acute{I} \acute{E}$
- $, \gg - a r \wedge q s \wedge - g \textcircled{\text{K}} k \sim s \textcircled{\text{C}} k - 3 \{ 2 - \} a \wedge^2 s k \sim 2^- q \textcircled{\text{C}}^3 a k i f \gg i \gg - a r \wedge q s \wedge - g \textcircled{\text{K}} k \sim s \textcircled{\text{C}} k - 3 \{ 2 - \} ! 5 ! N P M \acute{I} \acute{I}$
- $J k \textcircled{\text{G}} k \sim 2^- \textcircled{\text{C}} p k \} \wedge \{ k \} \wedge i - 3 \sim z \sim \textcircled{\text{C}} 1 \sim a \wedge^2 s k \sim 2^- \} ! 5 ! N P M \acute{I} \acute{I}$
- $J^{\wedge 2} s k \sim 2^- q \textcircled{\text{C}}^3 a k i f \gg s \sim s^2 \wedge \{ k 0 \wedge \} \acute{A} \sim i s \sim q - \} ! 5 ! N P M \acute{I} \acute{I}$
- $= B N q \textcircled{\text{C}}^3 a k i f \gg i s \wedge q \sim \textcircled{\text{C}} \sim - \} ! 5 ! N P M \acute{I} \acute{I}$
- $! r s - 2 \textcircled{\text{C}} q \textcircled{\text{A}} \} \textcircled{\text{C}} p a \textcircled{\text{K}} s \textcircled{\text{C}}^3 \{ \gg z \sim \textcircled{\text{C}} 1 \sim \} k i s g \wedge \{ r s - 2 \textcircled{\text{C}} \gg \} ! 5 ! N P M \acute{I} \acute{D}$
- $J^{\wedge 2} s k \sim 2^- q \textcircled{\text{C}}^3 a k i f \gg \textcircled{\text{A}} g k \wedge \sim i 5 s - a \wedge \sim s g k^2 r \sim s g s \gg \} ! 5 ! N P M \acute{I} \acute{N}$
- $! \textcircled{\text{A}}^2 s \textcircled{\text{C}} g \textcircled{\text{C}} \} a \wedge \textcircled{\text{S}} \sim q^2 r k \wedge g^2 \wedge \{ s \sim - i r \textcircled{\text{C}} \sim a s^2 \wedge \{ \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg \textcircled{\text{A}}^2 k^2 \textcircled{\text{C}}^2 r k \textcircled{\text{S}} \sim z - i \wedge i y - 3^2 k i k 0 a k g^2 k i \} \textcircled{\text{C}}^2 \wedge \{ s^3 \gg$
 $\textcircled{\text{A}}^2 k \} ! \textcircled{\text{A}}^2 s \textcircled{\text{C}} k \sim 3 \wedge \{ 2 \textcircled{\text{C}} \acute{E} s \sim 2 k \textcircled{\text{A}} \textcircled{\text{K}}^2 k i \wedge \sim \textcircled{\text{C}} i s p p k \textcircled{\text{K}} \sim g k f k^2 - 1 k k \sim 2 r k r \textcircled{\text{C}} \sim a s^2 \wedge \{ \} \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg \textcircled{\text{A}}^2 k \wedge \sim i 2 r k k 0 a k g^2 k i \textcircled{\text{A}}^2 k \} ! \textcircled{\text{A}}^2 s \textcircled{\text{C}} q \textcircled{\text{K}} \wedge^2 k \textcircled{\text{C}} 2 r \wedge \sim \acute{E} s \sim i s g \wedge^2 k - 2 r \wedge^2 2 r k$
 $r \textcircled{\text{C}} \sim a s^2 \wedge \{ \} \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg \textcircled{\text{A}}^2 k s - r s q r k \textcircled{\text{C}} 2 r \wedge \sim 2 r k k 0 a k g^2 k i \textcircled{\text{A}}^2 k \} ! \textcircled{\text{A}}^2 s \textcircled{\text{C}} p \{ k - - 2 r \wedge \sim \acute{E} s \sim i s g \wedge^2 k - 2 r \wedge^2 2 r k r \textcircled{\text{C}} \sim a s^2 \wedge \{ \} \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg \textcircled{\text{A}}^2 k s - \{ \textcircled{\text{C}} 1 k \textcircled{\text{C}} 2 r \wedge \sim 2 r k k 0 a k g^2 k i \textcircled{\text{A}}^2 k \}$
 $! 5 ! N P M \acute{I} \acute{E}$
- $! \textcircled{\text{A}}^2 s \textcircled{\text{C}} g \textcircled{\text{C}} \} a \wedge \textcircled{\text{S}} \sim q^2 r k \wedge g^2 \wedge \{ s \sim - i r \textcircled{\text{C}} \sim a s^2 \wedge \{ \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg \textcircled{\text{A}}^2 k^2 \textcircled{\text{C}}^2 r k \textcircled{\text{S}} \sim z - i \wedge i y - 3^2 k i k 0 a k g^2 k i \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg$
 $\textcircled{\text{A}}^2 k \} ! \textcircled{\text{A}}^2 s \textcircled{\text{C}} k \sim 3 \wedge \{ 2 \textcircled{\text{C}} \acute{E} s \sim 2 k \textcircled{\text{A}} \textcircled{\text{K}}^2 k i \wedge \sim \textcircled{\text{C}} i s p p k \textcircled{\text{K}} \sim g k f k^2 - 1 k k \sim 2 r k r \textcircled{\text{C}} \sim a s^2 \wedge \{ \} \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg \textcircled{\text{A}}^2 k \wedge \sim i 2 r k k 0 a k g^2 k i \textcircled{\text{A}}^2 k \} ! \textcircled{\text{A}}^2 s \textcircled{\text{C}} q \textcircled{\text{K}} \wedge^2 k \textcircled{\text{C}} 2 r \wedge \sim \acute{E} s \sim i s g \wedge^2 k - 2 r \wedge^2 2 r k$
 $r \textcircled{\text{C}} \sim a s^2 \wedge \{ \} \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg \textcircled{\text{A}}^2 k s - r s q r k \textcircled{\text{C}} 2 r \wedge \sim 2 r k k 0 a k g^2 k i \textcircled{\text{A}}^2 k \} ! \textcircled{\text{A}}^2 s \textcircled{\text{C}} p \{ k - - 2 r \wedge \sim \acute{E} s \sim i s g \wedge^2 k - 2 r \wedge^2 2 r k r \textcircled{\text{C}} \sim a s^2 \wedge \{ \} \} \textcircled{\text{C}}^2 \wedge \{ s^2 \gg \textcircled{\text{A}}^2 k s - \{ \textcircled{\text{C}} 1 k \textcircled{\text{C}} 2 r \wedge \sim 2 r k k 0 a k g^2 k i \textcircled{\text{A}}^2 k \}$
 $! 5 ! N P M \acute{I} \acute{E}$
- $P \textcircled{\text{S}} ! a \wedge^2 s k \sim 2^- a \textcircled{\text{C}}^3 a k i f \gg - \gg \} a^2 \textcircled{\text{C}} \} i - 3 \textcircled{\text{A}}^2 s \textcircled{\text{C}} \sim \} ! 5 ! N P M \acute{I} \acute{E}$

INTRACEREBRAL HEMORRHAGE (ICH) MEASURES

- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ 1\ r\ \phi^{\wedge}@k^{\wedge}i\}\}^{22ki\ 2\ \phi^{\wedge}\sim s\sim 2k\sim s,k\ g^{\wedge}@k\ 3\sim s^2\ \phi@i\ k\ i\ s\ g^{\wedge}2k\ i\ }^{-2}\phi zk\ 3\sim s^2\ 1s^2r\ ar\sim sgs^{\wedge}\sim\sim i\ \sim 3@^{\sim}s\sim q\sim k^3\phi^{\sim}gk\sim gk\ ^{\wedge}g^{32}k\ g^{\wedge}@k\ k^{oa}k^{@2s^{\sim}k\dot{u}}\ !5!NPM\acute{E}\acute{I}\acute{I}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ \{spk\dot{?}r@k^{\wedge}2k\sim s\sim q\ 6*5\ 1\ r\ \phi^{\wedge}@k\ 2^{\wedge}zs\sim q\ @s,\ ^{\wedge}@ \phi^{oa}f^{\wedge}\sim \dot{u}\ ^{\wedge}as^{oa}f^{\wedge}\sim\ \phi@i\ ^{\wedge}f\ s\ q\ s^{2@}\sim\ a@s\ \phi@2\ \phi^{\wedge}@s,\ ^{\wedge}\{\sim i\ 1\ r\ \phi^{\wedge}@k\ 2@k^{\wedge}2ki\ 1s^2r\ 2rk\ ^{\wedge}aa@a\ \phi@a@s^{\wedge}2k\ @k,k@^{\sim}\{\wedge qk\sim 2\ 1s^2rs\sim \acute{N}\acute{E}\}\}^{s\sim 32k^{\sim}\ \phi p^{\wedge}@s,\ ^{\wedge}\dot{u}}\ !5!NPM\acute{E}\acute{N}\acute{I}$
- $J^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ 1\ r\ \phi@kgks,k\ i\ ^{\wedge}\sim 2sg\ \phi^{\wedge}q^3\{\wedge\sim 2@k,k@^{\sim}\{\ q@ \phi^3\ a\ k\ i\ f\}\}^{\wedge}qk\sim 2^{\wedge}i\}\}^{s\sim s^{\sim}2k@k\dot{u}}\ !5!NPM\acute{E}\acute{N}\acute{N}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ 1\ r\ \phi^{\ 1}k@k\ ^{\sim}\sim k^{\sim}\sim ki\ p\ \phi@ \phi@1\ r\ \phi@kgks,k\ i\dot{u}\ @kr^{\wedge}f\ s\ s^{2^{\wedge}2s\ \phi\sim\sim}k@,sgk\sim \dot{u}\ !5!NPM\acute{E}\acute{I}\acute{I}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ 1\ r\ \phi\ i\ \phi\sim \phi^2\ @kgks,k\ g\ \phi@2sg\ \phi^{\sim}2k@ \phi si\ }^{-p\ \phi@k\{k,\ ^{\wedge}2ki\ s\sim 2@^{\wedge}g@^{\wedge}\sim s^{\wedge}\{a@k^{\sim}\sim 3@k\ \phi@f@^{\wedge}s\sim k\ i\ k\}\}^{\wedge}i\ 3@s\sim q\ ^{\wedge}g^{32}k\ r\ \phi^{\sim}as^2^{\wedge}\{s\dot{u}\ /\ ^{\wedge}2s\ \phi\sim \dot{u}\}\ !5!NPM\acute{E}\acute{I}\acute{I}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ s\sim 1\ r\ \phi^{\sim}\}\}^{\wedge}\ f^{\wedge}\sim k\{s\sim k^{\sim}k,k@s^2\}\sim\sim g\ \phi@k\ s^{\sim}\}\}^{k^{\wedge}\sim 3@ki\ ^{\wedge}\sim i\ ^{\wedge}2\ \phi^{\sim}\{\sim g\ \phi@k\ @kg\ \phi@i\ k\ i\ ^{\wedge}\sim a^{\wedge}@2\ \phi p\ s\sim s^2s^{\wedge}\{k,\ ^{\wedge}\{3^{\wedge}2s\ \phi\sim\ \phi\sim\ ^{\wedge}@s,\ ^{\wedge}\{\wedge 2\ 2rk\ r\ \phi^{\sim}as^2^{\wedge}\dot{u}\}\}\ !5!NPM\acute{E}\acute{I}\acute{D}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ 1\ r\ \phi^{\wedge}@k\ a@k^{\sim}g@s\ f\ k\ i\ ^{\wedge}\sim\sim 2sr\}\}^{\wedge}a@2k^{\sim}k\sim\sim s,k\}\}^{k\ i\ s\ g^{\wedge}2s\ \phi\sim\ \phi@1\ r\ \phi\ r^{\wedge},k\ ^{\wedge}i\ \phi g^3\}\}^{k\sim 2k\ i\ f\{\phi\ \phi\ i\ a@k^{\sim}\sim 3@k\ \phi p\}\}^{k\ i\ s\ g^{\wedge}2s\ \phi\sim\sim}\{k^{\sim}\sim 2r^{\wedge}\sim\acute{E}\acute{E}\acute{E}\acute{e}\acute{D}\acute{E}\}\}\}^{5q\ ^{\wedge}2\ 2rk\ 2s\}\}^{k\ \phi p\ r\ \phi^{\sim}as^2^{\wedge}\{i\ s^{\sim}gr^{\wedge}@qk\dot{u}}\}\ !5!NPM\acute{E}\acute{I}\acute{N}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ ^{\wedge}\sim i\ ^{\wedge}\sim 6\sim 2k@^{\sim}\sim\sim 2s\ \phi\sim\sim\{\ @\ \phi@ \}\}^{\wedge}\{s\dot{u}\ k\ i\ M^{\wedge}2s\ \phi\ \acute{e}\acute{o}\ M\acute{e}\ \acute{C}\acute{E}\dot{u}\}\}^{@k^{\sim}3\{2s\sim q\ p@ \phi\}\}^{1\ ^{\wedge}p^{\wedge}@s\sim 2@k^{\wedge}2\}\}^{k\sim 2\ 1\ r\ \phi@kgks,k\ 2rk@^{\wedge}a\}\}^{2\ \phi@k^{\wedge}\{\wedge gk,\ s^2^{\wedge}\}\}^{s\sim<\ i\ k^2k\sim i\ k\sim 2\ g\{\phi^22s\sim q\ p^{\wedge}g\ \phi@^{\sim}\ 1s^2rs\sim \acute{N}\acute{E}\}\}^{s\sim 32k^{\sim}\ \phi p\ .\ ,\ a@k^{\sim}k\sim 2^{\wedge}2s\ \phi\sim\sim i\ 1\ r\ \phi^{\wedge}\{\sim \phi@kgks,k\ \acute{v}\ s^2^{\wedge}\}\}^{s\sim<\dot{u}}\ !5!NPM\acute{E}\acute{I}\acute{E}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ p\ \phi@1\ r\ \phi\}\}^{2rk@k\ s^{\sim}\ i\ \phi g^3\}\}^{k\sim 2^{\wedge}2s\ \phi\sim 2r^{\wedge}2^{\wedge}\ ^{\wedge}i\}\}^{\sim a\ r^{\wedge}q\ s^{\wedge}\sim g@k\ k\sim s\sim q\ 1^{\wedge}\sim a\ k@p\ \phi@ \}\}^{ki\ 1s^2rs\sim \acute{E}\dot{u}\ r\ \phi^{3@}\sim\ \phi p^{\wedge}i\}\}^{s^{\sim}\sim s\ \phi\sim 3^{\sim}s\sim q\ ^{\wedge}i\}\}^{\sim a\ r^{\wedge}q\ s^{\wedge}\sim g@k\ k\sim s\sim q\ 2\ \phi\ \phi\{\ ^{\wedge}aa@a\ \phi,k\ i\ f\}\}^{2rk\ s\sim 2s^232s\ \phi\sim\sim s\ 1\ r\ s\ g\ r\ 2rk\ a^{\wedge}2sk\sim 2\ s^{\sim}\ @kgks,\ s\sim q\ g^{\wedge}@k\dot{u}}\ !5!NPM\acute{E}\acute{I}\acute{E}$
- $5s^{\sim}2\ \phi q@^{\wedge}\}\}^{ \phi p^{a^{\wedge}2sk\sim 2\ @kg\ \phi@i\ }^{s^{\sim}\sim s\sim q\ \phi\sim k\ \phi@}\}\}^{ \phi@k\ \phi p^2rk\ 2s\}\}^{k^{\sim}\ @k\sim 3s@k\ i\ 2\ \phi\ g^{\wedge}\{g^3\{\wedge 2k\ 6*5\}\}\}^{k^{\wedge}\sim 3@k\sim \dot{u}}\ !5!NPM\acute{E}\acute{I}\acute{E}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ 1\ r\ \phi^{\ 1}k@k\ i\ \phi g^3\}\}^{k\sim 2k\ i\ 2\ \phi\ r^{\wedge},k\ a^{\wedge}\sim ki\ 2rk\}\}^{ \phi^{\sim}2\ @kgk\sim 2\ i\}\}^{\sim a\ r^{\wedge}q\ s^{\wedge}\sim g@k\ k\sim f\ k\ p\ \phi@k\ \phi@^{\wedge}\{s\sim 2^{\wedge}zk\ \phi p\acute{A}^3s\ i\sim \dot{u}\sim 3^2@s^2s\ \phi\sim\ \phi@ \}\}^{k\ i\ s\ g^{\wedge}2s\ \phi\sim\sim \dot{u}}\ !5!NPM\acute{E}\acute{I}\acute{E}$
- $J^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ q@ \phi^3\ a\ k\ i\ f\}\}^{\ @k^{\wedge}\sim\ \phi\sim p\ \phi@ \sim \phi^2\ ^{\wedge}i\}\}^{s\sim s^{\sim}2k@s\sim q\ ^{\wedge}\sim\sim 2sg\ \phi^{\wedge}q^3\{\wedge\sim 2@k,k@^{\sim}\{\wedge qk\sim 2\dot{u}}\}\ !5!NPM\acute{E}\acute{E}\acute{E}$
- $J^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ 1\ r\ \phi@kgks,k\ i\ ^{\wedge}\sim 2sg\ \phi^{\wedge}q^3\{\wedge\sim 2@k,k@^{\sim}\{\ q@ \phi^3\ a\ k\ i\ f\}\}^{2s\}\}^{k\ p@ \phi\}\}^{\ ^{\wedge}@s,\ ^{\wedge}\{2\ \phi^{\wedge}i\}\}^{s\sim s^{\sim}2@^{\wedge}2s\ \phi\sim \dot{u}}\ !5!NPM\acute{E}\acute{E}\acute{E}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ 6*5\ 1\ r\ \phi@kgks,k\ \{\phi^{\ 1}k@ \{s\}\}^{\ f\ a\sim k^3\}\}^{\wedge}2sg\ g\ \phi\}\}^{a@k^{\sim}\sim s\ \phi\sim\ \phi\sim r\ \phi^{\sim}as^2^{\wedge}\{i\ ^{\wedge}\}\}^{\acute{E}\ \phi@ \acute{E}\dot{u}}\ !5!NPM\acute{E}\acute{I}\acute{I}$
- $Jk@gk\sim 2^{\wedge}qk\ \phi p^{a^{\wedge}2sk\sim 2^{-}1s^2r\ s\sim 2@^{\wedge}gk@k\ f@^{\wedge}\{rk\}\}^{ \phi@@r^{\wedge}qk\ f\ k\ s\sim q\ 2@k^{\wedge}2k\ i\ 1s^2r\ ^{\wedge}\sim\sim 2sa\{\wedge 2k\{k^2\ 1\ r\ \phi\ i\ \phi\sim \phi^2\ 3\sim i\ k@q\ \phi\ s\sim 2@^{\wedge}g@^{\wedge}\sim s^{\wedge}\}\}^{\sim 3@qk@}\}^{1\ r\ \phi^{\wedge}@k\ ^{\wedge}i\}\}^{s\sim s^{\sim}2k@k\ i\ ^{\wedge}a\{\wedge 2k\{k^2\ 2@^{\wedge}\sim p^3\ s\ \phi\sim 1s^2rs\sim \dot{I}\ \dot{D}\ r\ \phi^{3@}\sim\ \phi p^{\wedge}@s,\ ^{\wedge}\dot{u}}\}\ !5!NPM\acute{E}\acute{E}\acute{D}$
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TARGET: STROKESM Measures:

- J^Λ2sk~2⁻ q[Ⓢ] c³ a k i f » is^Λ q~ c⁻ s⁻ ũ ! 5 ! NPMÍÊ
- 5s⁻² c q[Ⓢ] ^ } c p² r k , ^[Ⓢ] c³ ~ 2 r[Ⓢ] c } f c { » 2 s g 2 r k[Ⓢ] ^ a s k ũ ! 5 ! NPMİİ
- Jk[Ⓢ] g k ~ 2 c p ^ g³ 2 k s⁻ g r k } s g ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ [Ⓢ] k g k s , s ~ q² r[Ⓢ] c } f c { » 2 s g 2 r k[Ⓢ] ^ a » i³ [Ⓢ] s ~ q² r k r c⁻ a s² ^ { ~ 2 ^ » 1 r c r ^ , k ^ 2 s } k p[Ⓢ] c } r c⁻ a s² ^ { ^[Ⓢ] [Ⓢ] , ^ { 2 c s ~ s² s ^ 2 s c ~ c p² r[Ⓢ] c } f c { » 2 s g 2 r k[Ⓢ] ^ a » ^ i } s ~ s⁻² [Ⓢ] ^ 2 s c ~ è i c c[Ⓢ] î² c î ~ k k i { k² s } k é c p î Ê } s ~ 3² k⁻ c[Ⓢ] { k⁻ ũ ! 5 ! NPMÊÊ
- Jk[Ⓢ] g k ~ 2 c p ^ g³ 2 k s⁻ g r k } s g ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ [Ⓢ] k g k s , s ~ q² r[Ⓢ] c } f c { » 2 s g 2 r k[Ⓢ] ^ a » i³ [Ⓢ] s ~ q² r k r c⁻ a s² ^ { ~ 2 ^ » 1 r c r ^ , k ^ 2 s } k p[Ⓢ] c } r c⁻ a s² ^ { ^[Ⓢ] [Ⓢ] , ^ { 2 c s ~ s² s ^ 2 s c ~ c p² r[Ⓢ] c } f c { » 2 s g 2 r k[Ⓢ] ^ a » ^ i } s ~ s⁻² [Ⓢ] ^ 2 s c ~ è i c c[Ⓢ] î² c î ~ k k i { k² s } k é c p î Ê } s ~ 3² k⁻ c[Ⓢ] { k⁻ ũ ! 5 ! NPMİİ
- Jk[Ⓢ] g k ~ 2 c p ^ g³ 2 k s⁻ g r k } s g ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ 1 r c ^[Ⓢ] [Ⓢ] , k ^ 2 2 r k r c⁻ a s² ^ { 1 s² r s ~ Ê Ê Ê } s ~ 3² k⁻ è Ê r c³ [Ⓢ] é c p² s } k { ^ ~ 2 z ~ c¹ ~ 1 k { { ^ ~ i p c[Ⓢ] 1 r c } 2 r[Ⓢ] c } f c { » 2 s g 2 r k[Ⓢ] ^ a » 1 ^ ~ s ~ s² s ^ 2 k i ^ 2 2 r s⁻ r c⁻ a s² ^ { 1 s² r s ~ Ê Ê Ê } s ~ 3² k⁻ è Ê r c³ [Ⓢ] é c p² s } k { ^ ~ 2 z ~ c¹ ~ 1 k { { ũ ! 5 ! NPMÊÊ
- P s } k p[Ⓢ] c } r c⁻ a s² ^ { ^[Ⓢ] [Ⓢ] , ^ { 2 c s ~ s² s ^ 2 s c ~ c p² r[Ⓢ] c } f c { » 2 s g 2 r k[Ⓢ] ^ a » ^ i } s ~ s⁻² [Ⓢ] ^ 2 s c ~ p c[Ⓢ] s⁻ g r k } s g ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ 2[Ⓢ] k ^ 2 k i ^ 2 } » r c⁻ a s² ^ { ũ ! 5 ! NPMÍÊ

Rural Recognition Measures:

ACUTE

- J[Ⓢ] c^a c[Ⓢ] 2 s c ~ c p ^a k[Ⓢ] p c[Ⓢ] } ^ ~ g k c^{a a} c[Ⓢ] 2 3 ~ s² s k⁻ 2 r^Λ 2 1 k[Ⓢ] k } k² ^ } c ~ q k { s q s f { k c^{a a} c[Ⓢ] 2 3 ~ s² s k⁻ p c[Ⓢ] 2 r k Ê Ê s ~ i s , s i³ ^ { g c } a c ~ k ~ 2 } k ^ ~ 3[Ⓢ] k ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 c p ^ a² s k ~ 2⁻ 1 r c[Ⓢ] [Ⓢ] k g k s , k f[Ⓢ] ^ s ~ s } ^ q s ~ q 1 s² r s ~ Ê Í } s ~ 3² k⁻ c p ^[Ⓢ] [Ⓢ] , ^ ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 ^ q k c p g c ~ Â[Ⓢ] } k i ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ p c[Ⓢ] 1 r c } ^ 2 s } k { ^ ~ 2 z ~ c¹ ~ 1 k { { è = < W é c[Ⓢ] 2 s } k c p i s⁻ g c , k[Ⓢ] » c p ~ 2[Ⓢ] c z k ~ » } a² c } ~ 1 ^ ~ i c g³ } k ~ 2 k i ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 ^ q k c p g c ~ Â[Ⓢ] } k i s⁻ g r k } s g ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ p c[Ⓢ] 1 r c } d^Ñ Ê } s ~ 3² k⁻ 1 ^ ~ ^ a k ~ 2 s ~ 2 r k . , ^[Ⓢ] c[Ⓢ] c[Ⓢ] 2 c 2[Ⓢ] ^ ~ p k[Ⓢ] 2 c ^ r s q r k[Ⓢ] î { k , k { ~ 2[Ⓢ] c z k g k ~ 2 k[Ⓢ] è k l q ũ ũ J N * ũ * N * ũ k² g l é p c[Ⓢ] 2 s } k i g[Ⓢ] 2 s g ^ { 2 r k[Ⓢ] ^ a » ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 c p ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ 1 r c³ ~ i k[Ⓢ] q c ~ g[Ⓢ] k k ~ s ~ q p c[Ⓢ] i » ^ a r ^ q s ^ 1 s² r ^ ~ k , s i k ~ g k î f ^ k i f k i ~ s i k² k⁻² s ~ q a[Ⓢ] c² c g c { ^ a a[Ⓢ] c , k i f » 2 r k r c⁻ a s² ^ { f k p c[Ⓢ] k f k s ~ q s , k ~ ^ ~ » p c[Ⓢ] i ũ Á³ s i ~ c[Ⓢ] } k i s g ^ 2 s c ~ f » } c³ 2 r ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 c p ^ g³ 2 k s⁻ g r k } s g ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ 1 r c ^[Ⓢ] [Ⓢ] , k ^ 2 2 r k r c⁻ a s² ^ { 1 s² r s ~ Ê Ê Ê } s ~ 3² k⁻ è Ê İ r c³ [Ⓢ] é c p² s } k { ^ ~ 2 z ~ c¹ ~ 1 k { { ^ ~ i p c[Ⓢ] 1 r c } 6 V 2 r[Ⓢ] c } f c { » 2 s g 1 ^ ~ s ~ s² s ^ 2 k i ^ 2 2 r s⁻ r c⁻ a s² ^ { 1 s² r s ~ Ê Ê Ê } s ~ 3² k⁻ è İ İ r c³ [Ⓢ] é c p² s } k { ^ ~ 2 z ~ c¹ ~ 1 k { { ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 c p s⁻ g r k } s g ~ 2[Ⓢ] c z k ^ ~ i ~ 2[Ⓢ] c z k ~ c² 2 r k[Ⓢ] 1 s⁻ k ^ k g s A k i ^a ^ 2 s k ~ 2⁻ 1 s² r ^ ~ g c[Ⓢ] k[Ⓢ] k ^ a c[Ⓢ] 2 k i p c[Ⓢ] @ 6 5 N² [Ⓢ] c z k N g ^ { k è s ~ s² s ^ { è ũ ! 5 ! NPMÊÊİ
- , c g³ } k ~ 2 ^ 2 s c ~ c p * P c[Ⓢ] ? M 6 f[Ⓢ] ^ s ~ s } ^ q s ~ q s ~ 2 k[Ⓢ] a[Ⓢ] k² ^ 2 s c ~ 1 s² r s ~ İ Í } s ~ 3² k⁻ c p a[Ⓢ] k⁻ k ~ 2 ^ 2 s c ~ ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 c p ^ a² s k ~ 2⁻ 1 r c r ^ i ^ i , ^ ~ g k i ~ c² s Á g ^ 2 s c ~ 2 c 2 r k r c⁻ a s² ^ { a[Ⓢ] c , s i k i f » . ? N ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 ^ q k c p ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ 1 r c[Ⓢ] [Ⓢ] k g k s , k i ^ 2 k { k ~ 2[Ⓢ] c z k g c ~ ~ 3 { 2 ũ ! 5 ! NPMÊÊİ
- Jk[Ⓢ] g k ~ 2 c p ^ g³ 2 k s⁻ g r k } s g ~ 2[Ⓢ] c z k ^a ^ 2 s k ~ 2⁻ [Ⓢ] k g k s , s ~ q² r[Ⓢ] c } f c { » 2 s g 2 r k[Ⓢ] ^ a » i³ [Ⓢ] s ~ q² r k r c⁻ a s² ^ { ~ 2 ^ 〇 2 ^ 2 s c ~ 1 s² r s ~ İ Í

