

Introduction:

(GWTG-S) promotes the latest evidence-based stroke care. The product meets the needs of stroke centers of
^{{ {k, k{^-} cp gk@2sAg^2sC~l} 62 p^gs{s^2^2k^-} C a a C@23~s2sk^-} 2C k~2k@^~i } C~s2C@ i^2^ C~ a^2sk~2^- 1s2r^-2@Czk @k{^2ki is^q~C^-k^-l} s~g{^3 is~q^l s^-grk } sg^-2@Czk^l
rk } C@0r^qsg^-2@Czk^l 2@^~sk~2 s^-grk } sg^22^gz^l^~i^-3 f^@^gr~Csi rk } C@0r^qk^l. {k } k~2^-2@^gzk i s~g{^3 i k r}» a k@^g^3^2k } ^~^qk } k~2^l 2r@C } fC{»^-s^-l
s~2k@, k~2sC~^f{ a@Cgk i 3@k^-l^-kgC~i^@» a@k, k~2sC~^-2@^2kqsk^-l is^-gr^@qk^-l^~i pC{{C^1^i^3 a g^@k^l ! i i s2sC~^f{»^l 2k^ }^-g^~ C a2s } s%k 2rks@^-3^f{s2» s } a@C, k } k~2
^g2s, s2sk^-32s{s%~q 2rk g@k^2s, k @k a C@2s~q g^a a f{s2s k^-} cp C^3@~k^1 k^-2 a{^2pC@ } ^l N3 a k@ Q^-k@ ^ggC^3~2^-^@k^, ^s{^f{k pC@ rk^f2r^-»^2k }^-3^f{s2»
^-2^pp 2C } C~s2C@ 2rk a k@pC@ } ^~gk cp^f{ ^pA{s^2ki^-} s2k^-^f{C^1s~q pC@ rsqr i{k, k{^-3^f{s2» s~s2s^2s, k^-^g@C^-2rk^-»^2k } ^l
Prk ! } k@sg^~5k^@2 !^-Cgs^2sC~^-3 a a C@2^-2rk 4k^2 Ws2r Prk 43sik{s~k^-a{^2pC@ }^-1s2r^z~C^1{k i qk^f{k^2k^ } cp^-3^f{s2» s } a@C, k } k~2gC~^-3{2^~2^-l} !~^i i k i
, ^f{3k^2C C^3@g^3^-2C } k@^-s^-C~qC s~q, s@23^f{k i 3g^2sC~pk^23@s~q q^3sik{s~k i i@s, k~g^@k^l g^3@0k~2 rC^22C^asg^-l } C i k{ i^-r^@s~q^l k^o a k@2gC~^-3{2^~2 a^~k{^-^~i } C@k@

Stroke Achievement Measures:

ACUTE

- Jk@gk~2 Cp a^2sk~2^- 1s2r s^-grk } sg^-2@Czk C@ 2@^~sk~2 s^-grk } sg^22^gz eP6! e^1 rC @kgks, k^~2s2r@C } fC2sg 2rk@^a » f» 2rk k~i Cp
rC^-as2^f{ i^» 2^1 C^l ! 5! NPMÉ
- Jk@gk~2 Cp ^g^3^2k s^-grk } sg^-2@Czk a^2sk~2^- 1rC @0@s, k^2 2rk rC^-as2^f{ 1s2rs~ÉÉÉ
{s~3^2k^-éÉl^f rC^3@^é Cp2s } k{^2 z~C^1~ 1k{f{^~i pC@ 1rC } 6V 2r@C } fC{»2sg 1^~s~s2s^2ki^2 2rs^-rC^-as2^f{ 1s2rs~ÉÉÉ } s~3^2k^-éÉl^f rC^3@^é Cp2s } k{^2 z~C^1~
1k{f^l ! 5! NPMÍ
- Jk@gk~2 Cp a^2sk~2^- 1s2r s^-grk } sg^-2@Czk^l rk } C@0r^qsg^-2@Czk C@^-2@Czk ~C^2 2rk@^1s^-k^-aksAki 1rC
@kgks, k VP. a@C a r»{^os^-2rk i^»
Cp C@ 2rk i^» ^p2k@ rC^-as2^f{ ^i } s^-sC~l ! 5! NPMÍ

AT OR BY DISCHARGE

- Jk@gk~2 Cp a^2sk~2^- 1s2r ^~s^-grk } sg^-2@Czk C@ P6! 1s2r ! 3 is^-gr^@qki C~^~2sgC^q^3{^2sC~
2rk@^a»^l ! 5! NPMÉ
- Jk@gk~2 Cp a^2sk~2^- 1s2r ^~s^-grk } sg^-2@Czk C@ P6! a@k^-g@fki ^~2s2r@C } fC2sg 2rk@^a » ^2 is^-gr^@qk^l ! 5! NPMÉ
- Jk@gk~2^2qk Cp s^-grk } sg^-2@Czk ^~i P6! a^2sk~2^- 1rC @0k @0k^-g@fki rsqr i2s~k~^-s2»^-2^2s~2rk@^a » ^2 is^-gr^@qk BM^l q C^i i » k^@^-
Cp^qk^l^@k a@k^-g@fki^2{k^2 } C i k@^2k i s~2k~^-s2»^-2^2s~2rk@^a » ^2 is^-gr^@qk^l ! 5! NPMÍ
- Jk@gk~2 Cp a^2sk~2^- 1s2r s^-grk } sg C@ rk } C@0r^qsg^-2@Czk^l C@ P6! 1s2r^rs^-2C@» Cp^- } Czs~q gq^@k^2k^-l 1rC^@k^l C@ 1rC^-k g^@kqs, k@^-^@k^l
qs, k~^- } Czs~q gk^-^2sC~^i, sgk C@ gC^3~k{s~q i^3@s~q rC^-as2^f{^-2^»^l ! 5! NPMÍ

COMPOSITE AND DEFECT-FREE MEASURES

- Prk gC } aC^-s2k^-3^f{s2» Cp g^@k } k^~3@k s~isg^2k^-rC^1 1k{f{2rk rk^f2r g^@k^-»^2k } iCk^-2C a@C, sik^a a a C@a@s^2k^l k, sik~gk i f^~ki
s~2k@, k~2sC~^-pC@ k^gr a^2sk~2^l ! 5! NPMÍ
- , kpg2ip@kk } k^~3@k q^3qk^-rC^1 1k{f{»C^3@ rC^-as2^f{ isi s~a@C, sis~q^f{2rk^a a a C@a@s^2k s~2k@, k~2sC~^-2C k, k@» a^2sk~2^l ! 5! NPMÍÉ

Stroke Quality Measures:

ACUTE

- Jk@gk~2 Cp^-2@Czk a^2sk~2^- 1rC^3~i k@qC^-g@kk~s~q pC@ i^» a r^q s^1s2r^~k, sik~gk i f^~ki fki^-sik^2k^-2s~q a@C2cgC{^a a a C, ki f» 2rk
rC^-as2^f{ fkpC@k fks~q qs, k~^» pC@ i^l A^3si^-C@ } kisg^2sC~f } C^32r^l ! 5! NPMĐ
- Jk@gk~2 Cp s^-grk } sg^-2@Czk ^~i^-2@Czk ~C^2 2rk@^1s^-k^-aksAki a^2sk~2^- 1s2r^~gC@k @k a C@2ki
pC@ @65 N2@Czk Ng^f{k ès~s2s^f{d} ! 5! NPMÉÉ
- Jk@gk~2 Cp ^g^3^2k s^-grk } sg^-2@Czk a^2sk~2^- @kgks, s~q s~2@^, k~C^3~2s^-3k^a{^~ } s~Cqk~^g2s, ^2C@
è2r@C } fC{»2sgé 2rk@^a » i^3@s~q 2rk rC^-as2^f{^-2^» 1rC r^, k^2s } k p@C } rC^-as2^f{^@0@s, ^f{2C s~s2s^2sC~ Cp 2r@C } fC{»2sg 2rk@^a » ^i } s~s^-2@^2sC~è i C@0i2C i~k ki {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~kki p¢@ p¢ { ¢ 1 3a ^p2k@
is~gr^@qk ^~i } kisg^2s¢~ ~a@k~g@sfkiù !5!NPMÉE

Stroke Reporting Measures:

ACUEF0F0NnUaQeV6RNarNn@LVoJNnYAD2AV@0nVAc@

- ## AT OR BY DISCHARGE

- ## STROKE DESCRIPTIVE MEASURES

- $J^{\wedge 2} s k^{-2-} q \otimes \mathbb{C}^3 a k i f \gg \wedge \{ k \} ! 5 ! N P M \hat{I} \hat{E}$
- $J^{\wedge 2} s k^{-2-} q \otimes \mathbb{C}^3 a k i f \gg \hat{A}^{-} \wedge \{ g \} s^{-} s g \wedge \{ i s^{\wedge} q^{-} \mathbb{C}^{-} s^{-} \} k \{^{\wedge 2} k i^{\wedge} 2 \mathbb{C}^{-} 2 \otimes c z k \} ! 5 ! N P M \hat{I} \hat{E}$
 $, \gg^{-} a r^{\wedge} q s^{\wedge} \bar{g} \otimes k k^{-} s^{-} q \otimes k^{-} 3 \{ 2^{-} \bar{U} \} a^{\wedge 2} s k^{-2-} q \otimes \mathbb{C}^3 a k i f \gg i \gg^{-} a r^{\wedge} q s^{\wedge} \bar{g} \otimes k k^{-} s^{-} q \otimes k^{-} 3 \{ 2^{-} \bar{U} \} ! 5 ! N P M \hat{I} \hat{I}$
- $J k \otimes g k^{-2} \mathbb{C} p k \} \wedge \{ k \bar{U} \} \wedge \{ k^{\wedge} i^{\wedge} 3^{-} z^{-} \mathbb{C} 1^{-} \sim a^{\wedge 2} s k^{-2-} \bar{U} \} ! 5 ! N P M \hat{I} \hat{I}$
- $J^{\wedge 2} s k^{-2-} q \otimes \mathbb{C}^3 a k i f \gg s^{-} s 2 s^{\wedge} \{ k^{\circ} \wedge \} \hat{A}^{-} i s^{-} q^{-} \bar{U} ! 5 ! N P M \hat{I} \hat{I}$
- $= B N q \otimes \mathbb{C}^3 a k i f \gg i s^{\wedge} q^{-} \mathbb{C}^{-} s^{-} \bar{U} ! 5 ! N P M \hat{I} \hat{I}$
- $! r s^{-} 2 \mathbb{C} q \otimes^{\wedge} \} \mathbb{C} p^a \otimes k, s \mathbb{C}^3 \{- \gg z^{-} \mathbb{C} 1^{-} \} k i s g^{\wedge} \{ r s^{-} 2 \mathbb{C} \otimes \gg \bar{U} \} ! 5 ! N P M \hat{I} \hat{D}$
- $J^{\wedge 2} s k^{-2-} q \otimes \mathbb{C}^3 a k i f \gg \otimes^{\wedge} g k^{\wedge} i^{\wedge} 5 s^{-} a^{\wedge} \sim s g k^2 r^{-} s g s^2 \gg \bar{U} \} ! 5 ! N P M \hat{I} \hat{N}$
- $! \otimes^{\wedge 2} s \mathbb{C} g \mathbb{C} \} a^{\wedge} \otimes s^{-} q^2 r k^{\wedge} g^2 3^{\wedge} \{ s^{-} \bar{I} r \mathbb{C}^{-} a s^2 \wedge \} \} \mathbb{C} \otimes^2 \wedge \{ s^2 \gg \otimes^{\wedge 2} k^2 \mathbb{C}^2 r k \otimes s^{-} z \bar{I}^{\wedge} i y^3 \bar{2} k i^{\wedge} k^{\circ} a k g^2 k i \} \mathbb{C} \otimes^2 \wedge \{ s^2 \gg \otimes^{\wedge 2} k \bar{U} \} ! \otimes^{\wedge 2} s \mathbb{C} k^{-3} \wedge \{ 2 \mathbb{C} \hat{E} s^{-} s^{-} 2 k^{\circ} a \otimes^{\wedge 2} k i^{\wedge} \bar{U}^{-} \mathbb{C} i s p p k \otimes k^{-} g k f k^2 1 k k^{-} 2 r k r \mathbb{C}^{-} a s^2 \wedge \{ \bar{U}^{-} \} \mathbb{C} \otimes^2 \wedge \{ s^2 \gg \otimes^{\wedge 2} k^{\wedge} i^{\wedge} 2 r k k^{\circ} a k g^2 k i^{\wedge} \bar{U} \} ! \otimes^{\wedge 2} s \mathbb{C} q \otimes k^{\wedge 2} k \otimes 2 r^{\wedge} \wedge \hat{E} s^{-} i s g^{\wedge 2} k^{-} 2 r^{\wedge 2} 2 r k r \mathbb{C}^{-} a s^2 \wedge \{ \bar{U}^{-} \} \mathbb{C} \otimes^2 \wedge \{ s^2 \gg \otimes^{\wedge 2} k s^{-} \{ \mathbb{C} 1 k \otimes 2 r^{\wedge} \wedge 2 r k k^{\circ} a k g^2 k i^{\wedge} \bar{U} \} ! 5 ! N P M \hat{I} \hat{E}$
- $! \otimes^{\wedge 2} s \mathbb{C} g \mathbb{C} \} a^{\wedge} \otimes s^{-} q^2 r k^{\wedge} g^2 3^{\wedge} \{ s^{-} \bar{I} r \mathbb{C}^{-} a s^2 \wedge \} \} \mathbb{C} \otimes^2 \wedge \{ s^2 \gg \otimes^{\wedge 2} k^2 \mathbb{C}^2 r k \otimes s^{-} z \bar{I}^{\wedge} i y^3 \bar{2} k i^{\wedge} k^{\circ} a k g^2 k i \} \mathbb{C} \otimes^2 \wedge \{ s^2 \gg \otimes^{\wedge 2} k \bar{U} \} ! \otimes^{\wedge 2} s \mathbb{C} k^{-3} \wedge \{ 2 \mathbb{C} \hat{E} s^{-} s^{-} 2 k^{\circ} a \otimes^{\wedge 2} k i^{\wedge} \bar{U}^{-} \mathbb{C} i s p p k \otimes k^{-} g k f k^2 1 k k^{-} 2 r k r \mathbb{C}^{-} a s^2 \wedge \{ \bar{U}^{-} \} \mathbb{C} \otimes^2 \wedge \{ s^2 \gg \otimes^{\wedge 2} k^{\wedge} i^{\wedge} 2 r k k^{\circ} a k g^2 k i^{\wedge} \bar{U} \} ! \otimes^{\wedge 2} s \mathbb{C} q \otimes k^{\wedge 2} k \otimes 2 r^{\wedge} \wedge \hat{E} s^{-} i s g^{\wedge 2} k^{-} 2 r^{\wedge 2} 2 r k r \mathbb{C}^{-} a s^2 \wedge \{ \bar{U}^{-} \} \mathbb{C} \otimes^2 \wedge \{ s^2 \gg \otimes^{\wedge 2} k s^{-} \{ \mathbb{C} 1 k \otimes 2 r^{\wedge} \wedge 2 r k k^{\circ} a k g^2 k i^{\wedge} \bar{U} \} ! 5 ! N P M \hat{I} \hat{E}$
- $P_6 \{ a^{\wedge 2} s k^{-2-} a \otimes \mathbb{C}^3 a k i f \gg \bar{U} \} \gg a^2 \mathbb{C} \} i^3 \otimes^{\wedge 2} s \mathbb{C} \bar{U} \} ! 5 ! N P M \hat{I} \hat{E}$

INTRACEREBRAL HEMORRHAGE (ICH) MEASURES

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

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 ^ 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 ^ a² s k ~ 2⁻ 1 s² r ^ ~ g c[Ⓢ] k[Ⓢ] k ^ a c[Ⓢ] 2 k i p c[Ⓢ] @ 6 S 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

