The patient is unable to walk even with another person's assistance.  If placed in a wheelchar, unable to self-propel effectively.  Alay frequently be incontinent.  Requires nearly constant care (provided by either a trained or untrained caregiver); someone needs to be available nearly at all interes.  RX4 ASSISTANCE TO WALK: 'Is another person's assistance essential for walking?'  Requiring another person's assistance means needing another person to be always present when walking, including indoors around house or ward, to provide physical help, verbal instruction, or supervision.  - Patients who use physical aids to walk (slick, walker) but do not require another person's help, are NOT rated as requiring assistance to walk.  - For patients who use wheelchairs, patient needs another person's assistance to transfer into and out of chair, but can self-propel effectively without assistance.  RX3 ASSISTANCE TO LOOK AFTER OWN AFFAIRS': 'Could the patient live alone for 1 week if helshe absolutely had to?'  3.1 Is assistance assential for preparing a simple meal?  3.2 Is assistance assential for preparing a simple meal?  3.3 Is assistance assential for looking after household chores?  3.3 Is assistance assential for looking after household expenses and to manage day-to-day purchases  3.4 Is assistance assential for looking after household expenses and to manage day-to-day purchases  3.5 Is assistance assential for looking after household expenses and to manage day-to-day purchases  3.6 Telephone use: Is assistance assential for look up and dial numbers?  RX2 ILIMITATIONS IN PARTICIPATION IN USUAL DUTIES AND ACTIVITIES: Has there been a change in the persons ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)  2. Has the new stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)  3. Is this reduced f	Rk5	BEDRIDDEN: 'Is the person bedridden?'			
Alsy frequently be incontinent.   Requires nearly constant care (provided by either a trained or untrained caregiver); someone needs to be available nearly at all imms.   Requiring another person's assistance essential for walking?   Requiring another person's assistance means needing another person to be always present when walking, including indoors around house or ward, to provide physical help, verbal instruction, or supervision.   Patients who use physical aids to walk (stick, walker) but do not require another person's help, are NOT rated as requiring assistance to walk.   For patients who use wheelchairs, patient needs another person's assistance to transfer into and out of chair, but can self-propel effectively without assistance.   Yes   No   No   No   No   No   No   No   N				□ Yes □ No	
Rk4 ASSITANCE TO WALK: 'Is another person's assistance essential for walking?'  -Requiring another person's assistance means needing another person to be always present when walking, including indoors around house or ward, to provide physical help, verbal instruction, or supervision.  - Patients who use physical aids to walk (stick, walker) but do not require another person's help, are NOT rated as requiring assistance to walk.  -For patients who use wheelchairs, patient needs another person's assistance to the valk.  -For patients who use wheelchairs, patient needs another person's assistance to the valk.  -For patients who use wheelchairs, patient needs another person's assistance to transfer into and out of chair, but can self-propel effectively without assistance.  Rk3 ASISTANCE TO LOOK AFTER OWN AFFAIRS¹: 'Could the patient live alone for 1 week if he/she absolutely had to?'  3.1 is assistance essential for preparing a simple meal?  3.2 is assistance essential for basic household chores?  3.3 is assistance essential for looking after household expenses and to manage day-to-day purchases  3.4 is assistance essential for look ing after household expenses and to manage day-to-day purchases  3.5 is assistance essential for look ing after household expenses and to manage day-to-day purchases  3.6 Telephone use: is assistance essential for look up and dial numbers?  Rk2 LIMITATIONS IN PARTICIPATION IN USUAL DUTIES AND ACTIVITIES: 'Has there been a change in the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)  2.1 Has the new stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)  2.2 Has the new stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)  2.1					
Intens.  Rk4 ASSISTANCE TO WALK: is another person's assistance essential for walking?  -Requiring another person's assistance means needing another person to be always present when walking, including indoors around house or ward, to provide physical help, verbal instruction, or supervision.  - Patients who use physical aids to walk (stock walker) but do not require another person's help, are NOT rated as requiring assistance to walk.  -For patients who use wheelchairs, patient needs another person's assistance to transfer into and out of chair, but can self-propel effectively without assistance.  Rk3 ASSISTANCE TO LOOK AFTER OWN AFFAIRS!: 'Could the patient live alone for 1 week if he/she absolutely had to?'  3.1 Is assistance essential for preparing a simple meal?  3.2 Is assistance essential for basic household chores?  3.3 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.4 Is assistance essential for local travel and transportation?  3.5 Is assistance essential for local travel and transportation?  3.6 Telephone use: Is assistance essential for look up and dial numbers?  Rk2  ILIMITATIONS IN PARTICIPATION IN USUAL DUTIES AND ACTIVITIES: Has there been a change in the person's ability to work or for a student, to study? (change from full-time to participate to leisure activities as compared with prestroke status? This supposes that it is due to the new stroke itself:  1. Has the stroke substaintially reduced the person's ability to work or, for a student, to study? (change from full-time to participate to leisure activities as compared with prestroke status? This supposes that it is due to the new stroke itself:  2.1 Has the new stroke reduced the person's ability to work or, for a student, to study? (change from full-time to participate to leisure activities or require intensity.)  3. It is not need to the person's ability to work or, for a student, to study?  4. It is not need to the new stroke reduced the person's ability to work or, for a student, to stud					
-Requiring another person's assistance means needing another person to be always present when walking, including indoors around house or ward, to provide physical help, verbal instruction, or supervision.  - Patients who use physical aids to walk (stick, walker) but do not require another person's help, are NOT rated as requiring assistance to walk.  -For patients who use wheelchairs, patient needs another person's assistance to transfer into and out of chair, but can self-propel effectively without assistance.  RX3 ASSISTANCE TO LOOK AFTER OWN AFFAIRS': Could the patient live alone for 1 week if he/she absolutely had to?'  3.1 Is assistance essential for preparing a simple meal?  3.2 Is assistance essential for busichold chores?  3.3 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.4 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.5 Is assistance essential for taking medication in correct dosages at correct time (includes preparation in advance, recall yes No and supervision)?  3.6 Telephone use: Is assistance essential for look up and dial numbers?  RX2 LIMITATIONS IN PARTICIPATION IN USUAL DUTIES AND ACTIVITIES: 'Has there been a change in the person's ability to work or, for a student, to study? (change from full-time to yes No part-time, change in level of responsibility, or unable to work at all)  2.2 Has the row stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to yes No No part-time, change in level of responsibility, or unable to work at all)  2.3 Is this reduced free-time activities attributable to physical/medical problem other than stroke?  3. Yes No Persisting SYMPTOMS AS A RESULT OF THE STROKE: Does the patient have any symptoms resulting from the new stroke reduced the person's ability to look of, for some participation of the participation of manage activities?  4. Yes No Has the new stroke and the participation of the properson of the p					
around house or ward, to provide physical help, werbal instruction, or supervision.  - Patients who use physical aids to walk (stick, walker) but do not require another person's help, are NOT rated as requiring assistance to walk.  - For patients who use wheelchairs, patient needs another person's assistance to transfer into and out of chair, but can self-propel effectively without assistance.  Rk3	Rk4	ASSISTANCE TO WALK: 'Is another person's assistance essential for walking?'			
- Patients who use physical aids to walk (stick, walker) but do not require another person's help, are NOT rated as requiring assistance to walk.  -For patients who use wheelchairs, patient needs another person's assistance to transfer into and out of chair, but can self-propel effectively without assistance.  Rk3					
assistance to walkFor patients who use wheelchairs, patient needs another person's assistance to transfer into and out of chair, but can self-propel effectively without assistance.  RK3 ASSISTANCE TO LOOK AFTER OWN AFFAIRS': 'Could the patient live alone for 1 week if he/she absolutely had to?'  3.1 Is assistance essential for preparing a simple meal?  3.2 Is assistance essential for bosic household chores?  3.3 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.4 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.5 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.6 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.7 Yes No  3.8 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.9 Yes No  3.0 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.0 Yes No  3.1 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.0 Yes No  3.1 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.1 Yes No  3.2 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.2 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.1 Yes No  3.2 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.3 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.4 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.7 Yes No  3.8 Yes No  3.9 Yes No  3.9 Yes No  3.9 Yes No  3.1 Yes No  3.1 Yes No  3.1 Yes No  3.2 Is this rective substantially reduced the person's ability to work or, for a student, to study? (change from full-time to particular purchases)  3		round house or ward, to provide physical help, verbal instruction, or supervision.		□ Yes □ No	
propel effectively without assistance.  Rk3 ASSISTANCE TO LOOK AFTER OWN AFFAIRS¹: Could the patient live alone for 1 week if he/she absolutely had to?¹  3.1 Is assistance essential for preparing a simple meal?					
Rk3 ASSISTANCE TO LOOK AFTER OWN AFFAIRS¹: 'Could the patient live alone for 1 week if he/she absolutely had to?'  3.1 Is assistance essential for preparing a simple meal?  3.2 Is assistance essential for basic household chores?  3.3 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.4 Is assistance essential for local travel and transportation?  3.5 Is assistance essential for taking medication in correct dosages at correct time (includes preparation in advance, recall and spervision)?  3.6 Telephone use: Is assistance essential for look up and dial numbers?  Rk2 LIMITATIONS IN PARTICIPATION IN USUAL DUTIES AND ACTIVITIES: 'Has there been a change in the person's ability to work or look after others or participate to leisure activities as compared with prestores status? This supposes that it is due to the new stroke itself'.  2.1 Has the stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)  2.2 Has the new stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)  2.3 Is this reduced free-time activities attributable to physical/medical problem other than stroke?  3.4 Is this reduced the person's regular free-time activities?  3.5 Is this reduced free-time activities attributable to physical/medical problem other than stroke?  3.6 Telephone use: Is assistance essential for look after family at home?  3.7 Is the new stroke substantially reduced the person's regular free-time activities?  3.8 Is the new stroke problems as a result of the stroke?  3.9 Is this reduced free-time activities attributable to physical/medical problem other than stroke?  3.9 Is this reduced free-time activities attributable to physical/medical problem other than stroke?  3.0 Is the new stroke substantially reduced the person's regular					
3.1 Is assistance essential for preparing a simple meal?  3.2 Is assistance essential for basic household chores?  3.3 Is assistance essential for looking after household expenses and to manage day-to-day purchases  3.4 Is assistance essential for local travel and transportation?  3.5 Is assistance essential for taking medication in correct dosages at correct time (includes preparation in advance, recall supervision)?  3.6 Telephone use: Is assistance essential for look up and dial numbers?  RK2 LIMITATIONS IN PARTICIPATION IN USUAL DUTIES AND ACTIVITIES: 'Has there been a change in the person's ability to work or look after others or participate to leisure activities as compared with prestroke status? This supposes that it is due to the new stroke itself.'  2.1 Has the stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all!)  2.2 Has the new stroke substantially reduced the person's ability to look after family at home?  2.3 Has the new stroke reduced the person's regular free-time activities??  3.4 Is this reduced free-time activities attributable to physical/medical problem other than stroke?  3.6 Telephone of the person's regular free-time activities?  3.7 Is this reduced free-time activities attributable to physical/medical problem as any symptoms resulting from the new stroke?  3.8 Is the stroke?  3.9 Is this reduced free-time activities attributable to physical/medical problem as any symptoms resulting from the new stroke?  3.0 Is this reduced free-time activities attributable to physical/medical problem as any symptoms resulting from the new stroke?  3.0 Is this reduced free-time activities attributable to physical/medical problem as a result of the stroke?  3.0 Is the person have:  3.1 Is the stroke substantially the person have:  3.2 Is the person finding the right word?  3.3 Is the person have the person have:  3.4 Is the stroke and the person have:  3.5 Is the person have					
Seassistance essential for basic household chores?					
Seasistance essential for looking after household expenses and to manage day-to-day purchases   Yes   No	3.1	Is assistance essential for preparing a simple meal?	□ Yes	□ No	
Sassistance essential for local travel and transportation?   Sassistance essential for taking medication in correct dosages at correct time (includes preparation in advance, recall and supervision)?   Sassistance essential for look up and dial numbers?   Sassistance essential for look of look after family at home?   Sassistance essential for look of look of look after family at home?   Sassistance essential for look of look of look after family at home?   Sassistance essential for look of look of look of look of look after fam	3.2	Is assistance essential for basic household chores?	□ Yes	□ No	
Season   S	3.3	Is assistance essential for looking after household expenses and to manage day-to-day purchases	□ Yes	□ No	
and supervision)?  Telephone use: Is assistance essential for look up and dial numbers?  IMITATIONS IN PARTICIPATION IN USUAL DUTIES AND ACTIVITIES: 'Has there been a change in the person's ability to work or look after others or participate to leisure activities as compared with prestroke status? This supposes that it is due to the new stroke itself.'  1. Has the stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at at all)  2.2. Has the new stroke substantially reduced the person's ability to look after family at home?  2.3. Has the new stroke reduced the person's regular free-time activities??  2.4. Has the new stroke reduced the person's regular free-time activities??  3.5. Is this reduced free-time activities attributable to physical/medical problem other than stroke?  4. Yes No  2.3. Is this reduced free-time activities attributable to physical/medical problem other than stroke?  4. Yes No  2. Addificulty reading or writing?  4. Yes No  4. Offficulty reading or writing?  5. Yes No  4. Ves No  5. Seleping difficulty?  6. Yes No  6. Headsche as a result of the stroke?  6. Yes No  6. Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)?	3.4	Is assistance essential for local travel and transportation?	□ Yes	□ No	
LIMITATIONS IN PARTICIPATION IN USUAL DUTIES AND ACTIVITIES: 'Has there been a change in the person's ability to work or look after others or participate to leisure activities as compared with prestroke status? This supposes that it is due to the new stroke itself.'    2.1   Has the stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)   2.2   Has the new stroke substantially reduced the person's ability to look after family at home?	3.5		□ Yes	□ No	
after others or participate to leisure activities as compared with prestroke status? This supposes that it is due to the new stroke itself.'  2.1 Has the stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)  2.2 Has the new stroke substantially reduced the person's ability to look after family at home?  2.3 Has the new stroke reduced the person's regular free-time activities?  2.3 Is this reduced free-time activities attributable to physical/medical problem other than stroke?  2.3 Is this reduced free-time activities attributable to physical/medical problem other than stroke?  2.4 PERSISTING SYMPTOMS AS A RESULT OF THE STROKE: 'Does the patient have any symptoms resulting from the new stroke?'  3. Jesting or writing?  4. Jesting or writing?  5. Jesting or writing?  6. Jesting or writing?  7. Jesting or writing?  7. Jesting or writing?  8. Jesting or writing?  8. Jesting or writing?  9. Jesting	3.6	Telephone use: Is assistance essential for look up and dial numbers?	□ Yes	□ No	
Has the stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to part-time, change in level of responsibility, or unable to work at all)   Part time, change in level of responsibility, or unable to work at all)   Has the new stroke substantially reduced the person's ability to look after family at home?	Rk2				
Has the new stroke substantially reduced the person's ability to look after family at home?	2.1	Has the stroke substantially reduced the person's ability to work or, for a student, to study? (change from full-time to			
2.3 Is this reduced free-time activities attributable to physical/medical problem other than stroke?	2.2		□ Yes	□ No	
2.3 Is this reduced free-time activities attributable to physical/medical problem other than stroke?   Yes   No    Rk1 PERSISTING SYMPTOMS AS A RESULT OF THE STROKE: 'Does the patient have any symptoms resulting from the new stroke?'	2.3	Has the new stroke reduced the person's regular free-time activities <sup>2</sup> ?	□ Yes	□ No	
new stroke?' 'Does the person have:'  -difficulty reading or writing?	2.3		□ Yes	□ No	
-difficulty reading or writing? -difficulty speaking or finding the right word? -problems with balance or coordination? -visual problems as a result of the stroke? -numbness (face, arms, legs, hands, feet)? -weakness or loss of movement (face, arms, legs, hands, feet)? -difficulty with swallowing? -sleeping difficulty? -headache as a result of the stroke? -Yes No -Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)? -Loss of consciousness?	Rk1				
-difficulty speaking or finding the right word? -problems with balance or coordination? -visual problems as a result of the stroke? -numbness (face, arms, legs, hands, feet)? -weakness or loss of movement (face, arms, legs, hands, feet)? -difficulty with swallowing? -difficulty? -sleeping difficulty? -headache as a result of the stroke? -Yes No -Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)? -Loss of consciousness?			□ Yes	□ No	
-problems with balance or coordination? -visual problems as a result of the stroke? -visual problems as a result of the stroke? -numbness (face, arms, legs, hands, feet)? -weakness or loss of movement (face, arms, legs, hands, feet)? -difficulty with swallowing? -sleeping difficulty? -headache as a result of the stroke? -Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)? -Loss of consciousness?			_		
-numbness (face, arms, legs, hands, feet)?  -weakness or loss of movement (face, arms, legs, hands, feet)?  -difficulty with swallowing?  -sleeping difficulty?  -headache as a result of the stroke?  -Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)?  -Loss of consciousness?			_		
-weakness or loss of movement (face, arms, legs, hands, feet)?  -difficulty with swallowing?  -yes No  -sleeping difficulty?  -headache as a result of the stroke?  -Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)?  -Loss of consciousness?		-visual problems as a result of the stroke?	□ Yes	□ No	
-difficulty with swallowing? -sleeping difficulty? -headache as a result of the stroke? -Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)? -Loss of consciousness?  - Yes - No			□ Yes		
-sleeping difficulty? -headache as a result of the stroke? -Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)? -Loss of consciousness?  - Yes - No		, , , , , ,			
-headache as a result of the stroke?  -Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)?  -Loss of consciousness?		g			
-Otherwise unexplained reduction of activities, or anxiety, or depressive mood or sadness or repetitive concerns (especially about his/her health or situation)?  -Loss of consciousness?					
(especially about his/her health or situation)?  -Loss of consciousness?					
			□ Yes	□ NO	
Other symptoms? details: Pos No					
		Other symptoms? details:	□ Yes	□ No	

<sup>1.</sup> Assistance includes physical help, verbal instructions or supervision by others

<sup>2.</sup> Social and leisure activities includes activities outside the home or at home; Activities outside the home: going to the coffee shop, bar, restaurant, club, church, cinema, visiting friends, going for walks; Activities at home: involving "active" participation including knitting, sewing, painting, games, reading books, home improvements.

Procedure: Examiners had to read each proposal to the patient and caregiver and when impairment was detected, the corresponding Rankin grade had to be selected. The examiner might also gather data from other sources, such as records, nurse notes and medical files. The examiner was instructed to rate what the patient actually did. The only exceptions concerned situations where the patient could clearly perform the activity in a fully independent manner but it was not performed for contextual reasons: patients able to work but not returning to work because the stroke occurred just before retirement (early retirement); patient able to perform basic activities but the carer prefers to do them because of time pressure; patient not confronted with specific activities (complex financial activities, transportation, meal preparation) since hospital discharge.