Version 18.a To be used for all acute stroke registrations from 1 January 2018 and onwards.

To register a TIA diagnosis without thrombolysis or thrombectomy, please use the separate TIA form.

RIKSSTROKE - ACUTE PHASE FOR REGISTRATION OF STROKE

Personal ID number	
Name	Gender 1 = man 2 = woman II
Reporting hospital II_I_I	Ward/Department III
Completed by (name of person completing this form)	
Date deceased (YYMMDD) (relates to death in hospital)	I <u>I</u> I <u>II</u> I_I
Stroke diagnosis I 61= Cerebral haemorrhage I 63= Cerebral infarction I 64= Acute cerebrovascular disease, not specified G 45.X= TIA (as result of thrombolysis or thrombecto within 24 hours of onset)	I/G II_I_I as haemorrhage or infarction my for stroke with complete symptom regression
Patient woke up with symptoms 1= yes 2= no 9= not known	II
Date of onset (YYMMDD)	IIIII
Time of onset (HRS.MIN)	II_I.II
If the patient woke up with symptoms, specify the time of the admitted patient had suffered a stroke and the time recently asymptomatic. If only a full hour can be determined, specify the minute secondly the minutes as "99" and specify the closest point of the time of onset is not known, record "99.99" and specify the closest point of the time of onset is not known, record "99.99" and specify the closest point of the time of onset is not known, record "99.99" and specify the closest point of the time of onset is not known, record "99.99" and specify the time of t	s firstly as the nearest full or half hour; then specify ssible <i>Time interval</i> below.
Time interval from onset to arrival at hospital (Answer if the time of onset is unknown [99.99] or if on	II ly the hour can be determined [ex 10.99])
1 = within 3 hours 2 \mathbf{a} = within 4.5 hours 2 \mathbf{b} = within 6	nours 3 = within 24 hours 4 = after 24 hours 9 = not known
If the patient woke up with symptoms, specify the time is asymptomatic.	
If the admitted patient had suffered a stroke and the symptoms), specify the closest possible time interv	e time of onset is unknown (the <u>last time</u> without all from onset to identification of this stroke episode.

	rrived by ambulance			11
1 = yes	2 = no 9 = not kno	own		
The pation	ent was already admit	red at the hospital at the time of the stroke e	pisode	II
1= yes	2 = no	-	-	
Thrombo	osis/thromectomy alar	m "Save the brain/stroke alarm"		II
1 = yes	2 = no 9 = not kno	own		
THROM	IBECTOMY centre/or	-call contacted for opinion on thrombectom	ıy	II
1 = yes	2 = no 9 = not know	vn		
		ARRIVED AND ADMITTED	·	
	at hospital for initial tr the hospital where the p	eatment patient initially received treatment for this strol	ke episode)	
Ar	rival date at hospital (YYMMDD)	IIII	IIII
Ti	me of arrival at hospit	al (hrs.min)	I!	I.II
Sp	ecify Riksstroke hospi	tal code 888= code for overseas 999= unknown	wn hospital code	III
The pation 1= yes	ent was admitted for to 2= no	reatment for this stroke episode		II
Initially	admitted at			II
1 = ward	department other than t	hose specified in choice of response below (2,	3, 4 or 6)	
2= stroke	unit	3= admissions/obs. ward		
4 = Intens	ive care unit	5 = other (please specify)		
6 = Depar	tment of Neurosurgery	9= not known		
	at stroke unit for initia the stroke unit where th	I treatment be patient initially received treatment for this st	troke episode)	
Da	te of arrival at stroke	unit (YYMMDD)	III	_III_I
Ti	me of arrival att stroke	e unit (HRS.MIN)	II_	_I.II
Sp	ecify Riksstroke hospi	tal code 888= code for overseas 999= unknown	wn hospital code	

ADL/Accommodation <u>BEFORE ONSET</u> of stroke	
The following applies to all choices of response related to ADL/Accommodation: 9=not known	
Accommodation 1= own accommodation without home help (home help does <u>not</u> mean home nursing or advanced home nursing) 2= own accommodation with home help (home help does <u>not</u> mean home nursing or advanced home nursing) 3= arranged accommodation (e.g. service flat with full board, temporary accommodation, nursing home or equivalent to the property of the property accommodation of the prope	0.
Those living alone 1= patient lives entirely on his/her own 2= patient shares his/her household with spouse/partner or other person e.g. sibling, child or parents	I
Requires assistance (includes assistance with personal ADL and/or household ADL) 1= patient can cope on his/her own without assistance 2= patient requires assistance from another person	[I
Mobility 1= patient could move around without supervision both indoors and outdoors (use of walking-aid permitted) 2= patient was able to move around by himself/herself indoors but not outdoors (use of walking-aid permitted) 3= patient was assisted by another person when moving around, or was bedridden	[I
Toilet visits 1= patient managed toilet visits without any help 2= patient was unable to get to the bathroom or go to the toilet without help, used a bedpan or incontinence pads or required assistance when wiping him/herself or getting dressed	<u></u> I
Clothes 1 = patient was able to get dressed without help, including outdoor clothes, socks and shoes, or only needed help when tying shoelaces 2 = patient needed someone to fetch his/her clothes or needed help with dressing/undressing, or remained undressed	I

ACI				
	RISK FAC	CTORS		
Respond using: 1= yes 2= no 9= not ki	nown			
Previous stroke				II
Previous TIA / Amaurosis fugax? (Does n	ot apply to G4	5.4 transitor	ry global amnesia)	II
Atrial fibrillation, previously diagnosed (including intermittent fibrillation or flutter)				II
Atrial fibrillation, recently identified on a (including intermittent fibrillation or flutter)	-	ital or duri	ng treatment time	II
Diabetes, previously diagnosed or recently	y identified			II
Treated for hypertension at onset of strok	кe			II
Smoker (1 cigarette or more/day, or quit du	ring the last thr	ree months)		II
STR	OKE LEVEL	OF SEVE	RITY	
Level of consciousness on arrival at 1 = fully awake (RLS 1) 2 = drowsy but reknown	•	imulus (RL	S 2-3) 3 = unconscious (RI	II LS 4-8) 9= not
NIHSS (National Institute of Health Stroke Riksstroke NIHSS form (no modified or all Specify total points (if 24 points or more, pl	bbreviated scal		in 24 hrs) using 99= not known/not exami	II_I ined
EXAMINA	TION OF BR	AIN AND	VESSELS	
CT brain scan during treatment	1 = yes	2 = no	9= not known	II
MRI brain scan during treatment	1 = yes	2 = no	9 = not known	II
If yes and diagnosis is brain infarct 1= showed new cerebral infarction or not known			_	II result uncertain
CT angiography performed (does not refe	r to CT perfusi	on)		III
1a= yes, directly related to the initial CT sca	$\mathbf{1b} = \mathbf{yes}, \mathbf{la}$	iter during t	reatment	
2= no 3=examination within 28 days before Examination date (YY-MM-DD)	re onset of stroi		known	
•	amination with	nin 28 days	before onset of stroke	II
Examination date (YY-MM-DD)	I	I	[IIII	

(always ask a doctor if uncertain about which vessels)	II
1= carotid vessels 2= intracranial vessels 3= both carotid and intracranial vessels 9= no	t known
Carotid ultrasound performed	II
1= yes 2= no 3= examination within 28 days before onset of stroke	
4 = planned for after discharge 9 = not known	
Examination date (YY-MM-DD) II_I_I_III	
SWALLOWING FUNCTION/SPEECH EXAMINATION	
Swallowing function tested	lI
1= yes (documented in medical records) 2= no/not known(not performed or documentation missing in medical	l records)
3= not examined due to patient's reduced consciousness	
Evaluated by a speech therapist or another dysphagia specialist for swallowing function during treatment	II
1 = yes 2 = no, no need	
3= no; patient has need but no speech therapist or other dysphagia specialist available	
9= not known or patient declines evaluation	
Evaluated by speech therapist for difficulties with speech during treatment	
1= yes 2= no; no need 3= no; patient has need but no speech therapist available	II
4= no, but ordered for after discharge 5= no 9= not known or patient declines evaluation	
HEART EXAMINATION	
Long term ECG at least 24 hrs (telemetry, Holter or equivalent) performed during period of treatment	
1= yes 2= yes 3= no, ordered for after discharge 9= not known	·
INFORMATION	
-	
Smoker informed at onset of need to quit smoking	II
1= yes 2= no, or patient has declined information 3= not relevant due to patient's condition	
9= not known	
Information provided regarding driving	<u></u>
1= yes 2= no 3= not relevant/no driving licence or due to patient's condition 9= not known	

	РПА	RWIACEUTICAL TRI	EATMENT		
Respond using 1 = yes	2 = no	3 = no, planned interventi	ned intervention within 2 weeks after discharge		
			At onset	At discharge*	
Antihypertensive agents			II	II	
(applies to all groups, indep	endent of indi	cation)			
Statins (e.g. Atorvastatin, C	Crestor, Lipitor	r, Pravastatin, Simvastat	tin) II	II	
Platelet inhibitors:					
ASA (e.g.Trombyl)			II	II	
Clopidogrel (e.g. Pla	avix)		II	II	
Dipyridamol (Persan	ntin)		II	II	
Platelet inhibitors o (e.g. Brilique, Efient			II	II	
Oral anticoagulant: Warfarin (Waran)			II	II	
If yes, treatment wit state PK (INR) valu 9.9=not known			II, II		
Apixaban (Eliquis)			II	II	
Dabigatran (Pradaxa	a)		II	II	
Rivaroxaban (Xarel	to)		II	II	
Edoxaban (Lixiana)			II	II	
Date for introduction or r during treatment (YYMM If treatment was ongoing at during treatment, state day	IDD) onset and inte	erruption shorter than 36	III		
Main reason for non-inter in the event of atrial fibril			ring treatment		
1= intervention planned after	er discharge	2= contraindic	cations (in accordance with FASS)	<u></u> -	
3= interactions with other d	•				
4 = caution (in accordance v	with FASS)	5= tendency to fall	6 = dementia		
7= patient declines treatmen	nt	8 = other reason	9 = not known		

* Do NOT state medication at discharge if patient died during the acute phase.

⁶

		CER	EBRAL HAEMORRI	HAGE		
Site of cer	rebral haemo	orrhage (I61)				II
1= cerebru	ım, central/de	eep	2 = cerebrum, lobar/	superficial		
3= cerebru	ım, unspecifie	ed if deep or superficial	4 = brainstem			
5 = cerebel	llum		6 = several different	sites		
7 = Other.			9 = not known			
Haemorr	hage with ve	ntricular rupture	1 = yes	2 = no	9= not known	II
		anticoagulants (Warfarin				
		nge (I61), reversal implem	ented			
1 = yes	2 = no	9 = not known				II
Medicine 1= yes	on reversal o	of cerebral haemorrhage (1994) 9 = not known	I61)			
Pro	throbin com	plex concentrate, PCC (Oc	cplex, Confindex)			II
Vita	amin-K (Kon	akion, antidote to Waran)				II
Ida	rucizuman (I	Praxbind, antidote to Pradax	ca)			II
Neurosur	gical operati	on performed for stroke				II
1 = yes	2 = no	9 = not known				
Оре	eration date ((YY-MM-DD) II	_111111	[
Specify R		spital code for the hospital	where neurosurgery	for cerebra	al haemorrhage w	as
888 = code	e for overseas	999= unknown hospital co	ode II_I_I			

THR	OMBOLYSIS
Thrombolysis – given or started for emergency stroke (If treatment was started but interrupted/not completed,	II
1= yes, treatment using Actilyse (Alteplase®)	2= no
3= yes, part of a study on thrombolysis or treatment usi	
such as tenecteplase (Metalyse®)	9= not known
If no, reason why thrombolysis is not given (you can	
	choose more than one response)
II= cerebral haemorrhage	
II= symptoms too mild	
II= symptoms too serious	
II = not possible to give treatment within 4.5 hrs fro	m onset
II= other contraindication for thrombolysis	
II= other reason (e.g. unknown onset time)	
II= incorrectly omitted alarm routine to save the bra	
II= necessary expertise not available (e.g. doctor wi	th thrombolysis experience, assessment of scans)
$I \underline{\hspace{1cm}} I = not known$	
Enter Riksstroke hospital code where thrombolysis 888= code for overseas 999= unknown hospital code	
THRON	MBECTOMY
If admitted to a hospital with a thrombectomy central eyes, for possible thrombectomy 2= no 3= yes, for *This question can be ignored if the patient has NOT received therapy at a thrombectomy.	reason other than thrombectomy $9 = \text{not known}$
Thrombectomy – carried out or started for emergence (Does not apply to carotid endarterectomy for secondar (If treatment was started but interrupted/not completed,	y prevention)
1= yes 2= no 3= yes, included in thromb	pectomy study 9= not known
If yes, thrombectomy carried out or started fo 1= anterior circulation 2= posterior circulation	
Please state date and time of start of thrombolytic th	nerapy
IIIII (YYMMDD)	III.II (hrs.min)
Enter Riksstroke hospital code where thrombectomy 888= code for overseas 999= unknown hospital code	y was performed III

EVALUATION	OF THROMBOLYSIS/THROM	BECTOMY
Riksstroke NIHSS form (no modified or abl	breviated scales)	
Specify total points (if 24 points or more, plea	•	
88 = thrombolysis or thrombectomy only start	ted 99= unknown/not examined	
 At <u>start</u> of thrombolysis 		III
 At <u>start</u> of thrombectomy 		III
- One day <u>after</u> thrombolysis		III
- One day <u>after</u> thrombectomy		III
Cerebral haemorrhage with clinical deterior after thrombolysis/thrombectomy (Respond using 1= yes only if the patient has 4 points or more on NIHSS, irrespective of he	clinically deteriorated by	II the CT/MRI scan)
1= yes 2= no 9= not known		
I	HEMICRANIECTOMY	
Hemicraniectomy performed for expansive	e ischaemic stroke (cerebral infar	ection) II
1= yes 2= no 3= yes, included in hemicro	aniectomy study 9 = not known	
Date for hemicraniectomy (YYMMD	DD) I <u>I</u> II <u>I</u> I	_IIII
Enter Riksstroke hospital code where hem 888= code for overseas 999= unknown hosp		III
DISCHARGE after	er EMERGENCY TREAT	MENT
Date of discharge (final date of discharge aft YYMMDD	ter acute phase)	IIIII
Enter Riksstroke hospital code for hospital 888= code for overseas 999= unknown hosp		III
Treatment ward during acute phase, also r (Entire period of treatment including initial w		<u> </u>
II = ward/department other than those spe	ecified in choice of response below	
II = stroke unit	$I_{\underline{}}I = admissions/obs.$ ward	
II = intensive care ward	$\mathbf{I}_{\mathbf{I}} = \text{other}$	
II = Department of Neurosurgery	$\mathbf{I}_{\mathbf{I}} = \mathbf{not} \ \mathbf{known}$	

If treated outside stroke unit, enter total number of stroke unit, intensive care or Department of Neuros (Admission date = day 1) 999= unknown	
DISCHARGED TO AFTER ACUTE CARE	I I I
1= own accommodation	
	board, temporary accommodation, old people's home or
4= other acute clinic (=enter Aftercare)	5= geriatric/rehab (=enter Aftercare)
6 = deceased during treatment	7 = other (e.g. patient who lives in another country)
9= not known	11= still hospitalised
12= other stroke unit for aftercare (=enter Aftercare)	13= medical centre with acute beds (=enter Aftercare)
Address and phone number of the place to which th	
alternatives 1, 2, 4, 5, 7	
You can choose more than one response II= Early supported discharge with ongoing coo	ordinated rehabilitation from stroke unit with a
multidisciplinary rehabilitation team (including	g available doctor) with specialist knowledge in stroke
II= Rehabilitation in the home without coordinat	ion from stroke unit.
<pre>II = Outpatient rehabilitation or equivalent (reference)</pre>	rs to team-based rehabilitation for a defined period of
II = Polyclinical rehabilitation (refers to rehabilit	ation with individual visits)
II= Planned speech therapy	
II = Care accommodation with rehabilitation (e	g. arranged accommodation, service flat with full board,
temporary accommodation or nursing home)	
II= only self-training	
II= no need for rehabilitation according to team a	assessment (also applies to patients living in arranged
accommodation without rehabilitation potentia	al)
II = patient does not want the rehabilitation offer	ed
II = rehabilitation is needed but not available	

 $\mathbf{I}_{\mathbf{I}} = \mathbf{not} \ \mathbf{known}$

AFTERCARE refers to institutional care <u>funded by the County Council</u>									
Admission date			I	_I_	II_	_I_	_II_	_I_	_I
Discharge date		:	I	_I_	_II_	I_	_II_	_I_	_I
DISCHARGED TO from	AFTERCARE						I _	_I_	_I
1 = own accommodation	2 = arranged accommodation (e.	g. service flat with f	ull	boar	rd, tei	npora	ary		
accommodation, old people	e's home or nursing home)								
4 = other acute clinic	6 = deceased during treatment	7= other (e.g. pati	ent	who	lives	s in a	nother	•	
country)									
9= not known	11= still hospitalised	13= medical centr	e v	vith a	acute	beds			
Address and phone numb	per of the place to which the pati	ent is discharged p	lea	se be	e spec	cific a	s rega	ırds	
alternatives 1, 2, 4, 7									
You can choose more tha	IABILITATION PLAN AFTER n one response scharge with ongoing coordinated								
multidisciplinary re	habilitation team (including availab	le doctor) with specia	alis	t kno	wled	ge in	stroke	care	
II= Rehabilitation in t	the home without coordination fro	om stroke unit.							
II = Outpatient rehab	ilitation or equivalent (refers to te	am-based rehabilita	tio	n for	a def	ined	period	d of	
II = Polyclinical rehal	pilitation (refers to rehabilitation v	with individual visits	s)						
II= Planned speech th	erapy								
II = Care accommoda	tion with rehabilitation (e.g. arra	anged accommodation	on,	serv	ice fl	at wit	h full	boaı	d,
temporary accomn	nodation or nursing home)								
$I_{\underline{\hspace{1cm}}}I=$ only self-training									
II= no need for rehab	ilitation according to team assessi	ment (also applies to	pa	atient	ts livi	ng in	arran	ged	
accommodation wi	ithout rehabilitation potential)								
II = patient does not v	vant the rehabilitation offered								
$I_{\underline{}}I$ = rehabilitation is ne	eded but not available								
$I_{\underline{}}I = not known$									
	on the basis of this stroke episode onse)								
II =yes, at a special str	oke unit (at or outside the hospital)							
$I_{\underline{}}I = yes$, at another hos	pital admissions ward/department	$\mathbf{I}_{\mathbf{I}} = \mathbf{yes}$, at a h	nea	lth e	ntre/e	quiva	lent		
$I_{\underline{\underline{\underline{I}}}}$ I = yes, at arranged ac		$\mathbf{I}_{\mathbf{I}}$ = yes, at the				_		n ce	ntre
I I – no		I I – not know		-					

----- REHABILITATION IN CLOSEDCARE-----

An occupational	therapist assessed	the patient after arrival in the w	ard/department	II
Respond using	1 = yes, ≤ 24 hrs 5 = no	2 = yes, > 24 hrs but ≤ 48 hrs 9 = not known	3 = yes, > 48 hrs	
The answer should of time when treat	d specify the total to tment	herapy during the closed care pe ime on average spent in occupation ary (applies to 7 days of the week)	nal therapy per day, during tha	II at portion
patient not reache 4 = no, needed it b language difficult 5 = no, has not need	out did not receive a d) out could not take in ies) eded it (e.g. in ment, and patient in	< 30 min ny occupational therapy during treater than the rehabilitation (e,g, due to extreme absence of sensorimotor/cognitive palliative care)	cognitive impairment/demen	
Date for start of (not including ass	treatment (YYMM essment)	MDD)	I <u>I</u> II <u>I</u>	пт_т
A physiotherapis Respond using	-	tient after arrival in the ward/de 2= yes, > 24 hrs but ≤ 48 hrs 9= not known	spartment 3= yes, > 48 hrs	I_I
The answer should	d specify the total ti	during the closed care period ime on average spent in physiother for the patient (applies to 7 days of		II on of
reached) 4 = no, needed it b language difficult 5 = no, has not need	out did not receive a out could not take in ies) eded it (e.g. in ment, and patient in	< 30 min ny physiotherapy during treatment rehabilitation (e,g, due to extreme absence of sensorimotor/cognitive palliative care)	cognitive impairment/demen	
Date for start of (Not including ass	treatment (YYMM	MDD)	IIIII	IIII

Riksstroke hospital codes

Alingsås	411	Motala	434
Arvika	412	Mälarsjukhuset (Eskilstuna)	212
Avesta	413	Mölndal	223
Bollnäs	414	Norrköping(Vrinnevi)	225
Borås	210	Norrtälje	435
Danderyd	211	Nyköping	436
Enköping	415	NÄL (Norra Älvsborgs sjukhus)	324
Falun	213	Oskarshamn	457
Gällivare	418	Piteå	484
Gävle	438	Sahlgrenska	116
Halmstad	215	Skellefteå	440
Helsingborg	216	Sollefteå	441
Hudiksvall	460	S:t Göran (Capio S:t Göran)	228
Hässleholm	455	Sunderbyn	222
Höglandssjukhuset- Eksjö	454	Sundsvall	329
Jönköping - Ryhov sjukhuset	273	Södertälje	445
Kalix	420	Södersjukhuset	230
Kalmar	218	Torsby	446
Karlshamn	421	Trelleborg	447
Karlskoga	475	Umeå	118
Karlskrona	219	Uppsala, Akademiska	110
Karlstad	342	Varberg	449
Karolinska-Solna	143	Visby	232
Karolinska-Huddinge	145	Värnamo	450
Kiruna	423	Västervik	451
Kristianstad	221	Västerås	333
Kullbergska (Katrineholm)	422	Växjö	234
Kungälv	473	Ystad	352
Skaraborgs sjukhus (SkaS)	327	Ängelholm	456
Köping	326	Örebro	146
Landskrona	427	Örnsköldsvik	453
Lidköping	461	Östersund	236
Lindesberg	429	Östra sjukhuset	235
Linköping	147	Hospital with no RS code = Overseas	888
Ljungby	430	Hospital with unknown Riksstroke code	999
Lund (SUS Lund)	141		
Lycksele	432		
Malmö (SUS Malmö)	115		
Mora	433		