

## NATIONAL CENTRE FOR DISEASE INFORMATICS AND RESEARCH

Indian Council of Medical Research

## HOSPITAL BASED STROKE REGISTRIES CORE FORM

I. IDENTIFYING INFORMATION							
1. Name of Participating Centre:	Code						
2. HBSR Registration Number :							
3. Registration at Reporting Institution : Out Patient In Patient							
3.1 Name of Source of Registration :							
3.2 Name of Department / Unit / Physician :							
3.3 Hospital Registration Number :							
4. Full Name :							
(Title) (First)	(Middle) (Last)						
5. Place of residence (place of usual residence where the pati	ent has been residing for the past 1 year) :						
5.1 <u>Urban Areas (Town / Cities)</u>	5.2 Non-Urban Areas (Town / Cities)						
House No.	House No. and Ward						
Road / Street Name	Name of Gram Panchayat / Village etc						
Area / Locality							
Ward / Corporation / Division	Name of Sub-Unit of District (Taluk/ Tehsil/ Other)						
Name of the City / Town	Name of PHC / Sub-Centre						
Name of District (in capitals)	Postal Pin Code						
Telephone No. : Off	Res.:						
Mobile No. 1	Email :						
Mobile No. 2.							
5.3 Other address :							
Address :							
District :							
Pin Code :							
Telephone No.: : 1 2	3						
6. Duration of stay [at the place of usual residence (in years)]	: <u> </u>						
7. Age (in years): Date of Birth:	7. Age (in years) : Date of Birth:						
8. Sex : Male Female Other	s						
9. Number of languages spoken (multiple options can be chos	en)						
Assamese Bengali Gujarati Hindi	Kannada Kashmiri Malayalam						
Marathi Oriya Punjabi Sanskrit	Sindhi Tamil Telugu						
Urdu English Konkani Bhutia	Manipuri Mizo Nepali						
Lepcha Rajasthani Others, specify	Unknown						

10. Cultural group *											
* Only for North	East	HBSRs									
Ahom		Aimol		Anal		Boro		Bhutias		Bru	
Chakma		Chamars		Chiru		Chothe		Deuri		Gangte	
Hmar		Kachari		Koet		Khongsai		Koch		Kompurum	
Kuki		Lam kang		Lengmei		Lepchas		Mao		Mara	
Maram		Maria		Maring		Meitei		Miri		Mishimi	
Mishing		Mizo		Monsang		Moran		Moyon		Nepalese	
Paite		Paomei		Pawih		Rabha		Raj Bangshi		Rongmei	
Simte		Tangkhul		Tarao		Teli		Thangal		Waiphei	
Zemei		Zou		Dimcha		BishnuPriya		Naga		Adi	
Bramhin		Jogi		Kalita		Kayastha		Koibarta		Marwari	
Muttock		Nocte		Tea-tribe		Tiwa/Lalung		Monpa		Sherdukpen	
Aka		Miji		Nyishi		Galo		Tagin		Hill Miri	
Apatani		Khampti		Tangsa		Wangcho		Singpho		Unknown	
Other, Spec	ify [										
II. DIAGNOSIS OF STROKE  11.1 Patient last known or seen well:  Date											
11.7 Date and time of arrival at the Reporting Institution : Date Time: : am/pm  12. Date of diagnosis of stroke at the Reporting Institution : Date											
Unilateral or b	ilatera	al motor imp			U	nilateral or bilat	eral	sensory impai	rme	nt	
` -	(including lack of coordination)  Aphasia/dysphasia (non-fluent speech)  Hemianopia (half-sided impairment of visual fields)										
Forced gaze (		•	-			praxia	GIU	оч ппраптиет	OI V		
Ataxia	- 0. nja	33.0 301,41	J.1)	H		leglect					
None											

14.2	Other clinical features:						
	Dizziness, vertigo  Blurred vision of both eyes  Dysarthria (slurred speech)  Impaired consciousness  Dysphagia		D Ir	ocalized head iplopia npaired cogn eizures	dache itive function <i>(includin</i> g	g confusion)	
15 1	Stroke severity score at admission	at Ren	ortina Ins	titution (Rec	ord score for individual	scale):	
10.1	Level of consciousness(0-3)  LOC Questions(0-2)  LOC Commands(0-2)  Best gaze(0-2)  Visual fields(0-3)  Facial palsy(0-3)  Motor arm  Left (0-4) Right (0-4)  Might (0-4)  Limb ataxia(0-2)  Sensory(0-2)  Best language(0-3)  Dysarthria(0-2)  Extinction and inattention(0-2)		orung ma	intunon (Medi	ora score for intarviada	Scale).	
_	NIHSS Score (0-42)						
15.2	Status of the person prior to occurr	ence of	stroke (	ore morbid m	nodified Rankin scale):		
	Symptoms				ŕ	Score	
	Patient doesn't have any symptoms Patient is able to carry out all usual Patient can look after own affairs w Patient requires some assistance in without any support (3)	duties	ıssistanc	e (2)			
	Patient needs assistance for walking	ng and a	attending	own needs (	(4)		
	Patient is bedridden/incontinent ar	nd requi	res cons	tant care (5)			
16.	Diagnostic procedure	Yes	No	Unknown	Imaging Date		
	First CT brain					Time: : a	m/pm
	Imaging findings :						111/ P111
	MRI-brain					Time: : a	m/pm
	Imaging findings :					Time.	mpm
	CT-Angio					Time: : a	m/pm
	Imaging findings :						p

	MR-Angio						Time:	: :::	am/pm
	Imaging findings :								
	CT-Perfusion / MR - Perfusion						Time:		am/pm
	Imaging findings :								
	Carotid ultrasound								
	ECG Transthoracic								
	echocardiogram (TTE)								
	Transesopagheal Echo, Holter								
	Others, specify								
17.	CT/MRI imaging done at the Repor	ting Inst	itution :						
	Yes No			Date			Time :		am/pm
	Imaging findings :								
17.1	Imaging time at the Reporting Institu			_	$\neg$ $\overline{}$			¬´	
	0-45 min ≥45 min to 3 hou		>3 to	≤ 6 hours	_ > 6 h	ours to ≤ 2	4 hours	>24 ho	urs
18.	Basis of diagnosis (select all applied								
40	Clinical CT	IV	IRI 🔃		Othe	rs, specify.			
19.	Type of stroke :	h		0				\	
	Ischemic Intracerebral	naemo	rrnage	Sub	paracnnoi	d haemorrl	nage	Ven Undeterm	
20.	TOAST CRITERIA (for acute ische	mic stro	oke):					Ondeterm	iii leu
	Large-artery atherosclerosis								
	Cardioembolism								
	i. Rheumatic valvular								
	ii. Non - Rheumatic valv	ular							
	iii.Non - valvular								
	iv. CAD								
	Small-artery occlusion (lacune)								
	Stroke of other determined etiology	y							
	Stroke of undetermined etiology								
	i. Patient extensively ev	/aluated	d						
	ii. Patient not evaluated								
	iii. Patient with two comp	eting e	tiologies	3					
21.1	Type of Intracerebral haemorrhage	):		Prir	mary		S	econdary [	
21.2	Type of Circulation of Stroke :	Α	nterior C	Circulation Str	roke	Posterio	or Circulat	ion Stroke	
22.	Final diagnosis (in words):	Firs	t Ever		Rec	urrent			
	First Ever / Recurrent		_						
	Type of stroke								
	Territory affected								
	Etiology								
	Risk Factor and co-morbidities								
23	ICD-10 description :						ICD -10	code: I	

## **III. RISK FACTORS AND CO-MORBID CONDITIONS** 24. Underlying diseases or co-morbid conditions: Yes No Unknown Duration Newly detected (completed months) at admission Previous Stroke Previous Transient Ischemic Attack (anytime in the past) Hypertension **Diabetes Mellitus** Atrial Fibrillation Carotid stenosis Myocardial Infarction Ischemic Heart Disease (other than Atherosclerotic MI) Valvular Heart Disease 1. Rheumatic Heart Disease 2. Non Rheumatic Heart Disease Valve Prosthesis Heart Failure Peripheral Arterial Disease Chronic Kidney Disease Anemia Haemoglobin: g/dl or mmol/L Hypercholesterolemia Hyper homocysteinenemia Other: 1..... 2..... 3..... 25. Other risks / conditions (current or history of): Unknown Yes No Family history of stroke Tobacco smoking Smokeless tobacco use Alcohol use Drug abuse or addiction Pregnancy or within 6 weeks after a delivery or termination of pregnancy Hormone replacement therapy / Hormonal drug use Migraine Sickle Cell disease HIV infection **CNS TB** Height ..... cm Weight ..... kg BMI ..... Underweight Normal Overweight Obese Others, specify.....

## IV. TREATMENT DETAILS

26.	Treatment status before onset of	stroke :	Yes	No	Unknown	Duration in months	
	Antiplatelets, specify						
	Antihypertensive drugs			П			
	Lipid lowering drugs						
	Antidiabetic agents			П			
	Others						
00.4							
26.1	Medications taken for this episode				orting Institutio	n:	
	Yes	No	Unkno	own			
	If 'Yes' in Q. 26.1. Answer Q. 26.2	to Q. 26.7:					
26.2		3 Anticoagulant	1	26.4	Thrombolytic tr	eatment	
	Yes No	Yes No Heparin IV			Yes No	_	_
	Aspirin Aspirin/Dipyridamole	Full dose LMW	honorin		IV tPA IA tPA		╣
	Clopidogrel	Warfarin	Перапп		Mechanical Th	rombectomy	╣
	Others	Newer oral anti	coagulant		Others		J
		Others	_				
26.5	Antidiabetics	26.6 Antihyperte	ensives	26.7 l	_ipid lowering a	agents /Statins	
	Yes No	`	Yes No			Yes No	
27.	Thrombolytic treatment at Reporti	_					
27.1	Was Thrombolytic treatment giver	า? 	Yes		No		
	IV tPA IA tPA		Mechanical th		tomy		
	Others, specify		Unkno	own			
27.2	Time of initiating thrombolytic trea	tment after symp	otom onset				
	Date :	Time : :	am/pm				
27.3	Reasons for not receiving Thromb	oolysis			Yes	No Unknowr	1
	Delay in arrival to hospital						
	Delay in the imaging time						
	Diabetes mellitus with h/o previou	s ischemic stroke	е				
	Onset of symptoms unknown to d	ecide on treatme	ent initiation				
	SBP > 185 or DBP > 110 mmHg						
	Glucose < 50 or > 400 mg/dl						
	Stroke severity – NIHSS ≥ 22						
	Suspicion of subarachnoid haemo	orrhage					
	CT findings of major infarct signs	- > 50 % involve	ment of MCA t	erritory			
	Seizure at onset						
	Recent surgery / trauma (≤14 day	/s)					
	Recent intracranial or spinal surge		(<3 months)				
	History of intracranial hemorrhage malformation / brain tumor						

	Active internal bleeding (within last 3 weeks)
	Platelets <100,000/PTT> 40 sec after heparin use / PT > 15 or INR > 1.7 / known bleeding diathesis
	Left heart thrombus
	Increased risk of bleeding
	Severe comorbid diseases or condition
	Stroke – rapidly improving
	Medicine not available
	Patient could not afford medicine  Others, specify
27.4	CT done after 24 hours after Thrombolysis : Yes No Unknown
27.5	Patient developed complications due to Thrombolysis :
	None
	Asymptomatic Intracerebral haemorrhage (ICH) within 36 hours
	Symptomatic ICH within 36 hours of thrombolysis
	Life threatening, serious systemic hemorrhage within 36 hours of thrombolysis
	Other serious complications
28.	Other pharmacologic treatment
28.1	Name the medications received and time of initiation after stroke onset while in hospital :    If yes, when was it initiated after stroke onset?
	Yes No Unknown Within 24 hrs. 24- 48 hrs. After 48 hrs
	Antiplatelets
	If yes, specify name
	Anticoagulants
	Antihypertensive drugs
	Lipid lowering drugs
	Antidiabetic agents
29.	Surgical / interventional treatment Yes No Time of intervention after stroke onset (in hours)
	Hemicraniectomy
	Suboccipital craniectomy
	Hematoma evacuation
	Carotid artery endarterectomy (in days)
	Carotid stenting (in days)
	Endovascular coiling / clipping
	Any other
30.	Non- medical test / management :
30.1	Swallowing Test:
	Has the ability to swallow been tested within 24 hours of admission to Reporting Institution?
	Yes No Not examined due to patient's state Don't know

30.2	Did patient have dysphagia ?					Yes	No 🔃
30.3	If patient had dysphagia, whether he/ she was pu	t on nas	ogastri	c tube fee	ds?	Yes	No 🗌
30.4	Did the patient receive any of the following therapies while in hospital?	Yes	No	Unknown		Explain	
	Swallowing management						
	Occupational therapy						
	Physiotherapy						
	Speech therapy						
	Bladder care						
	Deep vein thrombosis prophylaxis						
31.	Course during hospital stay						
31.1	Did the patient deteriorate during hospitalisation 1	?					
	Developed new stroke event Complication	ns develo	oped d	uring hosp	italisatio	n N	o
31.2	If option 1, what is the type of stroke?					_	
	Ischemic Intracerebral haemorrhage	Subar	achno	id haemor	rhage		Venous
						Und	letermined
31.3	Final diagnosis of new stroke event :						
24.4	ICD 40 description :						
31.4	ICD-10 description :					100 - 10 00	ide. i
31.5	Date of new stroke event :	mitalia ati	0		Vaa	Ma	Unicony
31.6	If option 2, what are the complications during hos		on?		Yes	No	Unknown
	Intracerebral hemorrhage due to antithrombotic th			5 (			
	Progression of current stroke (in terms of expans)						
	Cardiac event, specify						
	Seizures						
	Pneumonia						
	Urinary Tract Infection						
	Decubitus ulcer						
	Deep Venous Thrombosis						
	Pulmonary Embolism						
	Fall						
	Renal Failure						
	Post stroke depression						
	Any other psychiatric illness						
	Others, specify						
V. D	ISCHARGE INFORMATION						
32.	Date of discharge :						
33.	How many days was the patient admitted in the h	ospital?					
34.				Dead		Unknown	

35. Functional Status at discharge (modified Rankin scale	
Symptoms	Score
Patient doesn't have any symptoms (0)	
Patient is able to carry out all usual duties and activities without any assistance (1)	
Patient can look after own affairs without assistance (2	2)
Patient requires some assistance in doing activities and can walk by himself or herself without any suppor	ort (3)
Patient needs assistance for walking and attending ow	vn needs (4)
Patient is bedridden/incontinent and requires constant	it care (5)
Patient is dead (6)	
36. Pharmacologic medication at discharge	Yes No Unknown
Antihypertensives	
Antiplatelets	
Anticoagulants	
Statins	
Antidiabetics	
Others	
	Yes No Unknown
Counselling for regular follow up	
Counselling for compliance of medication	
Smoking cessation counselling	
Smokeless tobacco cessation counselling	
Counselling to abstain alcohol	
Counselling to abstain from drug abuse & addiction	
Advice on rehabilitation services advice	
Stroke education	
VI. FOLLOW UP	
At day 28 after onset of	f stroke At 3 months after onset of stroke
38.1 Due date of follow-up :	
38.2 Actual date of follow-up :	
38.3 Method of follow-up:	
Hospital visit	Hospital visit
By post	By post
By telephone	By telephone
By house visit	By house visit
Others, specify	Others, specify
Unknown	Unknown
39. Vital status : Alive Dead Unknown	Alive Dead Unknown
39.1 Any history of new stroke episode reported to other h	hospital? Yes No
40. Functional Status (modified Rankin scale) (if vital status if	is alive)
	Score
Patient doesn't have any symptoms (0)	Patient doesn't have any symptoms (0)
Patient is able to carry out all usual duties	Patient is able to carry out all usual duties and activities without any assistance (1)
and activities without any assistance (1)	Patient can look after own affairs without
Patient can look after own affairs without assistance (2)	assistance (2)

	Patient requires some assistance in doing activities and can walk by himself or herself without any support (3)	Patient requires some assistance in doing activities and can walk by himself or herself without any support (3)
	Patient needs assistance for walking and attending own needs (4)	Patient needs assistance for walking and attending own needs (4)
	Patient is bedridden/incontinent and requires constant care (5)	Patient is bedridden/incontinent and requires constant care (5)
	Patient is dead (6)	Patient is dead (6)
VII. C	DETAILS OF DEATH	
41.	If dead, Date of death:	
42.	Cause of Death information available :	
	Death Certificate (MCCD)	Death Certificate (MCCD)
	Medical Records	Medical Records
	Verbal autopsy	Verbal autopsy
	Not available	Not available
	Unknown	Unknown
43.	Cause of death	
	Related to stroke	Related to stroke
	Not related to stroke	Not related to stroke
	Others, specify	Others, specify
	Unknown	Unknown
43.1	Cause of death from MCCD	
	Immediate	Immediate
	Antecedent cause	Antecedent cause
	Underlying cause	Underlying cause
	Other contributing conditions	Other contributing conditions
	MATCHING WITH PBSR :	
44.	Matching with PBSR record :	
	Incidence Registration Number:	
45.	Name of person completing the form :	
46.	Date of completion of form:	
	Signature :	
	Date of data entry :	

<sup>\*</sup> Mark within boxes with "✓" as indicated ✓