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3 **California Code of Regulations**  
4 **Title 22. Social Security**  
5 **Division 9. Prehospital Emergency Medical Services**  
6 **Chapter 7.2 Stroke Critical Care System**  
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8 **ARTICLE 1. DEFINITIONS**  
9

10 **§ 100270.200. Acute Stroke Ready Hospital**

11 “Acute stroke-ready hospitals” or “Satellite stroke centers” means a hospital able to  
12 provide the minimum level of care for stroke patients in the emergency department, and  
13 are paired with one or more hospitals with a higher level of stroke services.  
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15 Note: Authority cited: Sections 1797.94, 1797.103, 1797.107, and 1798.150, Health and  
16 Safety Code. Reference: Sections 1797.103 and 1797.176, Health and Safety Code.  
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18 **§ 100270.201. Board-certified**

19 “Board-certified” means a physician who has fulfilled all the Accreditation Council for  
20 Graduate Medical Education (ACGME) requirements in a specialty field of practice, and  
21 has been awarded a certification by an American Board of Medical Specialties (ABMS)  
22 approved program.  
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24 Note: Authority cited: Sections 1797.107 and 1798.150, Health and Safety Code.  
25 Reference: Sections 1797.103 and 1797.176, Health and Safety Code.  
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27 **§ 100270.202. Board-eligible**

28 “Board-eligible” means a physician who has applied to a specialty board examination  
29 and has completed the requirements and received permission to take the examination  
30 by ABMS. Board certification must be obtained within the allowed time by ABMS from  
31 the first appointment.  
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33 Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety  
34 Code. Reference: Sections 1797.103 and 1797.176, Health and Safety Code.  
35

36 **§ 100270.203. Comprehensive Stroke Center**

37 “Comprehensive stroke center” means a hospital with specific abilities to receive and  
38 treat the most complex stroke cases and provide the highest level of care for stroke  
39 patients.  
40

41 Note: Authority cited: Sections 1797.94, 1797.103, 1797.107, and 1798.150, Health and  
42 Safety Code. Reference: Sections 1797.103 and 1797.176, Health and Safety Code.  
43

44 **§ 100270.204. Clinical Stroke Team**

45 “Clinical stroke team” means a team of healthcare professionals who provide care for  
46 the stroke patient and may include, but is not limited to, neurologists, neuro-  
47 interventionalists, neurosurgeons, anesthesiologists, emergency medicine physicians,  
48 registered nurses, advanced practice nurses, physician assistants, pharmacists, and  
49 technologists.

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51 Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety  
52 Code. Reference: Sections 1797.103 and 1797.176, Health and Safety Code.

53

54 **§ 100270.205. Emergency Medical Services Authority**

55 “Emergency medical services authority” or “EMS Authority” means the department in  
56 California that is responsible for the coordination and the integration of all state activities  
57 concerning emergency medical services (EMS).

58

59 Note: Authority cited: Sections 1797.107 and 1797.54, Health and Safety Code.  
60 Reference: Sections 1797.100, and 1797.103, Health and Safety Code.

61

62 **§ 100270.206. Local Emergency Medical Services Agency**

63 “Local emergency medical services agency” or “local EMS agency” means the agency,  
64 department, or office having primary responsibility for administration of emergency  
65 medical services in a county and which is designated pursuant Health and Safety Code  
66 section 1797.200.

67

68 Note: Authority cited: Sections 1797.94, 1797.107, 1797.176, and 1797.200, Health and  
69 Safety Code. Reference: Section 1797.94, Health and Safety Code.

70

71 **§ 100270.207. Primary Stroke Center**

72 “Primary stroke center” means a hospital that stabilizes and treats acute stroke patients,  
73 providing initial acute care, and may transfer to one or more higher level of care centers  
74 when clinically warranted.

75

76 Note: Authority cited: Sections 1797.94, 1797.103, 1797.107, and 1798.150, Health and  
77 Safety Code. Reference: Sections 1797.103 and 1797.176, Health and Safety Code.

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79 **§ 100270.208. Protocol**

80 “Protocol” means a predetermined, written medical care guideline, which may include  
81 standing orders.

82

83 Note: Authority cited: Sections 1797.107, 1797.176, 1797.220, and 1798.150, Health  
84 and Safety Code. Reference: Sections 1797.103 and 1797.176, Health and Safety  
85 Code.

86

87 **§ 100270.209. Quality Improvement**

88 “Quality improvement” or “QI” means methods of evaluation that are composed of a  
89 structure, process, and outcome evaluations which focus on improvement efforts to  
90 identify causes of problems, intervene to reduce or eliminate these causes, and take  
91 steps to correct the process and recognize excellence in performance and delivery of  
92 care.

93

94 Note: Authority cited: Sections 1797.103, 1797.107, 1797.174, 1797.176 and 1798.150  
95 Health and Safety Code. Reference: Sections 1797.174, 1797.202, 1797.204, 1797.220  
96 and 1798.175, Health and Safety Code.

97

98 **§ 100270.210. Stroke**

99 “Stroke” means a condition of impaired blood flow to a patient’s brain resulting in brain  
100 dysfunction, most commonly through vascular occlusion or hemorrhage.

101

102 Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety  
103 Code. Reference: Sections 1797.103 and 1797.176, Health and Safety Code.

104

105 **§ 100270.211. Stroke Call Roster**

106 “Stroke call roster” means a schedule of licensed health professionals available twenty-  
107 four (24) hours a day, seven (7) days a week for the care of stroke patients.

108

109 Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety  
110 Code. Reference: Sections 1797.103 and 1797.220, Health and Safety Code.

111

112 **§ 100270.212. Stroke Care**

113 “Stroke care” means emergency transport, triage, acute intervention and other acute  
114 care services for stroke patients that potentially require immediate medical or surgical  
115 intervention treatment, and may include education, primary prevention, acute  
116 intervention, acute and subacute management, prevention of complications, secondary  
117 stroke prevention, and rehabilitative services.

118

119 Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety  
120 Code. Reference: Sections 1797.103, 1797.176, and 1797.220, Health and Safety  
121 Code.

122

123 **100270.213. Stroke Critical Care System**

124 “Stroke critical care system” means a subspecialty care component of the EMS system  
125 developed by a local EMS agency. This critical care system links prehospital and  
126 hospital care to deliver treatment to stroke patients who potentially require immediate  
127 medical or surgical intervention.

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129 Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety  
130 Code. Reference: Sections 1797.103, 1797.176, and 1797.220, Health and Safety  
131 Code.

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**§ 100270.214. Stroke Medical Director**

“Stroke medical director” means a board-certified physician designated by the hospital who is responsible for the stroke service, performance improvement, and patient safety programs related to a stroke critical care system.

Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety Code. Reference: Sections 1797.103, 1797.176, and 1797.220, Health and Safety Code.

**§ 100270.215. Stroke Program Manager/Coordinator**

“Stroke program manager/coordinator” means a registered nurse or qualified individual designated by the hospital with the responsibility for monitoring and evaluating the care of stroke patients and the coordination of performance improvement and patient safety programs for the stroke center in conjunction with the stroke medical director.

Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety Code. Reference: Sections 1797.103, 1797.176, and 1797.220, Health and Safety Code.

**§ 100270.216. Stroke Program**

“Stroke program” means an organizational component of the hospital specializing in the care of stroke patients.

Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety Code. Reference: Sections 1797.103, 1797.176, and 1797.220, Health and Safety Code.

**§ 100270.217. Stroke Team**

“Stroke team” means the clinical stroke team, support personnel, and administrative staff.

Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety Code. Reference: Sections 1797.103, 1797.176, and 1797.220, Health and Safety Code.

**§ 100270.218. Telehealth**

“Telehealth” means the mode of delivering health care services and public health via information and communication technologies to facilitate the diagnosis, consultation, treatment, education, care management, and self-management of a patient's health care while the patient is at the originating site and the health care provider is at a distant site.

175 Note: Authority cited: Sections 1797.107, 1797.176, and 1798.150, Health and Safety  
176 Code. Reference: Sections 1797.103, 1797.176, and 1797.220, Health and Safety  
177 Code. California Business and Professions Code Sec. 2290.5  
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179 **§ 100270.219. Thrombectomy-Capable Stroke Center**

180 “Thrombectomy-capable stroke center” means a primary stroke center with the ability to  
181 perform mechanical thrombectomy for the ischemic stroke patient.  
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184 **ARTICLE 2. LOCAL EMS AGENCY STROKE CRITICAL CARE SYSTEM**  
185 **REQUIREMENTS**  
186

187 **§ 100270.220. Stroke Critical Care System Plan Approval.**  
188

189 (a) The local EMS agency may develop and implement a stroke critical care system.  
190

191 (b) A stroke critical care system that starts after the effective date of these regulations  
192 shall have the Stroke Critical Care System Plan approved by the EMS Authority prior to  
193 implementation.  
194

195 (c) The Stroke Critical Care System Plan submitted to the EMS Authority shall include,  
196 at a minimum, all the following components:  
197

198 (1) The names and titles of the local EMS agency personnel who have a role in a stroke  
199 critical care system.  
200

201 (2) Verification of agreements with hospitals for designation of stroke facilities with a list  
202 of stroke hospital contracts with expiration dates.  
203

204 (3) A description or a copy of the local EMS agency’s stroke patient identification and  
205 destination policies.  
206

207 (4) A description or a copy of the method of field communication to the receiving  
208 hospital-specific to stroke patients, designed to expedite time-sensitive treatment on  
209 arrival.  
210

211 (5) A description or a copy of the policy that facilitates the inter-facility transfer of stroke  
212 patients.  
213

214 (6) A description of the method of data collection from the EMS providers and  
215 designated stroke hospitals to the local EMS agency and the EMS Authority.  
216

217 (7) A copy of all written agreements with neighboring local EMS agencies to provide  
218 stroke care.

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(8) A description of the integration of stroke into an existing quality improvement committee or a description of any stroke-specific quality improvement committee.

(9) A description of programs to conduct or promote public education specific to stroke.

(d) The EMS Authority shall, within 30 days of receiving a request for approval, notify the requesting local EMS agency in writing of approval or disapproval of its Stroke Critical Care System Plan. If the Stroke Critical Care System Plan is disapproved, the response shall include the reason(s) for the disapproval and any required corrective action items.

(e) The local EMS agency shall provide an amended plan to the EMS Authority within 60 days of receipt of the disapproval letter.

(f) The local EMS agency currently operating a stroke critical care system implemented before the effective date of these regulations, shall submit to the EMS Authority a Stroke Critical Care System Plan as an addendum to its next annual EMS plan update, or within 180 days of the effective date of these regulations, whichever comes first.

(g) Any stroke center designated by the local EMS agency before implementation of these regulations may continue to operate. Before re-designation by the local EMS agency at the next regular interval, stroke centers shall be re-evaluated to meet the criteria established in these regulations.

(h) No health care facility shall advertise in any manner or otherwise hold itself out to be affiliated with a stroke critical care system or a stroke center unless they have been designated by the local EMS agency, in accordance with this Chapter.

Note: Authority cited: Sections 1797.103, 1797.105, 1797.107, 1797.173, 1797.176, 1797.220, 1797.250, 1798.150, 1798.170, and 1798.172, Health and Safety Code.  
Reference: Sections 1797.105, 1797.176, and 1797.220, Health and Safety Code.

**§ 100270.221. Stroke Critical Care System Plan Updates**

(a) The local EMS agency shall submit an annual update of its Stroke Critical Care System Plan, as part of its annual EMS plan submittal, which shall include, at a minimum, all the following:

(1) Any changes in a stroke critical care system since submission of the prior annual plan update or the Stroke Critical Care System Plan addendum.

(2) The status of the Stroke Critical Care System Plan goals and objectives.

263 (3) Stroke critical care system performance improvement activities.  
264

265 (4) The progress on addressing action items and recommendations provided by the  
266 EMS Authority within the Stroke Critical Care System Plan or status report approval  
267 letter, if applicable.  
268

269 Note: Authority cited: Sections 1797.103, 1797.107, 1797.176, 1797.250, 1797.254,  
270 1798.150, and 1798.172, Health and Safety Code. Reference: Sections 1797.176,  
271 1797.220, 1797.222, and 1798.170, Health and Safety Code.  
272

### 273 **ARTICLE 3. PREHOSPITAL STROKE CRITICAL CARE SYSTEM REQUIREMENTS**

#### 274 **§ 100270.222. EMS Personnel and Early Recognition**

275  
276  
277 (a) The local EMS agency shall ensure that prehospital stroke assessment and  
278 treatment training is available for prehospital emergency medical care personnel as  
279 determined by the local EMS agency.  
280

281 (b) The local EMS agency shall require the use of a validated prehospital stroke-  
282 screening algorithm for early recognition and assessment.  
283

284 (c) The local EMS agency's protocols for the use of online medical direction shall be  
285 utilized for suspicious or complex findings.  
286

287 (d) The prehospital treatment policies for stroke-specific basic life support (BLS),  
288 advanced life support (ALS), and limited advanced life support (LALS) shall be  
289 developed according to the scope of practice and local accreditation.  
290

291 (e) Prehospital findings of suspected stroke patients, as defined by the local EMS  
292 agency, will be communicated to a stroke center of care facility in advance of arrival,  
293 according to the local EMS agency's Stroke Critical Care System Plan.  
294

295 Note: Authority cited: Sections 1797.92, 1797.103, 1797.107, 1797.176, 1797.189(a)  
296 (2), 1797.206, 1797.214, and 1798.150, Health and Safety Code. Reference: Sections  
297 1797.176, 1797.220, 1798.150, and 1798.170, Health and Safety Code.  
298

### 299 **ARTICLE 4. HOSPITAL STROKE CARE REQUIREMENTS AND EVALUATIONS**

#### 300 **§ 100270.223. Comprehensive Stroke Care Centers**

301  
302  
303 (a) Hospitals designated as a comprehensive stroke center by the local EMS agency  
304 shall meet the following minimum criteria:  
305

306 (1) Satisfy all the requirements of a primary stroke center as provided in this chapter.

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- 307  
308 (2) Neuro-endovascular diagnostic and therapeutic procedures available twenty-four  
309 (24) hours a day, seven (7) days a week.  
310  
311 (3) Advanced imaging, available twenty-four (24) hours a day, seven (7) days a week,  
312 three hundred and sixty-five (365) days per year, which shall include but not be limited  
313 to:  
314  
315 (A) Computed tomography (CT) angiography.  
316  
317 (B) Magnetic resonance imaging (MRI).  
318  
319 (C) Diffusion-weighted magnetic resonance imaging.  
320  
321 (4) Intensive care unit (ICU) beds with licensed independent practitioners with the  
322 expertise and experience to provide neuro-critical care twenty-four (24) hours a day,  
323 seven (7) days a week, three hundred and sixty-five days (365) days per year.  
324  
325 (5) Written policies and procedures for comprehensive stroke services that are reviewed  
326 at least every two (2) years, revised as needed, and implemented.  
327  
328 (6) Data-driven quality improvement, including collection and monitoring of standardized  
329 comprehensive stroke center performance measures.  
330  
331 (7) A stroke patient research program.  
332  
333 (8) Satisfy all the following staff qualifications:  
334  
335 (A) A neurosurgical team capable of assessing and treating complex stroke and stroke-  
336 like syndromes.  
337  
338 (B) A neuro-radiologist with a current Certificate of Added Qualifications in  
339 Neuroradiology on staff.  
340  
341 (C) A physician with neuro-interventional angiographic training and skills on staff as  
342 deemed by the hospital's credentialing process.  
343  
344 (D) A qualified neuro-radiologist, board-certified by the American Board of Radiology or  
345 the American Osteopathic Board of Radiology.  
346  
347 (E) A qualified vascular neurologist, board-certified by the American Board of Psychiatry  
348 and Neurology or the American Osteopathic Board of Neurology and Psychiatry.  
349

350 (F) If teleradiology is used, staffing and staff qualification requirements provided in this  
351 section shall remain in effect and shall be documented by the hospital.

352  
353 (8) Provide comprehensive rehabilitation services either on-site or by written transfer  
354 agreement with another health care facility licensed to provide such services.

355  
356 (9) Written transfer agreements with primary stroke centers in the region to accept the  
357 transfer of patients with complex strokes when clinically warranted.

358  
359 (10) A comprehensive stroke center shall at a minimum, provide guidance and  
360 continuing medical education to hospitals designated as a primary stroke center with  
361 which they have transfer agreements.

362  
363 (b) Additional requirements may be required at the discretion of the local EMS agency  
364 medical director.

365  
366 Note: Authority cited: Sections 1797.103, 1797.107, 1797.176, 1797.204, 1797.220,  
367 1798.150, and 1798.172, Health and Safety Code. Reference: Sections 1797.204,  
368 1797.220, and 1797.222, Health and Safety Code.

369  
370 **§ 100270.224. Thrombectomy-Capable Stroke Centers**

371  
372 (a) Hospitals designated as a thrombectomy-capable stroke center by the local EMS  
373 agency shall meet the following minimum criteria:

374  
375 (1) Satisfy all the requirements of a primary stroke center as provided in this chapter.

376  
377 (2) The ability to perform mechanical thrombectomy for the treatment of ischemic stroke  
378 twenty-four (24) hours a day, seven (7) days a week, three hundred and sixty-five (365)  
379 days per year.

380  
381 (3) Dedicated neuro-intensive care unit beds to care for acute ischemic stroke patients  
382 twenty-four (24) hours a day, seven (7) days a week, three hundred and sixty-five (365)  
383 days per year.

384  
385 (4) Satisfy all the following staff qualifications:

386  
387 (A) A neurosurgical team capable of assessing and treating complex stroke and stroke-  
388 like syndromes.

389  
390 (B) A neuro-radiologist with a current Certificate of Added Qualifications in  
391 Neuroradiology on staff.

392

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- 393 (C) A physician with neuro-interventional angiographic training and skills on staff as  
394 deemed by the hospital's credentialing process.  
395
- 396 (D) A qualified neuro-radiologist, board-certified by the American Board of Radiology or  
397 the American Osteopathic Board of Radiology.  
398
- 399 (E) A qualified vascular neurologist, board-certified by the American Board of Psychiatry  
400 and Neurology or the American Osteopathic Board of Neurology and Psychiatry.  
401
- 402 (F) If teleradiology is used, staffing and staff qualification requirements provided in this  
403 section shall remain in effect and shall be documented by the hospital.  
404
- 405 (5) The ability to perform expanded advanced imaging twenty-four (24) hours a day,  
406 seven (7) days a week, three hundred and sixty-five (365) days per year, which shall  
407 include, but not be limited to, the following:  
408
- 409 (A) Computed tomography angiography (CTA).  
410
- 411 (B) Magnetic resonance imaging (MRI).  
412
- 413 (C) Diffusion-weighted magnetic resonance imaging.  
414
- 415 (D) Computed tomography (CT) of the head.  
416
- 417 (E) Catheter angiography.  
418
- 419 (F) Magnetic resonance angiography (MRA).  
420
- 421 (G) Carotid duplex ultrasound.  
422
- 423 (H) Transcranial ultrasonography.  
424
- 425 (I) Transesophageal echocardiography (TEE).  
426
- 427 (6) A process to collect and review data regarding adverse patient outcomes following  
428 mechanical thrombectomy.  
429
- 430 (7) The ability to submit data for thirteen standardized performance measures:  
431
- 432 (A) Eight (8) stroke (STK) measures.  
433

434 (B) Five comprehensive stroke (CSTK) measures for the ischemic stroke population.

435

436 (8) Written transfer agreement with at least one comprehensive stroke center.

437

438 (b) Additional requirements may be required at the discretion of the local EMS agency  
439 medical director.

440

441 **§ 100270.225. Primary Stroke Centers**

442

443 (a) Hospitals designated by the local EMS agency as a primary stroke center shall meet  
444 all the following minimum criteria:

445

446 (1) Adequate staff, equipment, and training to perform rapid evaluation, triage, and  
447 treatment for the stroke patient in the emergency department.

448

449 (2) Standardized stroke care protocol.

450

451 (3) Stroke diagnosis and treatment capacity twenty-four (24) hours a day, seven (7)  
452 days a week, three hundred and sixty-five (365) days per year.

453

454 (4) A quality improvement system, including data collection.

455

456 (5) Continuing education in stroke care provided for staff physicians, staff nurses, staff  
457 allied health personnel, and EMS personnel.

458

459 (6) Public education on stroke and illness prevention.

460

461 (7) An acute stroke team, available to see in person or via telehealth, a patient identified  
462 as a potential acute stroke patient within 15 minutes following the patient's arrival at the  
463 hospital's emergency department or within 15 minutes following a diagnosis of a  
464 patient's potential acute stroke.

465

466 (A) At a minimum, an acute care stroke team shall consist of:

467

468 1. A neurologist, neurosurgeon, interventional neuro-radiologist, or emergency  
469 physician who is board certified or board eligible in neurology, neurosurgery,  
470 endovascular neurosurgical radiology, or other board-certified physician with sufficient  
471 experience and expertise in managing patients with acute cerebral vascular disease as  
472 determined by the hospital credentials committee.

473

474 2. A registered nurse, physician assistant or nurse practitioner who has demonstrated  
475 competency, as determined by the physician director described in above, in caring for  
476 acute stroke patients.

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- 478 (8) Written policies and procedures for stroke services which shall include written  
479 protocols and standardized orders for the emergency care of stroke patients. These  
480 policies and procedures shall be reviewed at least every two (2) years, revised as  
481 needed, and implemented.  
482
- 483 (9) Data-driven, continuous quality improvement process including collection and  
484 monitoring of standardized performance measures.  
485
- 486 (10) Neuro-imaging services capability that is available twenty-four (24) hours a day,  
487 seven (7) days a week, three hundred sixty-five (365) days per year, such that imaging  
488 shall be initiated within twenty-five (25) minutes following emergency department arrival.  
489
- 490 (11) Neuro-imaging services shall, at a minimum, include:  
491
- 492 (A) Computerized tomography (CT) scanning.  
493
- 494 (B) Magnetic resonance imaging (MRI).  
495
- 496 (C) Interpretation of the imaging.  
497
- 498 (12) If teleradiology is used in image interpretation, all staffing and staff qualification  
499 requirements contained in this section shall remain in effect and shall be documented  
500 by the hospital.  
501
- 502 (13) Neuro-imaging studies shall be reviewed by a physician with appropriate expertise,  
503 such as a board-certified radiologist, board-certified neurologist, a board-certified  
504 neurosurgeon, or residents who interpret such studies as part of their training in  
505 ACGME-approved radiology, neurology, or neurosurgery training program within forty-  
506 five (45) minutes of emergency department arrival.  
507
- 508 (A) For the purpose of this subsection, a qualified radiologist shall be board certified by  
509 the American Board of Radiology or the American Osteopathic Board of Radiology.  
510
- 511 (B) For the purpose of this subsection, a qualified neurologist shall be board certified by  
512 the American Board of Psychiatry and Neurology or the American Osteopathic Board of  
513 Neurology and Psychiatry.  
514
- 515 (C) For the purpose of this subsection, a qualified neurosurgeon shall be board certified  
516 by the American Board of Neurological Surgery.  
517
- 518 (14) Laboratory services capability that is available twenty-four (24) hours a day, seven  
519 (7) days a week, three hundred and sixty-five (365) days per year, such that services  
520 may be performed within forty-five (45) minutes following emergency department arrival.  
521

522 (15) Neurosurgical services that are available, including operating room availability,  
523 either directly or under an agreement with a comprehensive or primary stroke center,  
524 within two (2) hours following the admission of acute stroke patients to the primary  
525 stroke center.

526  
527 (16) Acute care rehabilitation services.

528  
529 (17) Transfer arrangements with one or more higher level of care centers when clinically  
530 warranted.

531  
532 (18) There shall be a physician director of a primary stroke center, who may also serve  
533 as a physician member of a stroke team, who is board-certified in neurology or  
534 neurosurgery or another board-certified physician with sufficient experience and  
535 expertise dealing with cerebral vascular disease as determined by the hospital  
536 credentials committee.

537  
538 (b) Additional requirements may be required at the discretion of the local EMS agency  
539 medical director.

540  
541 Note: Authority cited: Sections 1797.102, 1797.103, 1797.107, 1797.176, 1797.204  
542 1797.220, 1797.250, 1797.254, 1798.150, and 1798.172, Health and Safety Code.  
543 Reference: Sections 1797.104, 1797.176, and 1797.204, 1797.220, 1797.222,  
544 1798.170, Health and Safety Code.

545  
546 **§ 100270.226. Acute Stroke Ready Hospitals**

547  
548 (a) Hospitals designated by the local EMS agency as an acute stroke ready hospital  
549 shall meet all the following minimum criteria:

550  
551 (1) An acute stroke team available to see, in person or via telehealth, a patient identified  
552 as a potential acute stroke patient within thirty (30) minutes following the patient's arrival  
553 at the hospital's emergency department.

554  
555 (2) Written policies and procedures for emergency department stroke services that are  
556 reviewed, revised as needed, and implemented at least every three (3) years.

557  
558 (3) Emergency department policies and procedures shall include written protocols and  
559 standardized orders for the emergency care of stroke patients.

560  
561 (4) Data-driven, continuous quality improvement process including collection and  
562 monitoring of standardized performance measures.

563  
564 (5) Neuro-imaging services capability that is available twenty-four (24) hours a day,  
565 seven (7) days a week, three hundred and sixty-five (365) days per year, such that

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566 imaging shall be performed and reviewed by a physician within sixty (60) minutes  
567 following emergency department arrival.

568

569 (6) Neuro-imaging services shall, at a minimum, include:

570

571 (A) Computerized tomography (CT).

572

573 (B) Magnetic resonance imaging (MRI).

574

575 (C) Interpretation of the imaging.

576

577 (6) If teleradiology is used in image interpretation, all staffing and staff qualification  
578 requirements contained in this subsection shall remain in effect and shall be  
579 documented by the hospital.

580

581 (7) Neuro-imaging studies shall be reviewed by a physician with appropriate expertise,  
582 such as a board-certified radiologist, board-certified neurologist, a board-certified  
583 neurosurgeon, or residents who interpret such studies as part of their training in  
584 ACGME-approved radiology, neurology, or neurosurgery training program.

585

586 (A) For the purpose of this subsection, a qualified radiologist shall be board-certified by  
587 the American Board of Radiology or the American Osteopathic Board of Radiology.

588

589 (B) For the purpose of this subsection, a qualified neurologist shall be board-certified by  
590 the American Board of Psychiatry and Neurology or the American Osteopathic Board of  
591 Neurology and Psychiatry.

592

593 (C) For the purpose of this subsection, a qualified neurosurgeon shall be board-certified  
594 by the American Board of Neurological Surgery.

595

596 (b) Laboratory services shall, at a minimum, include blood testing, electrocardiography  
597 and x-ray services, and be available twenty-four (24) hours a day, seven (7) days a  
598 week, three hundred and sixty-five (365) days per year, and able to be completed and  
599 reviewed by physician within sixty (60) minutes following emergency department arrival.

600

601 (c) Neurosurgical services that are available, including operating room availability, either  
602 directly or under an agreement with a primary or comprehensive stroke center, within  
603 three (3) hours following the admission of acute stroke patients to an acute stroke-ready  
604 hospital.

605

606 (d) Transfer arrangements with one or more primary or comprehensive stroke center(s)  
607 that facilitate the transfer of patients with strokes to the stroke center(s) for care when  
608 clinically warranted.

609

610 (e) There shall be a director of an acute stroke-ready hospital, who may also serve as a  
611 member of a stroke team, who is a physician or advanced practice nurse who maintains  
612 at least six (6) hours per year of educational time in cerebrovascular disease;  
613

614 (f) Acute care stroke team for an acute stroke-ready hospital at a minimum shall consist  
615 of a nurse and a physician with training and expertise in acute stroke care.  
616

617 (g) Additional requirements may be included at the discretion of the local EMS agency  
618 medical director.  
619

620 Note: Authority cited: Sections 1797.103, 1797.107, 1797.176, 1797.204, 1797.220,  
621 1798.150, and 1798.172, Health and Safety Code. Reference: Sections 1797.204,  
622 1797.220, and 1797.222, Health and Safety Code.  
623

624 **§ 100270.227. EMS Receiving Hospitals (Non-designated for Stroke Critical Care**  
625 **Services)**

626 (a) An EMS receiving hospital that is not designated for stroke critical care services  
627 shall do the following, at a minimum and in cooperation with stroke receiving centers  
628 and the local EMS agency in their jurisdictions:  
629

630 (1) Participate in the local EMS agency's quality improvement system, including data  
631 submission as determined by the local EMS agency medical director.  
632

633 (2) Participate in the inter-facility transfer agreements to ensure access to a stroke  
634 critical care system for a potential stroke patient.  
635

636 Note: Authority cited: Sections 1797.88, 1797.103, 1797.107, 1797.176, 1797.220,  
637 1798.100, 1798.150, and 1798.172, Health and Safety Code. Reference: Sections  
638 1797.176, 1797.220, and 1798.150, 1798.170, Health and Safety Code.  
639

640 **ARTICLE 5. DATA MANAGEMENT, QUALITY IMPROVEMENT AND EVALUATION**  
641

642 **§ 100270.228. Data Management Requirements**  
643

644 (a) The local EMS agency shall implement a standardized data collection and reporting  
645 process for stroke critical care systems.  
646

647 (b) The system shall include the collection of both prehospital and hospital patient care  
648 data, as determined by the local EMS agency.  
649

650 (c) The prehospital stroke patient care elements shall be compliant with the most  
651 current version of the California EMS Information Systems (CEMSIS) database and the  
652 National EMS Information System (NEMSIS) database.  
653

654 (d) The hospital stroke patient care elements shall be compliant with the U.S. Centers  
655 for Disease Control and Prevention, Paul Coverdell National Acute Stroke Program  
656 Resource Guide, dated October 24, 2016.

657  
658 (e) All hospitals that receive stroke patients shall participate in the local EMS agency  
659 data collection process in accordance with local EMS agency policies and procedures.

660  
661 (f) Stroke data shall be collected and submitted by the local EMS agency, and  
662 subsequently to the EMS Authority, on no less than a quarterly basis.

663  
664 Note: Authority cited: Sections. 1797.102, 1797.103, 1797.107, 1797.176, 1797.204,  
665 1797.220, 1797.227, 1798.150, and 1798.172. Health and Safety Code. Reference:  
666 Section 1797.220, 1797.222, 1797.204.

667  
668 **§ 100270.229. Quality Improvement and Evaluation Process**

669  
670 (a) Each stroke critical care system shall have a quality improvement process to include  
671 structure, process, and outcome evaluations which focus on improvement efforts to  
672 identify root causes of problems, intervene to reduce or eliminate these causes, and  
673 take steps to correct the process. This process shall include, at a minimum:

674  
675 (1) A detailed audit of all stroke-related deaths, major complications, and transfers.

676  
677 (2) A multidisciplinary stroke quality improvement committee including both prehospital  
678 and hospital members.

679  
680 (3) Participation in the stroke data management system.

681  
682 (4) Compliance with the California Evidence Code, Section 1157.7 to ensure  
683 confidentiality, and a disclosure-protected review of selected stroke cases.

684  
685 (b) The local EMS agency shall be responsible for the following:

686  
687 (1) On-going performance evaluations of the local or regional stroke critical care  
688 system.

689  
690 (2) The development of a quality improvement process.

691  
692 (3) Ensuring that designated stroke centers, other hospitals that treat stroke patients  
693 and prehospital providers involved in a stroke critical care system participate in the  
694 quality improvement process.

695  
696 (c) The local EMS agency shall be responsible for the on-going performance evaluations  
697 of all levels of stroke centers.

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698

699 Note: Authority cited: Sections 1797.102, 1797.103, 1797.107, 1797.176, 1797.204,  
700 1797.220, 1797.250, 1797.254, 1798.150, and 1798.172. Health and Safety Code.

701 Reference: Section 1797.104, 1797.176, 1797.204, 1797.220, 1797.222, 1798.170

702 Health and Safety Code.

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