

1 MICHIGAN DEPARTMENT OF COMMUNITY HEALTH
2
3 CERTIFICATE OF NEED (CON) REVIEW STANDARDS FOR
4 COMPUTED TOMOGRAPHY (CT) SCANNER SERVICES
5

6 (By authority conferred on the CON Commission by Section 22215 of Act No. 368 of the Public Acts of
7 1978, as amended, and sections 7 and 8 of Act No. 306 of the Public Acts of 1969, as amended, being
8 sections 333.22215, 24.207 and 24.208 of the Michigan Compiled Laws.)
9

10 **Section 1. Applicability**
11

12 Sec. 1. These standards are requirements for the approval of the initiation, expansion, replacement, or
13 acquisition of CT services and the delivery of services under Part 222 of the Code. Pursuant to Part 222
14 of the Code, CT is a covered clinical service. The Department shall use these standards in applying
15 Section 22225(1) of the Code, being Section 333.22225(1) of the Michigan Compiled Laws and Section
16 22225(2)(c) of the Code, being Section 333.22225(2)(c) of the Michigan Compiled Laws.
17

18 **Section 2. Definitions**
19

20 Sec. 2. (1) For purposes of these standards:

21 (a) "Acquisition of an existing CT scanner service" means obtaining possession or control of an
22 existing fixed or mobile CT scanner service or existing CT scanner(s) by contract, ownership, or other
23 comparable arrangement. For proposed projects involving mobile CT scanners, this applies to the central
24 service coordinator and/or host facility.

25 (b) "Billable procedure" means a CT procedure billed as a single unit and performed in Michigan.

26 (c) "Body scans" include all spinal CT scans and any CT scan of an anatomical site below and
27 including the neck.

28 (d) "Bundled body scan" means two or more body scans billed as one CT procedure.

29 (e) "Central service coordinator" means the organizational unit which has operational responsibility for
30 a mobile CT scanner and which is a legal entity authorized to do business in the state of Michigan.

31 (f) "Certificate of Need Commission" or "Commission" means the Commission created pursuant to
32 Section 22211 of the Code, being Section 333.22211 of the Michigan Compiled Laws.

33 (g) "Code" means Act No. 368 of the Public Acts of 1978, as amended, being Section 333.1101 et
34 seq. of the Michigan Compiled Laws.

35 (h) "Computed tomography" or "CT" means the use of radiographic and computer techniques to
36 produce cross-sectional images of the head or body.

37 (i) "CT-angio hybrid unit" means an integrated system comprised of both CT and angiography
38 equipment sited in the same room that is designed specifically for interventional radiology or cardiac
39 procedures. The CT unit is a guidance mechanism and is intended to be used as an adjunct to the
40 procedure. The CT unit shall not be used for diagnostic studies unless the patient is currently undergoing
41 a CT-angio hybrid procedure and is in need of a secondary diagnostic study.

42 (j) "CT equivalents" means the resulting number of units produced when the number of billable
43 procedures for each category is multiplied by its respective conversion factor tabled in Section 22.

44 (k) "CT scanner" means x-ray CT scanning systems capable of performing CT scans of the head,
45 other body parts, or full body patient procedures including Positron Emission Tomography (PET)/CT
46 scanner hybrids if used for CT only procedures. The term does not include emission-computed
47 tomographic systems utilizing internally administered single-photon gamma ray emitters, positron
48 annihilation CT systems, magnetic resonance, ultrasound computed tomographic systems, CT simulators
49 used solely for treatment planning purposes in conjunction with an MRT unit, and non-diagnostic, intra-
50 operative guidance tomographic units.

51 (l) "CT scanner services" means the CON-approved utilization of a CT scanner(s) at one site in the
52 case of a fixed CT scanner service or at each host site in the case of a mobile CT scanner service.

- 53 (m) "Dedicated pediatric CT" means a fixed CT scanner on which at least 70% of the CT procedures
54 are performed on patients under 18 years of age.
- 55 (n) "Dental CT examinations" means use of a CT scanner specially designed to generate CT images
56 to facilitate dental procedures.
- 57 (o) "Dental procedures" means dental implants, wisdom teeth surgical procedures, mandibular or
58 maxillary surgical procedures, or temporal mandibular joint evaluations.
- 59 (p) "Department" means the Michigan Department of Community Health (MDCH).
- 60 (q) "Emergency room" means a designated area physically part of a licensed hospital and recognized
61 by the Department as having met the staffing and equipment requirements for the treatment of emergency
62 patients.
- 63 (r) "Excess CT Equivalents" means the number of CT equivalents performed by an existing CT
64 scanner service in excess of 10,000 per fixed CT scanner and 4,500 per mobile CT scanner or either an
65 existing fixed or mobile CT scanner service, the number of CT scanners used to compute excess CT
66 equivalents shall include both existing and approved but not yet operational CT scanners. In the case of a
67 CT scanner service that operates or has a valid CON to operate that has more than one fixed CT scanner
68 at the same site, the term means number of CT equivalents in excess of 10,000 multiplied by the number
69 of fixed CT scanners at the same site. For example, if a CT scanner service operates, or has a valid CON
70 to operate, two fixed CT scanners at the same site, the excess CT equivalents is the number that is in
71 excess of 20,000 (10,000 x 2) CT equivalents. In the case of an existing mobile CT scanner service, the
72 term means the sum of all CT equivalents performed by the same mobile CT scanner service at all of the
73 host sites combined that is in excess of 4,500. For example, if a mobile CT scanner service serves five
74 host sites with 1 mobile CT scanner, the term means the sum of CT equivalents for all five host sites
75 combined that is in excess of 4,500 CT equivalents.
- 76 (s) "Existing CT scanner service" means the utilization of a CON-approved and operational CT
77 scanner(s) at one site in the case of a fixed CT scanner service or at each host site in the case of a
78 mobile CT scanner service.
- 79 (t) "Existing CT scanner" means a CON-approved and operational CT scanner used to provide CT
80 scanner services.
- 81 (u) "Existing mobile CT scanner service" means a CON-approved and operational CT scanner and
82 transporting equipment operated by a central service coordinator serving two or more host sites.
- 83 (v) "Expand an existing CT scanner service" means the addition of one or more CT scanners at an
84 existing CT scanner service.
- 85 (w) "Head scans" include head or brain CT scans; including the maxillofacial area; the orbit, sella, or
86 posterior fossa; or the outer, middle, or inner ear; or any other CT scan occurring above the neck.
- 87 (x) "Health Service Area" or "HSA" means the groups of counties listed in Appendix A.
- 88 (y) "HIPAA" means the Health Insurance Portability and Accountability Act of 1996.
- 89 (z) "Hospital-based portable CT scanner or portable CT scanner" means a CT scanner capable of
90 being transported into patient care areas (i.e., ICU rooms, operating rooms, etc.) to provide high-quality
91 imaging of critically ill patients.
- 92 (aa) "Host site" means the site at which a mobile CT scanner is authorized to provide CT scanner
93 services.
- 94 (bb) "Initiate a CT scanner service" means to begin operation of a CT scanner, whether fixed or
95 mobile, at a site that does not perform CT scans as of the date an application is submitted to the
96 Department. The term does not include the acquisition or replacement of an existing CT scanner service
97 at the existing site or to a different site or the renewal of a lease.
- 98 (cc) "Medicaid" means title XIX of the social security act, chapter 531, 49 Stat. 620, 1396 to 1396w-5.
- 99 (dd) "Mobile CT scanner service" means a CT scanner and transporting equipment operated by a
100 central service coordinator and which must serve two or more host facilities.
- 101 (ee) "Mobile CT scanner network" means the route (all host facilities) the mobile CT scanner is
102 authorized to serve.
- 103 (ff) "Pediatric patient" means any patient less than 18 years of age.
- 104 (gg) "Replace an existing CT scanner" means an equipment change of an existing CT scanner, that
105 requires a change in the radiation safety certificate, proposed by an applicant which results in that

106 applicant operating the same number of CT scanners before and after project completion, at the same
107 geographic location. The term also includes relocating an existing CT scanner or CT scanner service
108 from an existing site to a different site.

109 (hh) "Sedated patient" means a patient that meets all of the following:

110 (i) Patient undergoes procedural sedation and whose level of consciousness is either moderate
111 sedation or a higher level of sedation, as defined by the American Association of Anesthesiologists, the
112 American Academy of Pediatrics, the Joint Commission on the Accreditation of Health Care
113 Organizations, or an equivalent definition.

114 (ii) Who requires observation by personnel, other than technical employees routinely assigned to the
115 CT unit, who are trained in cardiopulmonary resuscitation (CPR) and pediatric advanced life support
116 (PALS).

117 (ii) "Special needs patient" means a non-sedated patient, either pediatric or adult, with any of the
118 following conditions: down syndrome, autism, attention deficit hyperactivity disorder (ADHD),
119 developmental delay, malformation syndromes, hunter's syndrome, multi-system disorders, psychiatric
120 disorders, and other conditions that make the patient unable to comply with the positional requirements of
121 the exam.

122

123 (2) Terms defined in the Code have the same meanings when used in these standards.

124

125 **Section 3. Requirements for approval for applicants proposing to initiate a CT scanner service**

126

127 Sec. 3. An applicant proposing to initiate a CT scanner service, other than a dental CT scanner service
128 or a hospital-based portable CT scanner service, shall demonstrate the following, as applicable:

129

130 (1) A hospital proposing to initiate its first fixed CT scanner service shall demonstrate each of the
131 following:

132 (a) The proposed site is a hospital licensed under Part 215 of the Code.

133 (b) The hospital operates an emergency room that provides 24-hour emergency care services as
134 authorized by the local medical control authority to receive ambulance runs.

135

136 (2) An applicant, other than an applicant meeting all of the applicable requirements of subsection (1),
137 proposing to initiate a fixed CT scanner service shall project an operating level of at least 7,500 CT
138 equivalents per year for the second 12-month period after beginning operation of the CT scanner.

139

140 (3) An applicant proposing to initiate a mobile CT scanner service shall project an operating level of at
141 least 3,500 CT equivalents per year for the second 12-month period after beginning operation of the CT
142 scanner.

143

144 (4) An applicant proposing to initiate CT scanner services as an existing host site on a different
145 mobile CT scanner service shall demonstrate the following:

146 (a) The applicant provides a proposed route schedule.

147 (b) The applicant provides a draft contract for services between the proposed host site and central
148 service coordinator.

149

150 **Section 4. Requirements for approval for applicants proposing to initiate a dental CT scanner service**

151

152 Sec. 4. An applicant proposing to initiate a fixed or mobile dental CT scanner service shall demonstrate
153 each of the following, as applicable:

154

155 (1) An applicant is proposing a dental CT scanner service for the sole purpose of performing dental
156 CT examinations.

157

158

159 (2) The CT scanner generates a peak power of 5 kilowatts or less as certified by the manufacturer.
160

161 (3) An applicant proposing to initiate a dental CT scanner service, other than an applicant that is
162 proposing a dental CT scanner service in HSA 8, shall project an operating level of at least 200 dental CT
163 examinations per year for the second 12-month period after beginning operation of the dental CT scanner.
164

165 (4) The applicant has demonstrated to the satisfaction of the Department that the person(s) (e.g.,
166 technician, dentist) operating the dental CT scanner has been appropriately trained and/or certified by one
167 of the following groups, as recognized by the Department: a dental radiology program in a certified dental
168 school, an appropriate professional society, or a dental continuing education program accredited by the
169 American Dental Association.
170

171 (5) The applicant has demonstrated to the satisfaction of the Department that the dental CT
172 examinations generated by the proposed dental CT scanner will be interpreted by a licensed dentist(s)
173 trained and/or certified by one of the following groups, as recognized by the Department: a dental
174 radiology program in a certified dental school, an appropriate professional society, or a dental continuing
175 education program accredited by the American Dental Association.
176

177 (6) An applicant proposing to initiate mobile dental CT scanner services as an existing host site on a
178 different mobile dental CT scanner service shall demonstrate the following:

179 (a) The applicant provides a proposed route schedule.

180 (b) The applicant provides a draft contract for services between the proposed host site and central
181 service coordinator.
182

183 **Section 5. Requirements for approval for applicants proposing to expand an existing CT scanner** 184 **service** 185

186 Sec. 5. An applicant proposing to expand an existing CT scanner service, other than a dental CT
187 scanner service or a hospital-based portable CT scanner service, shall demonstrate the following, as
188 applicable:
189

190 (1) An applicant proposing to expand an existing fixed CT scanner service shall demonstrate that all of
191 the applicant's fixed CT scanners, excluding CT scanners approved pursuant to sections 6, 13, 14, and
192 18, have performed an average of at least 10,000 CT equivalents per fixed CT scanner for the most
193 recent continuous 12-month period preceding the applicant's request. In computing this average, the
194 Department will divide the total number of CT equivalents performed by the applicant's total number of
195 fixed CT scanners, including both operational and approved but not operational fixed CT scanners.
196

197 (2) An applicant proposing to expand an existing fixed CT scanner service approved pursuant to
198 Section 18 shall demonstrate that all of the applicant's dedicated pediatric CT scanners have performed
199 an average of at least 3,000 CT equivalents per dedicated pediatric CT scanner for the most recent
200 continuous 12-month period preceding the applicant's request. In computing this average, the
201 Department will divide the total number of CT equivalents performed by the applicant's total number of
202 dedicated pediatric CT scanners, including both operational and approved but not operational dedicated
203 pediatric CT scanners.
204

205 (3) If an applicant proposes to expand an existing mobile CT scanner service, the applicant shall
206 demonstrate that all of the applicant's mobile CT scanners have performed an average of at least 5,500
207 CT equivalents per mobile CT scanner for the most recent continuous 12-month period preceding the
208 applicant's request. In computing this average, the Department will divide the total number of CT
209 equivalents performed by the applicant's total number of mobile CT scanners, including both operational
210 and approved but not operational mobile CT scanners.
211

212 **Section 6. Requirements for approval for applicants proposing to expand an existing dental CT**
213 **scanner service**
214

215 Sec. 6. An applicant proposing to expand an existing fixed or mobile dental CT scanner service shall
216 demonstrate that all of the applicant's dental CT scanners have performed an average of at least 300
217 dental CT examinations per fixed or mobile dental CT scanner for the most recent continuous 12-month
218 period preceding the applicant's request. In computing this average, the Department will divide the total
219 number of dental CT examinations performed by the applicant's total number of fixed or mobile dental CT
220 scanners, including both operational and approved but not operational fixed or mobile dental CT scanners.
221

222 **Section 7. Requirements for approval for applicants proposing to replace an existing CT scanner**
223

224 Sec. 7. An applicant proposing to replace an existing CT scanner or service, other than a dental CT
225 scanner service or a hospital-based portable CT scanner service, shall demonstrate the following, as
226 applicable:
227

228 (1) An applicant proposing to replace an existing fixed, mobile, or dedicated pediatric CT scanner
229 shall demonstrate all of the following:

230 (a) The replacement CT scanner will be located at the same site as the CT scanner to be replaced.

231 (b) The existing CT scanner(s) proposed to be replaced is fully depreciated according to generally
232 accepted accounting principles, or, that the existing equipment clearly poses a threat to the safety of the
233 public, or, that the proposed replacement CT scanner offers technological improvements which enhance
234 quality of care, increase efficiency, and/or reduce operating costs and patient charges.
235

236 (2) An applicant proposing to replace an existing fixed CT scanner service to a different site shall
237 demonstrate that the proposed project meets all of the following:

238 (a) The existing fixed CT scanner service to be replaced has been in operation for at least 36 months
239 as of the date an application is submitted to the Department.

240 (b) The proposed new site is within a 10-mile radius of a site at which an existing fixed CT scanner
241 service is located if an existing fixed CT scanner service is located in a metropolitan statistical area
242 county, or a 20-mile radius if an existing fixed CT scanner service is located in a rural or micropolitan
243 statistical area county.

244 (c) The CT scanner service to be replaced performed at least an average of 7,500 CT equivalents
245 per fixed scanner in the most recent 12-month period for which the Department has verifiable data, except
246 for an applicant that meets all of the requirements of Section 3(1).

247 (d) The applicant agrees to operate the CT scanner service in accordance with all applicable project
248 delivery requirements set forth in Section 20 of these standards.
249

250 (3) An applicant proposing to replace a fixed CT scanner(s) of an existing CT scanner service to a
251 different site shall demonstrate that the proposed project meets all of the following:

252 (a) The existing CT scanner service from which the CT scanner(s) is to be replaced has been in
253 operation for at least 36 months as of the date an application is submitted to the Department.

254 (b) The proposed new site is within a 10-mile radius of a site at which an existing fixed CT scanner
255 service is located if an existing fixed CT scanner service is located in a metropolitan statistical area
256 county, or a 20-mile radius if an existing fixed CT scanner service is located in a rural or micropolitan
257 statistical area county..

258 (c) Each existing CT scanner at the service from which a scanner is to be replaced performed at
259 least an average of 7,500 CT equivalents per fixed scanner in the most recent 12-month period for which
260 the Department has verifiable data.

261 (d) The applicant agrees to operate the CT scanner(s) at the proposed site in accordance with all
262 applicable project delivery requirements set forth in Section 20 of these standards.

263 (e) For volume purposes, the new site shall remain associated with the existing CT service for a
264 minimum of three years.

265 **Section 8. Requirements for approval for applicants proposing to replace an existing dental CT**
266 **scanner**

267
268 Sec. 8. An applicant proposing to replace an existing dental CT scanner or service shall demonstrate
269 the following, as applicable:
270

271 (1) An applicant proposing to replace an existing fixed or mobile dental CT scanner shall demonstrate
272 all of the following:

273 (a) The replacement dental CT scanner will be located at the same site as the dental CT scanner to
274 be replaced.

275 (b) the existing dental CT scanner(s) proposed to be replaced is fully depreciated according to
276 generally accepted accounting principles, or, that the existing equipment clearly poses a threat to the
277 safety of the public, or that the proposed replacement dental CT scanner offers technological
278 improvements which enhance quality of care, increase efficiency, and/or reduce operating costs and
279 patient charges.
280

281 (2) An applicant proposing to replace an existing fixed dental CT scanner service to a different site
282 shall demonstrate that the proposed project meets all of the following:

283 (a) The existing fixed dental CT scanner service to be replaced has been in operation for at least 36
284 month as of the date an application is submitted to the Department.

285 (b) The proposed new site is within a 10-mile radius of a site at which an existing fixed dental CT
286 scanner service is located if an existing fixed dental CT scanner service is located in a metropolitan
287 statistical area county, or a 20-mile radius if an existing fixed dental CT scanner service is located in a
288 rural or micropolitan statistical area county.

289 (c) The dental CT scanner service to be replaced performed at least an average of 200 dental CT
290 examinations per fixed dental CT scanner in the most recent 12-month period for which the Department
291 has verifiable data.

292 (d) The applicant agrees to operate the dental CT scanner service in accordance with all applicable
293 project delivery requirements set forth in Section 20 of these standards.
294

295 (3) An applicant proposing to replace a fixed dental CT scanner(s) of an existing dental CT scanner
296 service to a different site shall demonstrate that the proposed project meets all of the following:

297 (a) The existing dental CT scanner service from which the dental CT scanner(s) is to be replaced has
298 been in operation for at least 36 months as of the date an application is submitted to the Department.

299 (b) For volume purposes, the new site shall remain associated with the existing CT service for a
300 minimum of three years.

301 (c) The proposed new site is within a 10-mile radius of a site at which an existing fixed dental CT
302 scanner service is located if an existing fixed dental CT scanner service is located in a metropolitan
303 statistical area county, or a 20-mile radius if an existing fixed dental CT scanner service is located in a
304 rural or micropolitan statistical area county.

305 (d) Each existing dental CT scanner at the service from which a scanner is to be replaced performed
306 at least an average of 200 dental CT examinations per fixed dental CT scanner in the most recent 12-
307 month period for which the Department has verifiable data.

308 (e) The applicant agrees to operate the dental CT scanner(s) at the proposed site in accordance with
309 all applicable project delivery requirements set forth in Section 20 of these standards.
310

311 **Section 9. Requirements for approval for applicants proposing to acquire an existing CT scanner**
312 **service or an existing CT scanner(s)**

313
314 Sec. 9. An applicant proposing to acquire an existing fixed or mobile CT scanner service, other than a
315 dental CT scanner service or a hospital-based portable CT scanner service, shall demonstrate the
316 following, as applicable:
317

318 (1) An applicant proposing to acquire an existing fixed or mobile CT scanner service, shall
319 demonstrate that a proposed project meets all of the following:
320 (a) For an application for the proposed first acquisition of an existing fixed or mobile CT scanner
321 service, for which a final decision has not been issued after June 4, 2004, an existing CT scanner service
322 to be acquired shall not be required to be in compliance with the volume requirement applicable to the
323 seller/lessor on the date the acquisition occurs. The CT scanner service shall be operating at the
324 applicable volume requirements set forth in Section 20 of these standards in the second 12 months after
325 the date the service is acquired, and annually thereafter.
326 (b) For any application for proposed acquisition of an existing fixed or mobile CT scanner service, an
327 applicant shall be required to demonstrate the following, as applicable:
328 (i) The fixed CT scanner service to be acquired performed at least 7,500 CT equivalents per fixed
329 CT scanner in the most recent 12-month period for which the Department has verifiable data, unless an
330 applicant meets all of the requirements of Section 3(1).
331 (ii) The mobile CT scanner service to be acquired performed at least 3,500 CT equivalents per
332 mobile CT scanner in the most recent 12-month period for which the Department has verifiable data.

333
334 (2) An applicant proposing to acquire an existing fixed or mobile CT scanner(s) of an existing fixed or
335 mobile CT scanner service shall demonstrate that the proposed project meets the following:
336 (a) For any application for proposed acquisition of an existing fixed or mobile CT scanner(s) of an
337 existing fixed or mobile CT scanner service, an applicant shall be required to demonstrate the following,
338 as applicable:
339 (i) The fixed CT scanner(s) to be acquired performed at least 7,500 CT equivalents per fixed CT
340 scanner in the most recent 12-month period for which the department has verifiable data.
341 (ii) The mobile CT scanner(s) to be acquired performed at least 3,500 CT equivalents per mobile CT
342 scanner in the most recent 12-month period for which the Department has verifiable data.

343
344 **Section 10. Requirements for approval for applicants proposing to acquire an existing dental CT**
345 **scanner service or an existing dental CT scanner(s)**
346

347 Sec. 10. (1) An applicant proposing to acquire an existing fixed or mobile dental CT scanner service
348 shall demonstrate that a proposed project meets all of the following:
349 (a) For an application for the proposed first acquisition of an existing fixed or mobile dental CT
350 scanner service, for which a final decision has not been issued after the effective date of these standards,
351 an existing dental CT scanner service to be acquired shall not be required to be in compliance with the
352 volume requirement applicable to the seller/lessor on the date the acquisition occurs. The dental CT
353 scanner service shall be operating at the applicable volume requirements set forth in Section 20 of these
354 standards in the second 12 months after the date the service is acquired, and annually thereafter.
355 (b) For any application for proposed acquisition of an existing fixed or mobile dental CT scanner
356 service, an applicant shall be required to demonstrate that the CT scanner service to be acquired
357 performed at least 200 dental CT examinations per dental CT scanner in the most recent 12-month
358 period, for which the Department has verifiable data.
359 (2) An applicant proposing to acquire an existing fixed dental CT scanner(s) of an existing fixed or
360 mobile dental CT scanner service shall demonstrate that the proposed project meets the following:
361 (a) For any application for proposed acquisition of an existing fixed or mobile dental CT scanner(s) of
362 an existing fixed or mobile dental CT scanner service, an applicant shall be required to demonstrate that
363 the fixed or mobile dental CT scanner(s) to be acquired performed at least 200 dental CT examinations
364 per dental CT scanner in the most recent 12-month period for which the Department has verifiable data.

365
366 **Section 11. Requirements for a dedicated research fixed CT scanner**
367

368 Sec. 11. An applicant proposing to add a fixed CT scanner to an existing CT scanner service for
369 exclusive research use shall demonstrate the following:
370

371 (1) The applicant agrees that the dedicated research CT scanner will be used primarily (70% or more
372 of the scans) for research purposes.
373

374 (2) The dedicated research CT scanner shall operate under a protocol approved by the applicant's
375 Institutional Review Board, as defined by Public Law 93-348 and regulated by Title 45 CFR 46.
376

377 (3) The proposed site can have no more than three dedicated research fixed CT scanners approved
378 under this section.
379

380 (4) The dedicated research scanner approved under this section may not utilize CT procedures
381 performed on the dedicated CT scanner to demonstrate need or to satisfy CT CON review standards
382 requirements.
383

384 **Section 12. Requirements for approval of an applicant proposing a CT scanner used for the sole**
385 **purpose of performing dental CT examinations exclusively for research**
386

387 Sec. 12. (1) An applicant proposing a CT scanner used for the sole purpose of performing dental CT
388 examinations exclusively for research shall demonstrate each of the following:

389 (a) The applicant operates a dental radiology program in a certified dental school.

390 (b) The research dental CT scanner shall operate under a protocol approved by the applicant's
391 institutional review board.

392 (c) The applicant agrees to operate the research dental CT scanner in accordance with the terms of
393 approval in Section 20(6).
394

395 (2) An applicant meeting the requirements of subsection (1) shall also demonstrate compliance with
396 the requirements of sections 4(2), 4(4) and 4(5).
397

398 **Section 13. Requirements for approval of a hospital-based portable CT scanner for initiation,**
399 **expansion, replacement, and acquisition**
400

401 Sec. 13. An applicant proposing to initiate, expand, replace, or acquire a hospital-based portable CT
402 scanner shall demonstrate that it meets all of the following:
403

404 (1) An applicant is limited to the initiation, expansion, replacement, or acquisition of no more than two
405 hospital-based portable CT scanners.
406

407 (2) The proposed site is a hospital licensed under Part 215 of the Code.
408

409 (3) The hospital has been certified as a level I or level II trauma facility by the American College of
410 Surgeons, or has performed >100 craniotomies in the most recent 12- month period verifiable by the
411 Department.
412

413 (4) The applicant agrees to operate the hospital-based portable CT scanner in accordance with all
414 applicable project delivery requirements set forth in Section 20 of these standards.
415

416 (5) The approved hospital-based portable CT scanner will not be subject to CT volume requirements.
417

418 (6) The applicant may not utilize CT procedures performed on a hospital-based portable CT scanner
419 to demonstrate need or to satisfy CT CON review standards requirements.
420

421 **Section 14. Requirements for approval of a PET/CT hybrid for initiation, expansion, replacement,**
422 **and acquisition**

423
424 Sec. 14. An applicant proposing to initiate, expand, replace, or acquire a PET/CT hybrid shall
425 demonstrate that it meets all of the following:

426
427 (1) There is an approved PET CON for the PET/CT hybrid, and the PET/CT hybrid is in compliance
428 with all applicable project delivery requirements as set forth in the CON review standards for PET.

429
430 (2) The applicant agrees to operate the PET/CT hybrid in accordance with all applicable project
431 delivery requirements set forth in Section 20 of these standards.

432
433 (3) The approved PET/CT hybrid will not be subject to CT volume requirements.

434
435 (4) A PET/CT scanner hybrid approved under the CON Review Standards for PET Scanner Services
436 and the Review Standards for CT Scanner Services may not utilize CT procedures performed on a hybrid
437 scanner to demonstrate need or to satisfy CT CON review standards requirements.

438
439 **Section 15. Requirements for approval of a CT-angio hybrid unit for initiation, replacement, and**
440 **acquisition**

441
442 Sec. 15. An applicant proposing to initiate, replace, or acquire a hospital-based CT-angio hybrid unit
443 shall demonstrate each of the following, as applicable to the proposed project:

444
445 (1) The proposed site is a licensed hospital under Part 215 of the Code.

446
447 (2) The proposed site has an existing fixed CT scanner service that has been operational for the
448 previous 36 consecutive months and is meeting its minimum volume requirements.

449
450 (3) The proposed site offers the following services:

451 (a) diagnostic cardiac catheterization; or

452 (b) interventional radiology; or

453 (c) surgical services

454
455 (4) The proposed CT-angio hybrid unit must be located in one of the following rooms:

456 (a) cardiac catheterization lab; or

457 (b) interventional radiology suite; or

458 (c) licensed operating room

459
460 (5) Diagnostic CT studies shall not be performed on a CT-angio hybrid unit approved under this
461 section unless the patient is currently undergoing a CT-angio hybrid interventional procedure and is in
462 need of a secondary diagnostic CT study.

463
464 (6) The approved CT-angio hybrid shall not be subject to CT volume requirements.

465
466 (7) The applicant shall not utilize the procedures performed on the CT-angio hybrid unit to
467 demonstrate need or to satisfy CT CON review standards requirements.

468
469 **Section 16. Additional requirements for approval of a mobile CT scanner service**

470
471 Sec. 16. (1) An applicant proposing to initiate a mobile CT scanner service in Michigan shall
472 demonstrate that it meets all of the following additional requirements:

473 (a) A separate CON application shall be submitted by the central service coordinator and each
474 Michigan host facility.

475 (b) The normal route schedule, the procedures for handling emergency situations, and copies of all
476 potential contracts related to the mobile CT scanner service shall be included in the CON application
477 submitted by the central service coordinator.

478
479 (2) An applicant proposing to become a host facility on an existing mobile CT scanner network shall
480 demonstrate that it meets all of the following additional requirements:

481 (a) Approval of the application will not result in an increase in the number of operating mobile CT
482 scanners for the mobile CT scanner network unless the requirements of Section 5 have been met.

483 (b) A separate CON application has been filed for each host facility.

484

485 **Section 17. Additional requirements for approval of a mobile dental CT scanner service**

486

487 Sec. 17. (1) An applicant proposing to initiate a mobile dental CT scanner service in Michigan shall
488 demonstrate that it meets all of the following additional requirements:

489 (a) A separate CON application shall be submitted by the central service coordinator and each
490 Michigan host facility.

491 (b) The normal route schedule, the procedures for handling emergency situations, and copies of all
492 potential contracts related to the mobile dental CT scanner service shall be included in the CON
493 application submitted by the central service coordinator.

494

495 (2) An applicant proposing to become a host facility on an existing mobile dental CT scanner network
496 shall demonstrate that it meets all of the following additional requirements:

497 (a) Approval of the application will not result in an increase in the number of operating mobile dental
498 CT scanners for the mobile dental CT scanner network unless the requirements of Section 6 have been
499 met.

500 (b) A separate CON application has been filed for each host facility.

501

502 **Section 18. Requirements for approval of an applicant proposing to establish dedicated pediatric** 503 **CT Scanner**

504

505 Sec. 18. (1) An applicant proposing to establish dedicated pediatric CT shall demonstrate all of the
506 following:

507 (a) The applicant shall have experienced at least 7,000 pediatric (< 18 years old) discharges
508 (excluding normal newborns) in the most recent year of operation.

509 (b) The applicant shall have performed at least 5,000 pediatric (< 18 years old) surgeries in the most
510 recent year of operation.

511 (c) The applicant shall have an active medical staff, at the time the application is submitted to the
512 Department that includes, but is not limited to, physicians who are fellowship-trained in the following
513 pediatric specialties:

514 (i) pediatric radiology (at least two)

515 (ii) pediatric anesthesiology

516 (iii) pediatric cardiology

517 (iv) pediatric critical care

518 (v) pediatric gastroenterology

519 (vi) pediatric hematology/oncology

520 (vii) pediatric neurology

521 (viii) pediatric neurosurgery

522 (ix) pediatric orthopedic surgery

523 (x) pediatric pathology

524 (xi) pediatric pulmonology

525 (xii) pediatric surgery

526 (xiii) neonatology
527 (d) The applicant shall have in operation the following pediatric specialty programs at the time the
528 application is submitted to the Department:

- 529 (i) pediatric bone marrow transplant program
- 530 (ii) established pediatric sedation program
- 531 (iii) pediatric open heart program

532
533 (2) An applicant meeting the requirements of subsection (1) shall be exempt from meeting the
534 requirements of Section 3 of these standards.

535
536 **Section 19. Requirements for Medicaid participation**

537
538 Sec. 19. An applicant shall provide verification of Medicaid participation. An applicant that is a new
539 provider not currently enrolled in Medicaid shall certify that proof of Medicaid participation will be provided
540 to the Department within six (6) months from the offering of services if a CON is approved.

541
542 **Section 20. Project delivery requirements and terms of approval for all applicants**

543
544 Sec. 20. An applicant shall agree that, if approved, the CT scanner(s) services shall be delivered in
545 compliance with the following terms of approval.

- 546 (1) Compliance with these standards.
- 547 (2) Compliance with the following quality assurance standards:
 - 548 (a) The applicant shall establish a mechanism to assure that the CT scanner facility is staffed so that:
 - 549 (i) The screening of requests for CT procedures and interpretation of CT procedures will be
 - 550 performed by physicians with training and experience in the appropriate diagnostic use and interpretation
 - 551 of cross-sectional images of the anatomical region(s) to be examined, and
 - 552 (ii) The CT scanner is operated by physicians and/or is operated by radiological technologists
 - 553 qualified by training and experience to operate the CT scanner safely and effectively.

554 For purposes of evaluating (a)(i), the Department shall consider it prima facie evidence of a satisfactory
555 assurance mechanism as to screening and interpretation if the applicant requires the screening of
556 requests for and interpretations of CT procedures to be performed by physicians who are board certified
557 or eligible in radiology or are neurologists or other specialists trained in cross-sectional imaging of a
558 specific organ system. For purposes of evaluating (a)(i) the Department shall consider it prima facie
559 evidence of a satisfactory assurance mechanism as to the operation of a CT scanner if the applicant
560 requires the CT scanner to be operated by a physician or by a technologist registered by the American
561 Registry of Radiological Technologists (ARRT) or the American Registry of Clinical Radiography
562 Technologists (ARCRT). However, the applicant may submit and the Department may accept other
563 evidence that the applicant has established a mechanism to assure that the CT scanner facility is
564 appropriately and adequately staffed as to screening, interpretation, and/or operation of a CT scanner.

565 (b) The applicant shall employ or contract with a radiation physicist to review the quality and safety of
566 the operation of the CT scanner.

567 (c) The applicant shall assure that at least one of the physicians responsible for the screening and
568 interpretation as defined in subsection (a)(i) will be in the CT facility or available on a 24-hour basis (either
569 on-site or through telecommunication capabilities) to make the final interpretation.

570 (d) In the case of an urgent or emergency CT scan, the applicant shall assure that a physician so
571 authorized by the applicant to interpret initial scans will be on-site or available through telecommunication
572 capabilities within 1 hour following completion of the scanning procedure to render an initial interpretation
573 of the scan. A final interpretation shall be rendered by a physician so authorized under subsection (a)(i)
574 within 24 hours.

575 (e) The applicant shall have, within the CT scanner facility, equipment and supplies to handle clinical
576 emergencies that might occur within the CT unit, with CT facility staff trained in CPR and other appropriate

579 emergency interventions, and a physician on site in or immediately available to the CT scanner at all times
580 when patients are undergoing scans.

581 (f) Fixed CT scanner services at each facility shall be made available 24 hours a day for emergency
582 patients.

583 (g) The applicant shall accept referrals for CT scanner services from all appropriately licensed
584 practitioners.

585 (h) The applicant shall establish and maintain: (a) a standing medical staff and governing body (or its
586 equivalent) requirement that provides for the medical and administrative control of the ordering and
587 utilization of CT patient procedures, and (b) a formal program of utilization review and quality assurance.
588 These responsibilities may be assigned to an existing body of the applicant, as appropriate.

589 (i) An applicant approved under Section 18 must be able to prove that all radiologists, technologists
590 and nursing staff working with CT patients have continuing education or in-service training on pediatric
591 low-dose CT. The site must also be able to provide evidence of defined low-dose pediatric CT protocols.

592

593 (3) Compliance with the following access to care requirements:

594 (a) The applicant, to assure that the CT scanner will be utilized by all segments of the Michigan
595 population, shall:

596 (i) not deny any CT scanner services to any individual based on ability to pay or source of payment;

597 (ii) provide all CT scanning services to any individual based on the clinical indications of need for the
598 service; and

599 (iii) maintain information by payor and non-paying sources to indicate the volume of care from each
600 source provided annually.

601 (b) An applicant shall participate in Medicaid at least 12 consecutive months within the first two years
602 of operation and continue to participate annually thereafter.

603 (c) The operation of and referral of patients to the CT scanner shall be in conformance with 1978 PA
604 368, Sec. 16221, as amended by 1986 PA 319; MCL 333.16221; MSA 14.15 (16221).

605

606 Compliance with selective contracting requirements shall not be construed as a violation of this term.

607

608 (4) Compliance with the following monitoring and reporting requirements:

609 (a) The approved CT scanners shall be operating at an average of 7,500 CT equivalents scanner per
610 fixed scanner and 3,500 CT equivalents per mobile scanner per year for the second 12-month period after
611 beginning operation of the CT scanner, and annually thereafter, except for those scanners exempt under
612 applicable sections.

613 (b) The applicant shall participate in a data collection network established and administered by the
614 Department or its designee. The data may include, but is not limited to, annual budget and cost
615 information, operating schedules, through-put schedules, demographic and diagnostic information, the
616 volume of care provided to patients from all payor sources, and other data requested by the Department,
617 and approved by the Commission. The applicant shall provide the required data on a separate basis for
618 each separate and distinct site as required by the Department; in a format established by the Department;
619 and in a mutually agreed upon media. The Department may elect to verify the data through on-site review
620 of appropriate records.

621 (c) Equipment to be replaced shall be removed from service.

622 (d) The applicant shall provide the Department with timely notice of the proposed project
623 implementation consistent with applicable statute and promulgated rules.

624 (e) An applicant approved under Section 4 shall not be required to be in compliance with subsection
625 (2).

626

627 (5) Compliance with the following dental CT scanner (fixed or mobile) requirements, if applicable:

628 (a) The CT scanner will be used for the sole purpose of dental CT examinations.

629 (b) The applicant shall demonstrate to the satisfaction of the Department that the person(s) (e.g.,
630 technician, dentist) operating the dental CT scanner has been appropriately trained and/or certified by one
631 of the following groups, as recognized by the Department: a dental radiology program in a certified dental

632 school, an appropriate professional society, or a dental continuing education program accredited by the
633 American Dental Association.

634 (c) The applicant shall demonstrate to the satisfaction of the Department that the dental CT
635 examinations generated by the dental CT scanner will be interpreted by a licensed dentist(s) trained
636 and/or certified by one of the following groups, as recognized by the Department: a dental radiology
637 program in a certified dental school, an appropriate professional society, or a dental continuing education
638 program accredited by the American Dental Association.

639 (d) The applicant shall demonstrate to the satisfaction of the Department that the dentists using the
640 dental CT examinations for performing dental procedures has had the appropriate training and/or
641 experience certified by one of the following groups, as recognized by the Department: a dental radiology
642 program in a certified dental school, an appropriate professional society, or a dental continuing education
643 program accredited by the American Dental Association.

644 (e) The applicant, to assure that the dental CT scanner will be utilized by all segments of the Michigan
645 population, shall:

646 (i) not deny dental CT scanner services to any individual based on ability to pay or source of
647 payment;

648 (ii) provide dental CT scanning services to any individual based on the clinical indications of need for
649 the service; and

650 (iii) maintain information by payor and non-paying sources to indicate the volume of care from each
651 source provided annually. Compliance with selective contracting requirements shall not be construed as a
652 violation of this term.

653 (f) The CT scanner shall be operating at least 200 CT equivalents per year for the second 12-month
654 period after beginning operation of the dental CT scanner and annually thereafter.

655 (g) The applicant shall participate in a data collection network established and administered by the
656 Department or its designee. The data may include, but is not limited to, annual budget and cost
657 information, operating schedules, through-put schedules, demographic and diagnostic information, the
658 volume of care provided to patients from all payor sources, and other data requested by the Department,
659 and approved by the Commission. The applicant shall provide the required data on a separate basis for
660 each separate and distinct site as required by the Department; in a format established by the Department;
661 and in a mutually agreed upon media. The Department may elect to verify the data through on-site review
662 of appropriate records.

663 (h) Equipment to be replaced shall be removed from service.

664 (i) The applicant shall provide the Department with timely notice of the proposed project
665 implementation consistent with applicable statute and promulgated rules.

666 (j) An applicant shall participate in Medicaid at least 12 consecutive months within the first two years
667 of operation and continue to participate annually thereafter.

668

669 (6) An applicant for a CT scanner used for dental research under Section 12(1) shall agree that the
670 services provided by the CT scanner approved pursuant to Section 12(1) shall be delivered in compliance
671 with the following terms of CON approval:

672 (a) The capital and operating costs relating to the CT scanner used for dental research pursuant to
673 Section 12(1) shall be charged only to a specific research account(s) and not to any patient or third-party
674 payor.

675 (b) The CT scanner used for dental research approved pursuant to Section 12(1) shall not be used
676 for any purposes other than as approved by the institutional review board unless the applicant has
677 obtained CON approval for the CT scanner pursuant to part 222 and these standards, other than Section
678 12.

679

680 (7) An applicant approved under Section 13 shall be in compliance with the following:

681 (a) Portable CT scanner can only be used by a qualifying program for the following purposes:

682 (i) Brain scanning of patients being treated in an adult or pediatric Intensive Care Unit (ICU).

683 (ii) Non-diagnostic, intraoperative guidance in an operating room.

684 (b) The approved applicant must provide annual reports to the Department by January 31st of each
685 year for the preceding calendar year. This requirement applies to all applicants approved under Section
686 13.

687 (c) The following data must be reported to the Department:

688 (i) Number of adult studies (age \geq 18)

689 (ii) Number of pediatric studies (age $<$ 18)

690 (iii) Number of studies performed using a portable CT on the same patient while that patient is in an
691 ICU

692

693 (8) An applicant approved under Section 15 shall be in compliance with the following:

694 (a) The proposed site offers the following services:

695 (i) diagnostic cardiac catheterization; or

696 (ii) interventional radiology; or

697 (iii) surgical services

698 (b) The proposed CT-Angio hybrid unit must be located in one of the following rooms:

699 (i) cardiac catheterization lab; or

700 (ii) interventional radiology suite; or

701 (iii) licensed operating room

702

703 (9) The agreements and assurances required by this section shall be in the form of a certification
704 agreed to by the applicant or its authorized agent.

705

706 **Section 21. Project delivery requirements and additional terms of approval for applicants**
707 **involving mobile CT scanners**

708

709 Sec. 21. (1) In addition to the provisions of Section 20, an applicant for a mobile CT scanner shall
710 agree that the services provided by the mobile CT scanner(s) shall be delivered in compliance with the
711 following terms of CON approval:

712 (a) A host facility shall submit only one CON application for a CT scanner for review at any given
713 time.

714 (b) A mobile CT scanner with an approved CON shall notify the Michigan Department of Community
715 Health prior to ending service with an existing host facility.

716 (c) A CON shall be required to add a host facility.

717 (d) A CON shall be required to change the central service coordinator.

718 (e) Each host facility must have at least one board certified or board eligible radiologist on its medical
719 staff. The radiologist(s) shall be responsible for: (i) establishing patient examination and infusion
720 protocol, and (ii) providing for the interpretation of scans performed by the mobile CT scanner.

721 (f) Each mobile CT scanner service must have an Operations Committee with members
722 representing each host facility, the central service coordinator, and the central service medical director.
723 This committee shall oversee the effective and efficient use of the CT scanner, establish the normal route
724 schedule, identify the process by which changes are to be made to the schedule, develop procedures for
725 handling emergency situations, and review the ongoing operations of the mobile CT scanner on at least a
726 quarterly basis.

727 (g) The central service coordinator shall arrange for emergency repair services to be available 24
728 hours each day for the mobile CT scanner as well as the vehicle transporting the equipment. In addition,
729 to preserve image quality and minimize CT scanner downtime, calibration checks shall be performed on
730 the CT scanner at least once each work day and routine maintenance services shall be provided on a
731 regularly scheduled basis, at least once a week during hours not normally used for patient procedures.

732 (h) Each host facility must provide a properly prepared parking pad for the mobile CT scanner of
733 sufficient load-bearing capacity to support the vehicle, a waiting area for patients, and a means for
734 patients to enter the vehicle without going outside (such as a canopy or enclosed corridor). Each host
735 facility must also provide the capability for processing the film and maintaining the confidentiality of patient

736 records. A communication system must be provided between the mobile vehicle and each host facility to
 737 provide for immediate notification of emergency medical situations.

738 (i) A mobile CT scanner service shall operate under a contractual agreement that includes the
 739 provision of CT scanner services at each host facility on a regularly scheduled basis.

740 (j) The volume of utilization at each host facility shall be reported to the Department by the central
 741 service coordinator under the terms of Section 20(2)(i).

742
 743 (2) The agreements and assurances required by this section shall be in the form of a certification
 744 agreed to by the applicant or its authorized agent.

745
 746 **Section 22. Determination of CT Equivalents**
 747

748 Sec. 22. CT equivalents shall be calculated as follows:

749 (a) Each billable procedure for the time period specified in the applicable section(s) of these
 750 standards shall be assigned to a category set forth in Table 1.

751 (b) The number of billable procedures for each category in the time period specified in the applicable
 752 section(s) of these standards shall be multiplied by the corresponding conversion factor in Table 1 to
 753 determine the number of CT equivalents for that category for that time period.

754 (c) The number of CT equivalents for each category shall be summed to determine the total CT
 755 equivalents for the time period specified in the applicable section(s) of these standards.

756 (d) The conversion factor for pediatric/special needs patients does not apply to procedures performed
 757 on a dedicated pediatric CT scanner.

758
 759 Table 1

760 Category	761 Number of Billable CT Procedures	762	763 Conversion Factor	764 =	765 CT Equivalents
766 <u>Adult Patient</u>					
767 Head Scans w/o Contrast (includes dental CT examinations)	_____	768 X	769 1.00	770 =	771 _____
772 Head Scans with Contrast	_____	773 X	774 1.25	775 =	776 _____
777 Head Scans w/o & w Contrast	_____	778 X	779 1.75	780 =	781 _____
782 Body Scans w/o Contrast	_____	783 X	784 1.50	785 =	786 _____
787 Body Scans with Contrast	_____	788 X	789 1.75	790 =	791 _____
792 Body Scans w/o & w Contrast	_____	793 X	794 2.75	795 =	796 _____
797 Bundled body Scan	_____	798 X	799 3.50	800 =	801 _____
802 <u>Pediatric/Special Needs Patient</u>					
803 Head scans w/o Contrast (includes dental CT examinations)	_____	804 x	805 1.25	806 =	807 _____
808 Head Scans with Contrast	_____	809 x	810 1.50	811 =	812 _____
813 Head Scans w/o & with Contrast	_____	814 x	815 2.00	816 =	817 _____
818 Body Scans w/o Contrast	_____	819 x	820 1.75	821 =	822 _____
823 Body Scans with Contrast	_____	824 x	825 2.00	826 =	827 _____
828 Body Scans w/o & with Contrast	_____	829 x	830 3.00	831 =	832 _____
833 Bundled body Scan	_____	834 X	835 4.00	836 =	837 _____
838 Total CT Equivalents					839 _____

840 **Section 23. Documentation of projections**
 841

842
 843 Sec. 23. An applicant required to project volumes under sections 3 and 4 shall demonstrate the
 844 following, as applicable:
 845

789 (1) An applicant required to project under Section 3 shall demonstrate that the projection is based on
790 historical physician referrals that resulted in an actual scan for the most recent 12-month period
791 immediately preceding the date of the application. Historical physician referrals will be verified with the
792 data maintained by the Department through its "Annual Hospital statistical survey" and/or "Annual
793 Freestanding Statistical Survey."
794

795 (2) An applicant required to project under Section 4 shall demonstrate that the projection is based on
796 a combination of the following for the most recent 12-month period immediately preceding the date of the
797 application:

- 798 (a) the number of dental procedures performed by the applicant, and
- 799 (b) the number of committed dental procedures performed by referring licensed dentists. Further, the
800 applicant and the referring licensed dentists shall substantiate the numbers through the submission of
801 HIPAA compliant billing records.

802 (3) An applicant shall demonstrate that the projected number of referrals to be performed at the
803 proposed site under subsection (1) are from an existing CT scanner service that is in compliance with the
804 volume requirements applicable to that service, and will continue to be in compliance with the volume
805 requirements applicable to that service subsequent to the initiation of the proposed CT scanner service by
806 an applicant. This does not include dental CT scanners. Only excess CT equivalents equal to or greater
807 than what is being committed pursuant to this subsection may be used to document projections under
808 subsection (1). In demonstrating compliance with this subsection, an applicant shall provide each of the
809 following:

810 (a) A written commitment from each referring physician that he or she will refer at least the volume of
811 CT scans to be transferred to the proposed CT scanner service for no less than 3 years subsequent to the
812 initiation of the CT scanner service proposed by an applicant.

813 (b) The number of referrals committed must have resulted in an actual CT scan of the patient at the
814 existing CT scanner service from which referral will be transferred. The committing physician must make
815 available HIPAA compliant audit material if needed upon Department request to verify referral sources and
816 outcomes. Commitments must be verified by the most recent data set maintained by the Department
817 through its "Annual Hospital Statistical Survey" and/or "Annual Freestanding Statistical Survey."

818 (c) The projected referrals are from an existing CT scanner service within a 75-mile radius for rural
819 and micropolitan statistical area counties or 20-mile radius for metropolitan statistical area counties.
820

821 **Section 24. Effect on prior CON review standards; comparative reviews**

822
823 Sec. 24. (1) These CON review standards supersede and replace the CON Review Standards
824 for Computed Tomography Scanner Services approved by the CON Commission on ~~December 15,~~
825 ~~2014~~MARCH 18, 2014 and effective on ~~February 27, 2012~~JUNE 2, 2014.
826

827 (2) Projects reviewed under these standards shall not be subject to comparative review.
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Counties assigned to each of the health service areas are as follows:

HEALTH SERVICE AREA	COUNTIES		
1	Livingston Macomb Wayne	Monroe Oakland	St. Clair Washtenaw
2	Clinton Eaton	Hillsdale Ingham	Jackson Lenawee
3	Barry Berrien Branch	Calhoun Cass Kalamazoo	St. Joseph Van Buren
4	Allegan Ionia Kent Lake	Mason Mecosta Montcalm Muskegon	Newaygo Oceana Osceola Ottawa
5	Genesee	Lapeer	Shiawassee
6	Arenac Bay Clare Gladwin Gratiot	Huron Iosco Isabella Midland Ogemaw	Roscommon Saginaw Sanilac Tuscola
7	Alcona Alpena Antrim Benzie Charlevoix Cheboygan	Crawford Emmet Gd Traverse Kalkaska Leelanau Manistee	Missaukee Montmorency Oscoda Otsego Presque Isle Wexford
8	Alger Baraga Chippewa Delta Dickinson	Gogebic Houghton Iron Keweenaw Luce	Mackinac Marquette Menominee Ontonagon Schoolcraft

871
872
873 Rural Michigan counties are as follows:

874			
875	Alcona	Hillsdale	Oceana
876	Alger	Huron	Ogemaw
877	Antrim	Iosco	Ontonagon
878	Arenac	Iron	Osceola
879	Baraga	Lake	Oscoda
880	Charlevoix	Luce	Otsego
881	Cheboygan	Mackinac	Presque Isle
882	Clare	Manistee	Roscommon
883	Crawford	Mason	Sanilac
884	Emmet	Montcalm	Schoolcraft
885	Gladwin	Montmorency	Tuscola
886	Gogebic	NEWAYGO	

887
888 Micropolitan statistical area Michigan counties are as follows:

889			
890	Allegan	HILLSDALE	MASON
891	Alpena	Houghton	Mecosta
892	Benzie	IONIA	Menominee
893	Branch	Isabella	Midland
894	Chippewa	Kalkaska	Missaukee
895	Delta	Keweenaw	St. Joseph
896	Dickinson	Leelanau	Shiawassee
897	Grand Traverse	Lenawee	Wexford
898	Gratiot	Marquette	

899
900 Metropolitan statistical area Michigan counties are as follows:

901			
902	Barry	Ionia	MONTCALM Newaygo
903	Bay	Jackson	Muskegon
904	Berrien	Kalamazoo	Oakland
905	Calhoun	Kent	Ottawa
906	Cass	Lapeer	Saginaw
907	Clinton	Livingston	St. Clair
908	Eaton	Macomb	Van Buren
909	Genesee	MIDLAND	Washtenaw
910	Ingham	Monroe	Wayne

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912 Source:
913
914 | [65-75 F.R.](#), p. [82238-37245](#) ([December 27](#)[JUNE 28, 2000](#)[2010](#))
915 Statistical Policy Office
916 Office of Information and Regulatory Affairs
917 United States Office of Management and Budget