

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. (1)~~ These standards are requirements for the approval ~~and OF THE INITIATION,~~  
13 ~~EXPANSION, REPLACEMENT, RELOCATION, OR ACQUISITION OF CT SERVICES AND THE~~  
14 ~~delivery of services for all projects approved and certificates of need issued under Part 222 of the Code~~  
15 ~~which involve CT scanners.~~

16  
17 ~~(2) CT scanner is a covered clinical service for purposes of PURSUANT TO Part 222 of the Code.~~  
18 ~~CT IS A COVERED CLINICAL SERVICE.~~

19  
20 ~~(3) The Department shall use sections 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, and 22,~~  
21 ~~as applicable, THESE STANDARDS in applying Section 22225(1) of the Code, being Section~~  
22 ~~333.22225(1) of the Michigan Compiled Laws.~~

23  
24 ~~The Department shall use sections 19 and 20, as applicable, in applying AND Section 22225(2)(c) of the~~  
25 ~~Code, being Section 333.22225(2)(c) of the Michigan Compiled Laws.~~

26 (4)

27  
28 **Section 2. Definitions**

29  
30 Sec. 2. (1) For purposes of these standards:

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

35 (b) "Billable procedure" means a CT procedure or set of procedures commonly billed as a single unit,  
36 and performed in Michigan.

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

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

41 (e) "Certificate of Need Commission" or "Commission" means the Commission created pursuant to  
42 Section 22211 of the Code, being Section 333.22211 of the Michigan Compiled Laws.

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

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

47 (h) "CT equivalents" means the resulting number of units produced when the number of billable  
48 procedures for each category is multiplied by its respective conversion factor tabled in Section 21.

49 (i) "CT scanner" means x-ray CT scanning systems capable of performing CT scans of the head,  
50 other body parts, or full body patient procedures including Positron Emission Tomography (PET)/CT  
51 scanner hybrids if used for CT only procedures. The term does not include emission-computed  
52 tomographic systems utilizing internally administered single-photon gamma ray emitters, positron  
53 annihilation CT systems, magnetic resonance, ultrasound computed tomographic systems, CT simulators

54 used solely for treatment planning purposes in conjunction with an MRT unit, and non-diagnostic, intra-  
55 operative guidance tomographic units.

56 (j) "CT scanner services" means the con-approved utilization of a CT scanner(s) at one site in the  
57 case of a fixed CT scanner service or at each host site in the case of a mobile CT scanner service.

58 (k) "Dedicated pediatric CT" means a fixed CT scanner on which at least 70% of the CT procedures  
59 are performed on patients under 18 years of age.

60 (l) "Dental CT examinations" means use of a CT scanner specially designed to generate CT images  
61 to facilitate dental procedures.

62 (m) "Dental procedures" means dental implants, wisdom teeth surgical procedures, mandibular or  
63 maxillary surgical procedures, or temporal mandibular joint evaluations.

64 (n) "Department" means the Michigan Department of Community Health (MDCH).

65 (o) "Emergency room" means a designated area physically part of a licensed hospital and  
66 recognized by the Department as having met the staffing and equipment requirements for the treatment  
67 of emergency patients.

68 (p) "EXCESS CT EQUIVALENTS" MEANS THE NUMBER OF CT EQUIVALENTS PERFORMED  
69 BY AN EXISTING CT SCANNER SERVICE IN EXCESS OF 10,000 PER FIXED CT SCANNER AND  
70 4,500 PER MOBILE CT SCANNER OR EITHER AN EXISTING FIXED OR MOBILE CT SCANNER  
71 SERVICE, THE NUMBER OF CT SCANNERS USED TO COMPUTE EXCESS CT EQUIVALENTS  
72 SHALL INCLUDE BOTH EXISTING AND APPROVED BUT NOT YET OPERATIONAL CT SCANNERS.  
73 IN THE CASE OF A CT SCANNER SERVICE THAT OPERATES OR HAS A VALID CON TO OPERATE  
74 THAT HAS MORE THAN ONE FIXED CT SCANNER AT THE SAME SITE, THE TERM MEANS  
75 NUMBER OF CT EQUIVALENTS IN EXCESS OF 10,000 MULTIPLIED BY THE NUMBER OF FIXED CT  
76 SCANNERS AT THE SAME SITE. FOR EXAMPLE, IF A CT SCANNER SERVICE OPERATES, OR HAS  
77 A VALID CON TO OPERATE, TWO FIXED CT SCANNERS AT THE SAME SITE, THE EXCESS CT  
78 EQUIVALENTS IS THE NUMBER THAT IS IN EXCESS OF 20,000 (10,000 X 2) CT EQUIVALENTS. IN  
79 THE CASE OF AN EXISTING MOBILE CT SCANNER SERVICE, THE TERM MEANS THE SUM OF  
80 ALL CT EQUIVALENTS PERFORMED BY THE SAME MOBILE CT SCANNER SERVICE AT ALL OF  
81 THE HOST SITES COMBINED THAT IS IN EXCESS OF 4,500. FOR EXAMPLE, IF A MOBILE CT  
82 SCANNER SERVICE SERVES FIVE HOST SITES WITH 1 MOBILE CT SCANNER, THE TERM MEANS  
83 THE SUM OF CT EQUIVALENTS FOR ALL FIVE HOST SITES COMBINED THAT IS IN EXCESS OF  
84 4,500 CT EQUIVALENTS.

85 (Q) "Existing CT scanner service" means the utilization of a CON-approved and operational CT  
86 scanner(s) at one site in the case of a fixed CT scanner service or at each host site in the case of a  
87 mobile CT scanner service.

88 (qR) "Existing CT scanner" means a CON-approved and operational CT scanner used to provide CT  
89 scanner services.

90 (rS) "Existing mobile CT scanner service" means a CON-approved and operational CT scanner and  
91 transporting equipment operated by a central service coordinator serving two or more host sites.

92 (sI) "Expand an existing CT scanner service" means the addition of one or more CT scanners at an  
93 existing CT scanner service.

94 (tU) "Head scans" include head or brain CT scans; including the maxillofacial area; the orbit, sella, or  
95 posterior fossa; or the outer, middle, or inner ear; or any other CT scan occurring above the neck.

96 (V) "HEALTH SERVICE AREA" OR "HSA" MEANS THE GROUPS OF COUNTIES LISTED IN  
97 SECTION 24.

98 (uW) "HIPAA" means the Health Insurance Portability and Accountability Act of 1996.

99 (vX) "Hospital-based portable CT scanner OR PORTABLE CT SCANNER" means a CT scanner  
100 capable of being transported into patient care areas (i.e., ICU rooms, operating rooms, etc.) to provide  
101 high-quality imaging of critically ill patients.

102 (wY) "Host site" means the site at which a mobile CT scanner is authorized to provide CT scanner  
103 services.

104 (xZ) "Initiate a CT scanner service" means to begin operation of a CT scanner, whether fixed or  
105 mobile, at a site that does not perform CT scans as of the date an application is submitted to the

106 Department. The term does not include the acquisition or relocation of an existing CT scanner service or  
107 the renewal of a lease.

108 (yZAA) "Medicaid" means title XIX of the social security act, chapter 531, 49 Stat. 620, 1396r-6  
109 and 1396r-8 to 1396v.

110 (zBB) "Metropolitan statistical area county" means a county located in a metropolitan statistical area as  
111 that term is defined under the "standards for defining metropolitan and micropolitan statistical areas" by  
112 the statistical policy office of the office of information and regulatory affairs of the United States office of  
113 management and budget, 65 F.R. p. 82238 (December 27, 2000) and as shown in Appendix A.

114 (aaCC) "Micropolitan statistical area county" means a county located in a micropolitan statistical area as  
115 that term is defined under the "standards for defining metropolitan and micropolitan statistical areas" by  
116 the statistical policy office of the office of information and regulatory affairs of the United States office of  
117 management and budget, 65 F.R. p. 82238 (December 27, 2000) and as shown in Appendix A.

118 (bbDD) "Mobile CT scanner service" means a CT scanner and transporting equipment operated by a  
119 central service coordinator and which must serve two or more host facilities.

120 (eeEE) "Mobile CT scanner network" means the route (all host facilities) the mobile CT scanner is  
121 authorized to serve.

122 (ddFF) "Pediatric patient" means any patient less than 18 years of age.

123 (eeGG) "Relocate a fixed CT scanner" means a change in the location of a fixed CT scanner from the  
124 existing site to a different site within the relocation zone.

125 (#HH) "Relocate an existing CT scanner service" means a change in the geographic location of an  
126 existing fixed CT scanner service from an existing site to a different site.

127 (ggII) "Relocation zone," means a site that is within a 10-mile radius of a site at which an existing fixed  
128 CT scanner service is located if an existing fixed CT scanner service is located in a metropolitan  
129 statistical area county, or a 20-mile radius if an existing fixed CT scanner service is located in a rural or  
130 micropolitan statistical area county.

131 (hhJJ) "Replace an existing CT scanner" means an equipment change of an existing CT scanner, that  
132 requires a change in the radiation safety certificate, proposed by an applicant which results in that  
133 applicant operating the same number of CT scanners before and after project completion, at the same  
134 geographic location.

135 (iiKK) "Rural county" means a county not located in a metropolitan statistical area or micropolitan  
136 statistical areas as those terms are defined under the "standards for defining metropolitan and  
137 micropolitan statistical areas" by the statistical policy office of the office of information regulatory affairs of  
138 the United States office of management and budget, 65 F.R. p. 82238 (December 27, 2000) and as  
139 shown in Appendix A.

140 (jjLL) "Sedated patient" means a patient that meets all of the following:

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

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

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

153  
154 (2) The definitions in Part 222 shall apply to these standards.  
155

156 **Section 3. Requirements for approval for applicants proposing to initiate a CT scanner service**  
157 **other than a dental CT scanner service or hospital-based portable CT scanner service**  
158

159 Sec. 3. An applicant proposing to initiate a CT scanner service shall demonstrate each of the  
160 following, as applicable:

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

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

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

166  
167 (2) An applicant, other than an applicant meeting all of the applicable requirements of subsection (1),  
168 proposing to initiate a fixed CT scanner service shall project an operating level of at least 7,500 CT  
169 equivalents per year for the second 12-month period after beginning operation of the CT scanner.

170  
171 (3) An applicant proposing to initiate a mobile CT scanner service shall project an operating level of  
172 at least 3,500 CT equivalents per year for the second 12-month period after beginning operation of the  
173 CT scanner.

174  
175 **Section 4. Requirements for approval for applicants proposing to initiate a dental CT scanner**  
176 **service**

177  
178 Sec. 4. An applicant proposing to initiate a dental CT scanner service shall demonstrate each of the  
179 following, as applicable:

180  
181 (1) An applicant is proposing a fixed CT scanner service for the sole purpose of performing dental  
182 CT examinations.

183  
184 (2) The CT scanner generates a peak power of 5 kilowatts or less as certified by the manufacturer.

185  
186 (3) An applicant proposing to initiate a dental CT scanner service, **OTHER THAN AN APPLICANT**  
187 **THAT IS PROPOSING A DENTAL CT SCANNER SERVICE IN HSA 8**, shall project an operating level of  
188 at least 200 dental CT examinations per year for the second 12-month period after beginning operation of  
189 the dental CT scanner.

190  
191 (4) The applicant has demonstrated to the satisfaction of the Department that the person(s) (e.g.,  
192 technician, dentist) operating the dental CT scanner has been appropriately trained and/or certified by  
193 one of the following groups, as recognized by the Department: a dental radiology program in a certified  
194 dental school, an appropriate professional society, or a dental continuing education program accredited  
195 by the American Dental Association.

196  
197 (5) The applicant has demonstrated to the satisfaction of the Department that the dental CT  
198 examinations generated by the proposed dental CT scanner will be interpreted by a licensed dentist(s)  
199 trained and/or certified by one of the following groups, as recognized by the Department: a dental  
200 radiology program in a certified dental school, an appropriate professional society, or a dental continuing  
201 education program accredited by the American Dental Association.

202  
203 **Section 5. Requirements for approval for applicants proposing to expand an existing CT scanner**  
204 **service other than a dental CT scanner service or hospital-based portable CT scanner service**

205  
206 Sec. 5. (1) An applicant proposing to expand an existing fixed CT scanner service shall demonstrate  
207 that all of the applicant's fixed CT scanners, excluding CT scanners approved pursuant to sections 13  
208 and 17, have performed an average of at least 10,000 CT equivalents per fixed CT scanner for the most  
209 recent continuous 12-month period preceding the applicant's request. In computing this average, the  
210 Department will divide the total number of CT equivalents performed by the applicant's total number of  
211 fixed CT scanners, including both operational and approved but not operational fixed CT scanners.

212  
213 (2) An applicant proposing to expand an existing fixed CT scanner service approved pursuant to  
214 Section 17 shall demonstrate that all of the applicant's dedicated pediatric CT scanners have performed  
215 an average of at least 3,000 CT equivalents per dedicated pediatric CT scanner for the most recent  
216 continuous 12-month period preceding the applicant's request. In computing this average, the  
217 Department will divide the total number of CT equivalents performed by the applicant's total number of  
218 dedicated pediatric CT scanners, including both operational and approved but not operational dedicated  
219 pediatric CT scanners.

220  
221 (3) If an applicant proposes to expand an existing mobile CT scanner service, the applicant shall  
222 demonstrate that all of the applicant's mobile CT scanners have performed an average of at least 5,500  
223 CT equivalents per mobile CT scanner for the most recent continuous 12-month period preceding the  
224 applicant's request. In computing this average, the Department will divide the total number of CT  
225 equivalents performed by the applicant's total number of mobile CT scanners, including both operational  
226 and approved but not operational mobile CT scanners.

227  
228 **Section 6. Requirements for approval for applicants proposing to expand an existing dental CT**  
229 **scanner service**

230  
231 Sec. 6. An applicant proposing to expand an existing fixed dental CT scanner service shall  
232 demonstrate that all of the applicant's dental CT scanners have performed an average of at least 300  
233 dental CT examinations per fixed dental CT scanner for the most recent continuous 12-month period  
234 preceding the applicant's request. In computing this average, the Department will divide the total number  
235 of dental CT examinations performed by the applicant's total number of fixed dental CT scanners,  
236 including both operational and approved but not operational fixed dental CT scanners.

237  
238 **Section 7. Requirements for approval for applicants proposing to replace an existing CT scanner**  
239 **other than a dental CT scanner or hospital-based portable CT scanner**

240  
241 Sec. 7. An applicant proposing to replace an existing CT scanner shall demonstrate each of the  
242 following, as applicable:

243  
244 (1) An applicant, other than an applicant meeting all of the applicable requirements of subsection (a),  
245 (b) or (c) below, proposing to replace an existing fixed CT scanner shall demonstrate that the fixed CT  
246 scanner(s) performed at least an average of 7,500 CT equivalents per fixed CT scanner in the most  
247 recent 12-month period for which the Department has verifiable data.

248 (a) A hospital proposing to replace an existing CT scanner which is the only fixed CT scanner  
249 operated at that site by the hospital shall demonstrate each of the following:

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

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

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

254 (b) An applicant proposing to replace an existing fixed CT scanner shall be exempt once from the  
255 volume requirements if the existing CT scanner demonstrates that it meets all of the following:

256 (i) The existing CT scanner has performed at least 5,000 CT equivalents in the most recent 12-  
257 month period for which the Department has verifiable data.

258 (ii) The existing CT scanner is fully depreciated according to generally accepted accounting  
259 principles.

260 (iii) The existing CT scanner has at one time met its minimum volume requirements.

261 (c) An applicant proposing to replace an existing fixed CT scanner on an academic medical center  
262 campus, at the same site, shall be exempt once, as of ~~the effective date of the standards~~ MAY 5, 2008,  
263 from the minimum volume requirements for replacement if the existing CT scanner is fully depreciated  
264 according to generally accepted accounting principles.

265 (D) AN APPLICANT PROPOSING TO REPLACE AN EXISTING FIXED CT SCANNER HAVING A  
266 CONFIGURATION OF LESS THAN 16 MULTIDETECTOR ROWS SHALL BE EXEMPT ONCE, AS OF  
267 THE EFFECTIVE DATE OF THE STANDARDS, FROM THE MINIMUM VOLUME REQUIREMENTS  
268 FOR REPLACEMENT IF IT MEETS BOTH OF THE FOLLOWING:

269 (I) THE PROPOSED CT SCANNER TO BE OBTAINED WILL HAVE A CONFIGURATION OF  
270 SIXTEEN (16) OR MORE MULTIDETECTOR ROWS, AND

271 (ii) THE EXISTING CT SCANNER IS FULLY DEPRECIATED ACCORDING TO GENERALLY  
272 ACCEPTED ACCOUNTING PRINCIPLES.  
273

274 (2) An applicant proposing to replace an existing mobile CT scanner(s) shall demonstrate that the  
275 mobile CT scanner(s) performed at least 3,500 CT equivalents if the applicant operates only one mobile  
276 CT scanner or an average of 5,500 CT equivalents for each CT scanner if the applicant operates more  
277 than one mobile CT scanner for the same mobile CT scanner network, in the most recent 12-month  
278 period for which the department has verifiable data.  
279

280 (3) An applicant proposing to replace an existing dedicated pediatric CT scanner(s) shall  
281 demonstrate that the dedicated pediatric CT scanner(s) performed at least an average of 2,500 CT  
282 equivalents per dedicated pediatric CT scanner in the most recent 12-month period for which the  
283 Department has verifiable data.  
284

285 (4) An applicant under this section shall demonstrate that the existing CT scanner(s) proposed to be  
286 replaced is fully depreciated according to generally accepted accounting principles, or, that the existing  
287 equipment clearly poses a threat to the safety of the public, or, that the proposed replacement CT  
288 scanner offers technological improvements which enhance quality of care, increase efficiency, and/or  
289 reduce operating costs and patient charges.  
290

## 291 **Section 8. Requirements for approval for applicants proposing to replace an existing dental CT** 292 **scanner** 293

294 Sec. 8. An applicant proposing to replace an existing dental CT scanner shall demonstrate each of the  
295 following:

296 (1) An applicant proposing to replace an existing fixed dental CT scanner shall demonstrate that the  
297 fixed dental CT scanner(s) performed at least an average of 200 dental CT examinations per fixed dental  
298 CT scanner in the most recent 12-month period for which the Department has verifiable data.  
299

300 (2) An applicant under this section shall demonstrate that the existing dental CT scanner(s)  
301 proposed to be replaced is fully depreciated according to generally accepted accounting principles, or,  
302 that the existing equipment clearly poses a threat to the safety of the public, or that the proposed  
303 replacement dental CT scanner offers technological improvements which enhance quality of care,  
304 increase efficiency, and/or reduce operating costs and patient charges.  
305

## 306 **Section 9. Requirements for approval for applicants proposing to relocate an existing CT scanner** 307 **service and/or CT scanner(s) other than an existing dental CT scanner service and/or dental CT** 308 **scanner(s) or hospital-based portable CT scanner(s)** 309

310 Sec. 9. (1) An applicant proposing to relocate an existing fixed CT scanner service shall demonstrate  
311 that the proposed project meets all of the following:

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

314 (b) The proposed new site is in the relocation zone.

315 (c) The requirements of sections 5 or 7, as applicable, have been met.

316 (d) The CT scanner service to be relocated performed at least an average of 7,500 CT equivalents  
317 per fixed scanner in the most recent 12-month period for which the Department has verifiable data.

318 (e) The applicant agrees to operate the CT scanner service in accordance with all applicable project  
319 delivery requirements set forth in Section 19 of these standards.

320  
321 (2) An applicant proposing to relocate a fixed CT scanner(s) of an existing CT scanner service shall  
322 demonstrate that the proposed project meets all of the following:

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

325 (b) The proposed new site is in the relocation zone.

326 (c) The requirements of sections 5 or 7, as applicable, have been met.

327 (d) Each existing CT scanner at the service from which a scanner is to be relocated performed at  
328 least an average of 7,500 CT equivalents per fixed scanner in the most recent 12-month period for which  
329 the Department has verifiable data.

330 (e) The applicant agrees to operate the CT scanner(s) at the proposed site in accordance with all  
331 applicable project delivery requirements set forth in Section 19 of these standards.

332  
333 **Section 10. Requirements for approval for applicants proposing to relocate an existing dental CT**  
334 **scanner service and/or dental CT scanner(s)**

335  
336 Sec. 10. (1) An applicant proposing to relocate an existing fixed dental CT scanner service shall  
337 demonstrate that the proposed project meets all of the following:

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

340 (b) The proposed new site is in the relocation zone.

341 (c) The requirements of sections 6 or 8, as applicable, have been met.

342 (d) The dental CT scanner service to be relocated performed at least an average of 200 dental CT  
343 examinations per fixed dental CT scanner in the most recent 12-month period for which the Department  
344 has verifiable data.

345 (e) The applicant agrees to operate the dental CT scanner service in accordance with all applicable  
346 project delivery requirements set forth in Section 19 of these standards.

347  
348 (2) An applicant proposing to relocate a fixed dental CT scanner(s) of an existing dental CT scanner  
349 service shall demonstrate that the proposed project meets all of the following:

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

352 (b) The proposed new site is in the relocation zone.

353 (c) The requirements of sections 6 or 8, as applicable have been met.

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

357 (e) The applicant agrees to operate the dental CT scanner(s) at the proposed site in accordance with  
358 all applicable project delivery requirements set forth in Section 19 of these standards.

359  
360 **Section 11. Requirements for approval for applicants proposing to acquire an existing CT**  
361 **scanner service or an existing CT scanner(s) other than an existing dental CT scanner service**  
362 **and/or an existing dental CT scanner(s) or hospital-based portable CT scanner(s)**

363  
364 Sec. 11. (1) An applicant proposing to acquire an existing fixed or mobile CT scanner service shall  
365 demonstrate that a proposed project meets all of the following:

366 (a) The requirements of sections 5, 7, or 9, as applicable, have been met.

367 (b) For an application for the proposed first acquisition of an existing fixed or mobile CT scanner  
368 service, for which a final decision has not been issued after June 4, 2004, an existing CT scanner service  
369 to be acquired shall not be required to be in compliance with the volume requirement applicable to the  
370 seller/lessor on the date the acquisition occurs. The CT scanner service shall be operating at the

371 applicable volume requirements set forth in Section 19 of these standards in the second 12 months after  
372 the date the service is acquired, and annually thereafter.

373 (c) For any application for proposed acquisition of an existing fixed or mobile CT scanner service, an  
374 applicant shall be required to demonstrate that the CT scanner service to be acquired performed at least  
375 7,500 CT equivalents in the most recent 12-month period for which the Department has verifiable data.  
376

377 (2) An applicant proposing to acquire an existing fixed or mobile CT scanner(s) of an existing fixed or  
378 mobile CT scanner service shall demonstrate that the proposed project meets all of the following:

379 (a) The requirements of sections 5, 7 or 9, as applicable, have been met.

380 (b) For any application for proposed acquisition of an existing fixed or mobile CT scanner(s) of an  
381 existing fixed or mobile CT scanner service, an applicant shall be required to demonstrate that the fixed  
382 or mobile CT scanner(s) to be acquired performed at least 7,500 CT equivalents in the most recent 12-  
383 month period for which the Department has verifiable data.  
384

### 385 **Section 12. Requirements for approval for applicants proposing to acquire an existing dental CT** 386 **scanner service or an existing dental CT scanner(s)** 387

388 Sec. 12. (1) An applicant proposing to acquire an existing fixed dental CT scanner service shall  
389 demonstrate that a proposed project meets all of the following:

390 (a) The requirements of sections 6, 8, or 10, as applicable, have been met.

391 (b) For an application for the proposed first acquisition of an existing fixed dental CT scanner  
392 service, for which a final decision has not been issued after the effective date of these standards, an  
393 existing dental CT scanner service to be acquired shall not be required to be in compliance with the  
394 volume requirement applicable to the seller/lessor on the date the acquisition occurs. The dental CT  
395 scanner service shall be operating at the applicable volume requirements set forth in Section 19 of these  
396 standards in the second 12 months after the date the service is acquired, and annually thereafter.

397 (c) For any application for proposed acquisition of an existing fixed dental CT scanner service, an  
398 applicant shall be required to demonstrate that the CT scanner service to be acquired performed at least  
399 200 dental CT examinations in the most recent 12-month period, for which the Department has verifiable  
400 data.

401 (2) An applicant proposing to acquire an existing fixed dental CT scanner(s) of an existing fixed  
402 dental CT scanner service shall demonstrate that the proposed project meets all of the following:

403 (a) The requirements of sections 6, 8, or 10, as applicable, have been met.

404 (b) For any application for proposed acquisition of an existing fixed dental CT scanner(s) of an  
405 existing fixed dental CT scanner service, an applicant shall be required to demonstrate that the fixed  
406 dental CT scanner(s) to be acquired performed at least 200 dental CT examinations in the most recent  
407 12-month period for which the Department has verifiable data.  
408

### 409 **Section 13. Pilot program requirements for approval of a hospital-based portable CT scanner for** 410 **initiation, expansion, replacement, and acquisition** 411

412 Sec. 13. As a pilot program, an applicant proposing to initiate, expand, replace, or acquire a hospital-  
413 based portable CT scanner shall demonstrate that it meets all of the following:

414 (1) An applicant is limited to the initiation, expansion, replacement, or acquisition of no more than two  
415 hospital-based portable CT scanners.  
416

417 (2) The proposed site is a hospital licensed under Part 215 of the Code.  
418

419 (3) The hospital has been certified as a level I or level II trauma facility by the American College of  
420 Surgeons, OR HAS PERFORMED >100 CRANIOTOMIES IN THE MOST RECENT 12- MONTH  
421 PERIOD VERIFIABLE BY THE DEPARTMENT.  
422

423



424 (4) The applicant agrees to operate the hospital-based portable CT scanner in accordance with all  
425 applicable project delivery requirements set forth in Section 19 of these standards.

426  
427 (5) The approved hospital-based portable CT scanner will not be subject to CT volume requirements.  
428

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

431  
432 (7) **THE COMMISSION MAY DECIDE TO HAVE THE REQUIREMENTS OF THE PILOT**  
433 **PROGRAM DESCRIBED IN THIS SECTION BECOME A PERMANENT PART OF THE CT SCANNER**  
434 **SERVICES STANDARDS. IF THE COMMISSION DOES NOT TAKE ACTION TO MAKE THE PILOT**  
435 **PROGRAM A PERMANENT PART OF THE STANDARDS, The-~~THE~~ provisions of Section 13, are aS**  
436 **part of a pilot program, approved by the CON Commission and shall ~~WILL~~ expire ON DECEMBER 31,**  
437 **2016 and be of no further force and effect AFTER DECEMBER 31, 2016. ANY APPLICANT SEEKING**  
438 **TO BE PART OF THE PILOT PROGRAM DESCRIBED IN THIS SECTION MUST SUBMIT ITS**  
439 **APPLICATION ON OR BEFORE DECEMBER 1, 2013, and THESE PROVISIONS shall not be**  
440 **applicable to any application which has not been submitted by ~~October~~ DECEMBER 1, 20082013.**

441  
442 **Section 14. Requirements for approval of a PET/CT hybrid for initiation, expansion, replacement,**  
443 **and acquisition**

444  
445 Sec. 14. An applicant proposing to initiate, expand, replace, or acquire a PET/CT hybrid shall  
446 demonstrate that it meets all of the following:

447  
448 (1) There is an approved PET CON for the PET/CT hybrid, and the PET/CT hybrid is in compliance  
449 with all applicable project delivery requirements as set forth in the CON review standards for PET.

450  
451 (2) The applicant agrees to operate the PET/CT hybrid in accordance with all applicable project  
452 delivery requirements set forth in Section 19 of these standards.

453  
454 (3) The approved PET/CT hybrid will not be subject to CT volume requirements.  
455

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

459  
460 **Section 15. Additional requirements for approval of a mobile CT scanner service**

461  
462 Sec. 15. (1) An applicant proposing to initiate a mobile CT scanner service in Michigan shall  
463 demonstrate that it meets all of the following:

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

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

469 (c) The requirements of sections 3, 5, or 7, as applicable, have been met.  
470

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

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

475 (b) A separate CON application has been filed for each host facility.  
476

477 (3) An applicant proposing to replace a central service coordinator on an existing mobile CT scanner  
478 network shall demonstrate that approval of the application will not replace the CT scanner and  
479 transporting equipment unless the applicable requirements of Section 7 have been met.  
480

481 **Section 16. Requirements for approval of an applicant proposing a CT scanner used for the sole**  
482 **purpose of performing dental CT examinations exclusively for research**  
483

484 Sec. 16. (1) An applicant proposing a CT scanner used for the sole purpose of performing dental CT  
485 examinations exclusively for research shall demonstrate each of the following:

486 (a) The applicant operates a dental radiology program in a certified dental school.  
487 (b) The research dental CT scanner shall operate under a protocol approved by the applicant's  
488 institutional review board.

489 (c) The applicant agrees to operate the research dental CT scanner in accordance with the terms of  
490 approval in Section 19(4).  
491

492 (2) An applicant meeting the requirements of subsection (1) shall also demonstrate compliance with  
493 the requirements of sections 4(2), 4(4) and 4(5).  
494

495 **Section 17. Requirements for approval of an applicant proposing to establish dedicated pediatric**  
496 **CT**  
497

498 Sec. 17. (1) An applicant proposing to establish dedicated pediatric CT shall demonstrate all of the  
499 following:

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

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

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

- 507 (i) pediatric radiology (at least two)
- 508 (ii) pediatric anesthesiology
- 509 (iii) pediatric cardiology
- 510 (iv) pediatric critical care
- 511 (v) pediatric gastroenterology
- 512 (vi) pediatric hematology/oncology
- 513 (vii) pediatric neurology
- 514 (viii) pediatric neurosurgery
- 515 (ix) pediatric orthopedic surgery
- 516 (x) pediatric pathology
- 517 (xi) pediatric pulmonology
- 518 (xii) pediatric surgery
- 519 (xiii) neonatology

520 (d) The applicant shall have in operation the following pediatric specialty programs at the time the  
521 application is submitted to the Department:

- 522 (i) pediatric bone marrow transplant program
  - 523 (ii) established pediatric sedation program
  - 524 (iii) pediatric open heart program
- 525

526 (2) An applicant meeting the requirements of subsection (1) shall be exempt from meeting the  
527 requirements of Section 3 of these standards.  
528

529 **Section 18. Requirements for approval -- all applicants**

530  
531 Sec. 18. An applicant shall provide verification of Medicaid participation. An applicant that is a new  
532 provider not currently enrolled in Medicaid shall certify that proof of Medicaid participation will be provided  
533 | to the Department within six (6) months from the offering of services, if a CON is approved.  
534

535 **Section 19. Project delivery requirements -- terms of approval for all applicants**  
536

537 Sec. 19. (1) An applicant shall agree that, if approved, the services provided by the CT scanner(s)  
538 shall be delivered in compliance with the following terms of CON approval:

539 (a) Compliance with these standards

540 (b) Compliance with applicable safety and operating standards

541 (c) Compliance with the following quality assurance standards:

542 (i) The approved CT scanners shall be operating at the applicable required volumes within the time  
543 periods specified in these standards, and annually thereafter.

544 (ii) The applicant shall establish a mechanism to assure that the CT scanner facility is staffed so  
545 that:

546 (A) The screening of requests for CT procedures and interpretation of CT procedures will be  
547 performed by physicians with training and experience in the appropriate diagnostic use and interpretation  
548 of cross-sectional images of the anatomical region(s) to be examined, and

549 (B) The CT scanner is operated by physicians and/or is operated by radiological technologists  
550 qualified by training and experience to operate the CT scanner safely and effectively.

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

563 (iii) The applicant shall employ or contract with a radiation physicist to review the quality and safety of  
564 the operation of the CT scanner.

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

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

573 (vi) The applicant shall have, within the CT scanner facility, equipment and supplies to handle clinical  
574 emergencies that might occur within the CT unit, with CT facility staff trained in CPR and other  
575 appropriate emergency interventions, and a physician on site in or immediately available to the CT  
576 scanner at all times when patients are undergoing scans.

577 (vii) Fixed CT scanner services at each facility shall be made available 24 hours a day for emergency  
578 patients.

579 (viii) The applicant shall accept referrals for CT scanner services from all appropriately licensed  
580 practitioners.

581 (ix) The applicant shall establish and maintain: (a) a standing medical staff and governing body (or its  
582 equivalent) requirement that provides for the medical and administrative control of the ordering and

583 utilization of CT patient procedures, and (b) a formal program of utilization review and quality assurance.  
584 These responsibilities may be assigned to an existing body of the applicant, as appropriate.

585 (x) An applicant approved under Section 17 must be able to prove that all radiologists, technologists  
586 and nursing staff working with CT patients have continuing education or in-service training on pediatric  
587 low-dose CT. The site must also be able to provide evidence of defined low-dose pediatric CT protocols.

588 (xi) The applicant, to assure that the CT scanner will be utilized by all segments of the Michigan  
589 population, shall:

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

591 (B) provide CT scanning services to any individual based on the clinical indications of need for the  
592 service; and

593 (C) maintain information by payor and non-paying sources to indicate the volume of care from each  
594 source provided annually.

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

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

604 (xiii) Equipment to be replaced shall be removed from service.

605 (xiv) The applicant shall provide the Department with a notice stating the date the approved CT  
606 scanner service is placed in operation and such notice shall be submitted to the Department consistent  
607 with applicable statute and promulgated rules.

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

610 (d) An applicant approved under Section 4 shall not be required to be in compliance with subsection  
611 (c) but shall be in compliance with the following quality assurance standards:

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

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

615 (iii) The applicant shall demonstrate to the satisfaction of the Department that the person(s) (e.g.,  
616 technician, dentist) operating the dental CT scanner has been appropriately trained and/or certified by  
617 one of the following groups, as recognized by the Department: a dental radiology program in a certified  
618 dental school, an appropriate professional society, or a dental continuing education program accredited  
619 by the American Dental Association.

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

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

630 (vi) The applicant, to assure that the dental CT scanner will be utilized by all segments of the  
631 Michigan population, shall:

632 (A) not deny dental CT scanner services to any individual based on ability to pay or source of  
633 payment;

634 (B) provide dental CT scanning services to any individual based on the clinical indications of need for  
635 the service; and

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

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

647 (viii) Equipment to be replaced shall be removed from service.

648 (ix) The applicant shall provide the Department with a notice stating the date the approved dental CT  
649 scanner service is placed in operation and such notice shall be submitted to the Department consistent  
650 with applicable statute and promulgated rules.

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

653  
654 (2) The agreements and assurances required by this section shall be in the form of a certification  
655 agreed to by the applicant or its authorized agent.

656  
657 (3) The operation of and referral of patients to the CT scanner shall be in conformance with 1978 PA  
658 368, Sec. 16221, as amended by 1986 PA 319; MCL 333.16221; MSA 14.15 (16221).

659  
660 (4) An applicant for a CT scanner used for dental research under Section 16(1) shall agree that the  
661 services provided by the CT scanner approved pursuant to Section 16(1) shall be delivered in compliance  
662 with the following terms of CON approval:

663 (a) The capital and operating costs relating to the CT scanner used for dental research pursuant to  
664 Section 16(1) shall be charged only to a specific research account(s) and not to any patient or third-party  
665 payor.

666 (b) The CT scanner used for dental research approved pursuant to Section 16(1) shall not be used  
667 for any purposes other than as approved by the institutional review board unless the applicant has  
668 obtained CON approval for the CT scanner pursuant to part 222 and these standards, other than Section  
669 16.

670  
671 (5) An applicant approved under Section 13 shall be in compliance with the following:

672 (A) PORTABLE CT SCANNER CAN ONLY BE USED IN ADULT OR PEDIATRIC INTENSIVE CARE  
673 UNITS (ICU) BY QUALIFYING PILOT PROGRAM INSTITUTIONS AND MUST BE LIMITED TO BRAIN  
674 SCANNING OF THOSE PATIENTS WHO ARE BEING TREATED IN AN ICU. —

675 (aB) The APPROVED applicant agrees to MUST provide quarterly-ANNUAL reports to the Department  
676 within one month following the end of each calendar quarter, starting with the quarter the applicant  
677 initiates use of the hospital-based portable CT scanner BY JANUARY 31<sup>ST</sup> OF EACH YEAR FOR THE  
678 PRECEDING CALENDAR YEAR:- THIS REQUIREMENT APPLIES TO ALL APPLICANTS APPROVED  
679 UNDER SECTION 13 AND BEGINS WITH 2010 DATA WHICH IS TO BE REPORTED IN 2011.

680 (C) THE FOLLOWING DATA MUST BE REPORTED TO THE DEPARTMENT:

681 (b) The Department will develop a questionnaire to be used by the applicant for the quarterly report.  
682 This questionnaire, at a minimum, will include information regarding the utilization, cost, and benefit for  
683 patient care as compared to the use of full-body CT scanners. NUMBER OF ADULT STUDIES  
684 (AGE >= 18)

685 (II) NUMBER OF PEDIATRIC STUDIES (AGE < 18)

686 (III) NUMBER OF STUDIES PERFORMED USING A PORTABLE CT ON THE SAME PATIENT  
687 WHILE THAT PATIENT IS IN AN ICU

688 (IV) NUMBER OF PATIENTS SCANNED ON A PORTABLE CT THAT UNDERWENT SUBSEQUENT  
689 SCANNING ON A FIXED CT WITHIN 12 HOURS OF THE PORTABLE CT SCAN

690 ~~— (c) The Department will summarize the information from the quarterly reports and provide an~~  
691 ~~assessment to the Commission prior to the March 2010 Commission meeting. The Commission may~~  
692 ~~request updates on the status of the pilot program at its discretion.~~  
693

694 **Section 20. Project delivery requirements -- additional terms of approval for applicants involving**  
695 **mobile CT scanners**  
696

697 Sec. 20. (1) In addition to the provisions of Section 19, an applicant for a mobile CT scanner shall  
698 agree that the services provided by the mobile CT scanner(s) shall be delivered in compliance with the  
699 following terms of CON approval:

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

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

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

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

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

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

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

720 (h) Each host facility must provide a properly prepared parking pad for the mobile CT scanner of  
721 sufficient load-bearing capacity to support the vehicle, a waiting area for patients, and a means for  
722 patients to enter the vehicle without going outside (such as a canopy or enclosed corridor). Each host  
723 facility must also provide the capability for processing the film and maintaining the confidentiality of  
724 patient records. A communication system must be provided between the mobile vehicle and each host  
725 facility to provide for immediate notification of emergency medical situations.

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

728 (j) The volume of utilization at each host facility shall be reported to the Department by the central  
729 service coordinator under the terms of Section 19(1)(c)(xi).

730  
731 (2) The agreements and assurances required by this section shall be in the form of a certification  
732 agreed to by the applicant or its authorized agent.  
733

734 **Section 21. Determination of CT Equivalents**  
735

736 Sec. 21. CT equivalents shall be calculated as follows:

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

739 (b) The number of billable procedures for each category in the time period specified in the applicable  
740 section(s) of these standards shall be multiplied by the corresponding conversion factor in Table 1 to  
741 determine the number of CT equivalents for that category for that time period.  
742 (c) The number of CT equivalents for each category shall be summed to determine the total CT  
743 equivalents for the time period specified in the applicable section(s) of these standards.

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

746

747 Table 1

| 748 Category   | Number of<br>749 Billable CT<br>Procedures |   | Conversion<br>Factor | = | CT<br>Equivalents |
|--|--|---|----------------------|---|-------------------|
| 751 Head Scans w/o Contrast<br>(includes dental CT examinations) | _____                                      | X | 1.00                 | = | _____             |
| 753 Head Scans with Contrast                                     | _____                                      | X | 1.25                 | = | _____             |
| 754 Head Scans w/o & w Contrast                                  | _____                                      | X | 1.75                 | = | _____             |
| 755 Body Scans w/o Contrast                                      | _____                                      | X | 1.50                 | = | _____             |
| 756 Body Scans with Contrast                                     | _____                                      | X | 1.75                 | = | _____             |
| 757 Body Scans w/o & w Contrast                                  | _____                                      | X | 2.75                 | = | _____             |
| 758  |  |   |                      |   |                   |
| 759 Pediatric/Special Needs Patient                              |  |   |                      |   |                   |
| 760 Head scans w/o Contrast<br>(includes dental CT examinations) | _____                                      | x | 1.25                 | = | _____             |
| 762 Pediatric/Special Needs Patient                              |  |   |                      |   |                   |
| 763 Head Scans with Contrast                                     | _____                                      | x | 1.50                 | = | _____             |
| 764 Pediatric/Special Needs Patient                              |  |   |                      |   |                   |
| 765 Head Scans w/o & with Contrast                               | _____                                      | x | 2.00                 | = | _____             |
| 766 Pediatric/Special Needs Patient                              |  |   |                      |   |                   |
| 767 Body Scans w/o Contrast                                      | _____                                      | x | 1.75                 | = | _____             |
| 768 Pediatric/Special Needs Patient                              |  |   |                      |   |                   |
| 769 Body Scans with Contrast                                     | _____                                      | x | 2.00                 | = | _____             |
| 770 Pediatric/Special Needs Patient                              |  |   |                      |   |                   |
| 771 Body Scans w/o & with Contrast                               | _____                                      | x | 3.00                 | = | _____             |
| 772  |  |   |                      |   |                   |
| 773 TOTAL CT EQUIVALENTS   |  |   |                      |   | _____             |

774

775 **Section 22. Documentation of projections**

776

777 Sec. 22. An applicant required to project volumes under sections 3, 4 and 5 shall demonstrate the  
 778 following, as applicable:

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

784

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

- 788 (a) the number of dental procedures performed by the applicant, and
  - 789 (b) the number of committed dental procedures performed by referring licensed dentists. Further,  
 790 the applicant and the referring licensed dentists shall substantiate the numbers through the submission of  
 791 HIPAA compliant billing records.
- 792

793 (3) An applicant required to project under Section 5 shall demonstrate that the projection is based on  
 794 historical utilization at the applicant's site for the most recent 12-month period immediately preceding the  
 795 date of the application.

796



797 (4) An applicant shall demonstrate that the projected number of referrals to be performed at the  
 798 proposed site under subsections (1) and (2) are from an existing CT scanner service that is in compliance  
 799 with the volume requirements applicable to that service, and will continue to be in compliance with the  
 800 volume requirements applicable to that service subsequent to the initiation of the proposed CT scanner  
 801 service by an applicant. **ONLY EXCESS CT EQUIVALENTS EQUAL TO OR GREATER THAN WHAT IS**  
 802 **BEING COMMITTED PURSUANT TO THIS SUBSECTION MAY BE USED TO DOCUMENT**  
 803 **PROJECTIONS UNDER SUBSECTION (1).** In demonstrating compliance with this subsection, an  
 804 applicant shall provide each of the following:  
 805 (a) A written commitment from each referring physician that he or she will refer at least the volume of  
 806 CT scans to be transferred to the proposed CT scanner service for no less than 3 years subsequent to  
 807 the initiation of the CT scanner service proposed by an applicant.  
 808 (b) The number of referrals committed must have resulted in an actual CT scan of the patient at the  
 809 existing CT scanner service from which referral will be transferred. The committing physician must make  
 810 available HIPAA compliant audit material if needed upon Department request to verify referral sources  
 811 and outcomes. Commitments must be verified by the most recent data set maintained by the Department  
 812 through its "Annual Hospital Statistical Survey" and/or "Annual Freestanding Statistical Survey."  
 813 (c) The projected referrals are from an existing CT scanner service within a 75-mile radius for rural  
 814 and micropolitan statistical area counties or 20-mile radius for metropolitan statistical area counties.  
 815

816 **Section 23. Effect on prior CON review standards; comparative reviews**

817  
 818 Sec. 23. (1) These CON review standards supersede and replace the CON Review Standards for  
 819 **Computed Tomography Scanner Services approved by the CON Commission on March 11 APRIL 30,**  
 820 **2008 and effective May 5 JUNE 20, 2008.**  
 821

822 (2) Projects reviewed under these standards shall not be subject to comparative review.  
 823

824 **SECTION 24. HEALTH SERVICE AREAS**

825  
 826 **SEC. 24. COUNTIES ASSIGNED TO EACH OF THE HEALTH SERVICE AREAS ARE AS**  
 827 **FOLLOWS:**  
 828

| HSA              | COUNTIES   |           |            |
|------------------|------------|-----------|------------|
| 1 - SOUTHEAST    | LIVINGSTON | MONROE    | ST. CLAIR  |
|                  | MACOMB     | OAKLAND   | WASHTENAW  |
|                  | WAYNE      |           |            |
| 2 - MID-SOUTHERN | CLINTON    | HILLSDALE | JACKSON    |
|                  | EATON      | INGHAM    | LENAWEE    |
| 3 - SOUTHWEST    | BARRY      | CALHOUN   | ST. JOSEPH |
|                  | BERRIEN    | CASS      | VAN BUREN  |
|                  | BRANCH     | KALAMAZOO |            |
| 4 - WEST         | ALLEGAN    | MASON     | NEWAYGO    |
|                  | IONIA      | MECOSTA   | OCEANA     |
|                  | KENT       | MONTCALM  | OSCEOLA    |
|                  | LAKE       | MUSKEGON  | OTTAWA     |
| 5 - GLS          | GENESEE    | LAPEER    | SHIAWASSEE |
| 6 - EAST         | ARENAC     | HURON     | ROSCOMMON  |
|                  | BAY        | IOSCO     | SAGINAW    |

|     |                     |            |             |              |
|-----|---------------------|------------|-------------|--------------|
| 850 |                     | CLARE      | ISABELLA    | SANILAC      |
| 851 |                     | GLADWIN    | MIDLAND     | TUSCOLA      |
| 852 |                     | GRATIOT    | OGEMAW      |              |
| 853 |                     |            |             |              |
| 854 | 7 - NORTHERN LOWER  | ALCONA     | CRAWFORD    | MISSAUKEE    |
| 855 |                     | ALPENA     | EMMET       | MONTMORENCY  |
| 856 |                     | ANTRIM     | GD TRAVERSE | OSCODA       |
| 857 |                     | BENZIE     | KALKASKA    | OTSEGO       |
| 858 |                     | CHARLEVOIX | LEELANAU    | PRESQUE ISLE |
| 859 |                     | CHEBOYGAN  | MANISTEE    | WEXFORD      |
| 860 |                     |            |             |              |
| 861 | 8 - UPPER PENINSULA | ALGER      | GOGEBIC     | MACKINAC     |
| 862 |                     | BARAGA     | HOUGHTON    | MARQUETTE    |
| 863 |                     | CHIPPEWA   | IRON        | MENOMINEE    |
| 864 |                     | DELTA      | KEWEENAW    | ONTONAGON    |
| 865 |                     | DICKINSON  | LUCE        | SCHOOLCRAFT  |

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**CON REVIEW STANDARDS  
FOR CT SCANNER SERVICES**

Rural Michigan counties are as follows:

|            |             |              |
|------------|-------------|--------------|
| Alcona     | Hillsdale   | Ogemaw       |
| Alger      | Huron       | Ontonagon    |
| Antrim     | Iosco       | Osceola      |
| Arenac     | Iron        | Oscoda       |
| Baraga     | Lake        | Otsego       |
| Charlevoix | Luce        | Presque Isle |
| Cheboygan  | Mackinac    | Roscommon    |
| Clare      | Manistee    | Sanilac      |
| Crawford   | Mason       | Schoolcraft  |
| Emmet      | Montcalm    | Tuscola      |
| Gladwin    | Montmorency |              |
| Gogebic    | Oceana      |              |

Micropolitan statistical area Michigan counties are as follows:

|                |           |            |
|----------------|-----------|------------|
| Allegan        | Gratiot   | Mecosta    |
| Alpena         | Houghton  | Menominee  |
| Benzie         | Isabella  | Midland    |
| Branch         | Kalkaska  | Missaukee  |
| Chippewa       | Keweenaw  | St. Joseph |
| Delta          | Leelanau  | Shiawassee |
| Dickinson      | Lenawee   | Wexford    |
| Grand Traverse | Marquette |            |

Metropolitan statistical area Michigan counties are as follows:

|         |            |           |
|---------|------------|-----------|
| Barry   | Ionia      | Newaygo   |
| Bay     | Jackson    | Oakland   |
| Berrien | Kalamazoo  | Ottawa    |
| Calhoun | Kent       | Saginaw   |
| Cass    | Lapeer     | St. Clair |
| Clinton | Livingston | Van Buren |
| Eaton   | Macomb     | Washtenaw |
| Genesee | Monroe     | Wayne     |
| Ingham  | Muskegon   |           |

Source:  
65 F.R., p. 82238 (December 27, 2000)  
Statistical Policy Office  
Office of Information and Regulatory Affairs  
United States Office of Management and Budget