

MICHIGAN DEPARTMENT OF COMMUNITY HEALTH AND HUMAN SERVICES

CERTIFICATE OF NEED (CON) REVIEW STANDARDS FOR HOSPITAL BEDS

(By authority conferred on the CON Commission by sections 22215 and 22217 of Act No. 368 of the Public Acts of 1978, as amended, and sections 7 and 8 of Act No. 306 of the Public Acts of 1969, as amended, being sections 333.22215, 333.22217, 24.207, and 24.208 of the Michigan Compiled Laws.)

Section 1. Applicability

Sec. 1. (1) These standards are requirements for approval under Part 222 of the Code that involve (a) beginning operation of a new hospital or (b) replacing beds in a hospital or physically relocating hospital beds from one licensed site to another geographic location or (c) increasing licensed beds in a hospital licensed under Part 215 or (d) acquiring a hospital. Pursuant to Part 222 of the Code, a hospital licensed under Part 215 is a covered health facility. The Department shall use these standards in applying Section 22225(1) of the Code, being Section 333.22225(1) of the Michigan Compiled Laws and Section 22225(2)(c) of the Code, being Section 333.22225(2)(c) of the Michigan Compiled Laws.

(2) An increase in licensed hospital beds is a change in bed capacity for purposes of Part 222 of the Code.

(3) The physical relocation of hospital beds from a licensed site to another geographic location is a change in bed capacity for purposes of Part 222 of the Code.

(4) An increase in hospital beds certified for long-term care is a change in bed capacity for purposes of Part 222 of the Code and shall be subject to and reviewed under the CON Review Standards for Long-Term-Care Services.

Section 2. Definitions

Sec. 2. (1) As used in these standards:

(a) "Acquiring a hospital" means the issuance of a new hospital license as the result of the acquisition (including purchase, lease, donation, or other comparable arrangements) of a licensed and operating hospital and which does not involve a change in bed capacity.

(b) "Adjusted patient days" means the number of patient days when calculated as follows:

(i) Combine all pediatric patient days of care and obstetrics patient days of care provided during the period of time under consideration and multiply that number by 1.1.

(ii) Add the number of non-pediatric and non-obstetric patient days of care, excluding psychiatric patient days, provided during the same period of time to the product obtained in (i) above. This is the number of adjusted patient days for the applicable period.

(c) "Alcohol and substance abuse hospital" means a licensed hospital within a long-term (acute) care (LTAC) hospital that exclusively provides inpatient medical detoxification and medical stabilization and related outpatient services for persons who have a primary diagnosis of substance dependence covered by DRGs 433 - 437.

(d) "Average adjusted occupancy rate" shall be calculated as follows:

(i) Calculate the number of adjusted patient days during the most recent, consecutive 36-month period, as of the date of the application, for which verifiable data are available to the Department.

(ii) Calculate the total licensed bed days for the same 36-month period as in (i) above by multiplying the total licensed beds by the number of days they were licensed.

(iii) Divide the number of adjusted patient days calculated in (i) above by the total licensed bed days calculated in (ii) above, then multiply the result by 100.

(d) "Base year" means the most recent year that final MIDB data is available to the Department.

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

55 (f) "Close a hospital" means an applicant will demonstrate to the satisfaction of the Department that a
56 hospital licensed under Part 215, and whose licensed capacity for the most recent 24 months prior to
57 submission of the application was at least 80 percent for acute care beds, will close and surrender its
58 acute care hospital license upon completion of the proposed project.

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

61 (h) "Common ownership or control" means a hospital that is owned by, is under common control of,
62 or has a common parent as the applicant hospital.

63 (i) "Compare group" means the applications that have been grouped for the same type of project in
64 the same hospital group and are being reviewed comparatively in accordance with the CON rules.

65 (j) "Department" means the Michigan Department of **Community Health AND HUMAN SERVICES**
66 **(MDCHHS)**.

67 (k) "Department inventory of beds" means the current list maintained for each hospital group on a
68 continuing basis by the Department of (i) licensed hospital beds and (ii) hospital beds approved by a valid
69 CON issued under either Part 221 or Part 222 of the Code that are not yet licensed. The term does not
70 include hospital beds certified for long-term-care in hospital long-term care units.

71 (l) "Disproportionate share hospital payments" means the most recent payments to hospitals in the
72 special pool for non-state government-owned or operated hospitals to assure funding for costs incurred by
73 public facilities providing inpatient hospital services which serve a disproportionate number of low-income
74 patients with special needs as calculated by the Medical Services Administration within the Department.

75 (m) "Excluded hospitals" means hospitals in the following categories:

76 (i) Critical access hospitals designated by CMS pursuant to 42 CFR 485.606

77 (ii) Hospitals located in rural or micropolitan statistical area counties

78 (iii) LTAC and Inpatient Rehabilitation Facility (IRF) hospitals

79 (iv) Sole community hospitals designated by CMS pursuant to 42 CFR 412.92

80 (v) Hospitals with 25 or fewer licensed beds

81 (n) "Existing hospital beds" means, for a specific hospital group, the total of all of the following: (i)
82 **hospital beds licensed by the Department of Licensing and Regulatory Affairs (LARA) or its successor;** (ii)
83 **hospital beds with valid CON approval but not yet licensed;** (iii) proposed hospital beds under appeal from
84 a final decision of the Department; and (iv) proposed hospital beds that are part of a completed application
85 under Part 222 (other than the application under review) for which a proposed decision has been issued
86 and which is pending final Department decision.

87 (o) "Gross hospital revenues" means the hospital's revenues as stated on the most recent Medicare
88 and Michigan Medicaid forms filed with the Medical Services Administration within the Department.

89 (p) "Health service area" or "HSA" means the groups of counties listed in Appendix A.

90 (q) "Hospital bed" means a bed within the licensed bed complement at a licensed site of a hospital
91 licensed under Part 215 of the Code, excluding (i) hospital beds certified for long-term care as defined in
92 Section 20106(6) of the Code and (ii) unlicensed newborn bassinets.

93 (r) "Hospital" means a hospital as defined in Section 20106(5) of the Code being Section
94 333.20106(5) of the Michigan Compiled Laws and licensed under Part 215 of the Code. The term does
95 not include a hospital or hospital unit licensed or operated by the Department of Mental Health.

96 (s) "Hospital group" means a cluster or grouping of hospitals based on geographic proximity and
97 hospital utilization patterns. The list of hospital groups and the hospitals assigned to each hospital group
98 will be posted on the State of Michigan CON web site and will be updated pursuant to Section 3.

99 (t) "Hospital long-term-care unit" or "HLTCU" means a nursing care unit, owned or operated by and
100 as part of a hospital, licensed by the Department, and providing organized nursing care and medical
101 treatment to 7 or more unrelated individuals suffering or recovering from illness, injury, or infirmity.

102 (u) "Host hospital" means a licensed and operating hospital, which delicenss hospital beds, and
103 which leases patient care space and other space within the physical plant of the host hospital, to allow an
104 LTAC hospital, IRF hospital, or alcohol and substance abuse hospital, to begin operation.

105 **(v) "INPATIENT REHABILITATION FACILITY BED" OR "IRF BED" MEANS A LICENSED HOSPITAL BED**
106 **WITHIN AN IRF HOSPITAL OR UNIT THAT HAS BEEN APPROVED TO PARTICIPATE IN THE TITLE XVIII**
107 **(MEDICARE) PROGRAM AS A PROSPECTIVE PAYMENT SYSTEM (PPS) EXEMPT INPATIENT**
108 **REHABILITATION HOSPITAL IN ACCORDANCE WITH 42 CFR PART 412 SUBPART P.**

109 (vw) "Inpatient Rehabilitation Facility hospital" or "IRF hospital" means a hospital that has been
110 approved to participate in the Title XVIII (Medicare) program as a prospective payment system (PPS)
111 exempt Inpatient Rehabilitation Hospital in accordance with 42 CFR Part 412 Subpart P.

112 (wx) "Licensed site" means the location of the facility authorized by license and listed on that licensee's
113 certificate of licensure.

114 (xy) "Limited access area" means those underserved areas with a patient day demand that meets or
115 exceeds the state-wide average of patient days used per 50,000 residents in the base year and as
116 identified **ON THE STATE OF MICHIGAN CON WEB SITE** in Appendix D. Limited access areas shall be
117 redetermined when a new hospital has been approved or an existing hospital closes.

118 (yz) "Long-term (acute) care hospital" or "LTAC hospital" means a hospital has been approved to
119 participate in the Title XVIII (Medicare) program as a prospective payment system (PPS) exempt hospital
120 in accordance with 42 CFR Part 412 Subpart O.

121 (zaa) "Medicaid" means title XIX of the social security act, chapter 531, 49 Stat. 620, 1396 to 1396g and
122 1396i to 1396u.

123 (aabb) "Medicaid volume" means the number of Medicaid recipients served at the hospital as stated on
124 the most recent Medicare and Michigan Medicaid forms filed with the Medical Services Administration
125 within the Department.

126 (bbcc) "Michigan Inpatient Data Base" or "MIDB" means the data base compiled by the Michigan Health
127 and Hospital Association or successor organization. The data base consists of inpatient discharge
128 records from all Michigan hospitals and Michigan residents discharged from hospitals in border states for
129 a specific calendar year.

130 (eedd) "New beds in a hospital" means hospital beds that meet at least one of the following: (i) are not
131 currently licensed as hospital beds, (ii) are currently licensed hospital beds at a licensed site in one
132 hospital group which are proposed for relocation in a different hospital group as determined by the
133 Department pursuant to Section 3 of these standards, (iii) are currently licensed hospital beds at a
134 licensed site in one hospital group which are proposed for relocation to another geographic site which is in
135 the same hospital group as determined by the Department, but which are not in the replacement zone, or
136 (iv) are currently licensed hospital beds that are proposed to be licensed as part of a new hospital in
137 accordance with Section 6(2) of these standards.

138 (deee) "New hospital" means one of the following: (i) the establishment of a new facility that shall be
139 issued a new hospital license, (ii) for currently licensed beds, the establishment of a new licensed site that
140 is not in the same hospital group as the currently licensed beds, (iii) currently licensed hospital beds at a
141 licensed site in one hospital group which are proposed for relocation to another geographic site which is in
142 the same hospital group as determined by the Department, but which are not in the replacement zone, or
143 (iv) currently licensed hospital beds that are proposed to be licensed as part of a new hospital in
144 accordance with section 6(2) of these standards.

145 (eeff) "Obstetrics patient days of care" means inpatient days of care for patients in the applicant's
146 Michigan Inpatient Data Base data ages 15 through 44 with DRGs 370 through 375 (obstetrical
147 discharges).

148 (ffgg) "Overbedded hospital group" means a hospital group in which the total number of existing hospital
149 beds in that hospital group exceeds the hospital group needed hospital bed supply.

150 (eghh) "Pediatric patient days of care" means inpatient days of care for patients in the applicant's
151 Michigan Inpatient Data Base data ages 0 through 14 excluding normal newborns.

152 (hhij) "Planning year" means five years beyond the base year for which hospital bed need is developed.

153 (ijj) "Qualifying project" means each application in a comparative group which has been reviewed
154 individually and has been determined by the Department to have satisfied all of the requirements of
155 Section 22225 of the code, being section 333.22225 of the Michigan Compiled Laws and all other
156 applicable requirements for approval in the Code or these Standards.

157 (jjkk) "Relocate existing licensed hospital beds" for purposes of sections 6(3) and 8 of these standards,
158 means a change in the location of existing hospital beds from the existing licensed hospital site to a
159 different existing licensed hospital site within the same hospital group or HSA. This definition does not
160 apply to projects involving replacement beds in a hospital governed by Section 7 of these standards.

161 (kkll) "Remaining patient days of care" means total inpatient days of care in the applicant's Michigan
162 Inpatient Data Base data minus obstetrics patient days of care and pediatric patient days of care.

163 (~~mm~~) "RENEWAL OF LEASE" MEANS EXECUTION OF A LEASE BETWEEN THE LICENSEE AND A
164 REAL PROPERTY OWNER IN WHICH THE TOTAL LEASE COSTS EXCEED THE CAPITAL
165 EXPENDITURE THRESHOLD.

166 (~~nn~~) "Replace beds" means a change in the location of the licensed hospital, the replacement of a
167 portion of the licensed beds at the same licensed site, or the one-time replacement of less than 50% of
168 the licensed beds to a new site within 250 yards of the building on the licensed site containing more than
169 50% of the licensed beds, which may include a new site across a highway(s) or street(s) as defined in
170 MCL 257.20 and excludes a new site across a limited access highway as defined in MCL 257.26. The
171 hospital beds will be in new physical plant space being developed in new construction or in newly acquired
172 space (purchase, lease, donation, etc.) within the replacement zone.

173 (~~oo~~) "REPLACE IRF BEDS" MEANS A CHANGE IN THE LOCATION OF ALL IRF BEDS FROM AN
174 EXISTING SITE TO A NEW SITE WITHIN THE REPLACEMENT ZONE FOR IRF BEDS.

175 (~~pp~~) "Replacement zone" means a proposed licensed site that is (i) in the same hospital group as the
176 existing licensed site as determined by the Department in accord with Section 3 of these standards and (ii)
177 on the same site, on a contiguous site, or on a site within 2 miles (5 MILES FOR IRF BEDS) of the
178 existing licensed site if the existing licensed site is located in a county with a population of 200,000 or
179 more, or on a site within 5 miles (10 MILES FOR IRF BEDS) of the existing licensed site if the existing
180 licensed site is located in a county with a population of less than 200,000.

181 (~~qq~~) "Uncompensated care volume" means the hospital's uncompensated care volume as stated on
182 the most recent Medicare and Michigan Medicaid forms filed with the Medical Services Administration
183 within the Department.

184 (~~rr~~) "Underserved area" means those geographic areas not within 30 minute drive time of an existing
185 licensed acute care hospital with 24 hour/7 days a week emergency room services utilizing the most direct
186 route using the lowest speed limits posted as defined by the Michigan Department of Transportation
187 (MDOT).

188 (~~ss~~) "Use rate" means the number of days of inpatient care per 1,000 population during a one-year
189 period.

190
191 (2) The definitions in Part 222 shall apply to these standards.
192

193 Section 3. Hospital groups

194
195 Sec. 3. Each existing hospital is assigned to a hospital group pursuant to subsection (1).
196

197 (1) These hospital groups and the assignments of hospitals to hospital groups shall be updated by
198 the Department every five years or at the direction of the Commission. The methodology described in
199 "New Methodology for Defining Hospital Groups" by Paul I. Delamater, Ashton M. Shortridge, and Joseph
200 P. Messina, 2011 shall be used as follows:

201 (a) For each hospital, calculate the patient day commitment index (%C – a mathematical computation
202 where the numerator is the number of inpatient hospital days from a specific geographic area provided by
203 a specified hospital and the denominator is the total number of patient days provided by the specified
204 hospital using MIDB data) for all Michigan zip codes using the summed patient days from the most recent
205 three years of MIDB data. Include only those zip codes found in each year of the most recent three years
206 of MIDB data. Arrange observations in an origin-destination table such that each hospital is an origin
207 (row) and each zip code is a destination (column) and include only hospitals with inpatient records in the
208 MIDB.

209 (b) For each hospital, calculate the road distance to all other hospitals. Arrange observations in an
210 origin-destination table such that each hospital is an origin (row) and each hospital is also a destination
211 (column).

212 (c) Rescale the road distance origin-destination table by dividing every entry in the road distance
213 origin-destination table by the maximum distance between any two hospitals.

214 (d) Append the road distance origin-destination table to the %C origin-destination table (by hospital)
215 to create the input data matrix for the clustering algorithm.

216 (e) Group hospitals into clusters using the k-means clustering algorithm with initial cluster centers
217 provided by a wards hierarchical clustering method. Iterate over all cluster solutions from 2 to the number
218 of hospitals (n) minus 1.

219 (i) For each cluster solution, record the group membership of each hospital, the cluster center
220 location for each of the clusters, the r^2 value for the overall cluster solution, the number of single hospital
221 clusters, and the maximum number of hospitals in any cluster.

222 (ii) "k-means clustering algorithm" means a method for partitioning observations into a user-specified
223 number of groups. It is a standard algorithm with a long history of use in academic and applied research.
224 The approach identifies groups of observations such that the sum of squares from points to the assigned
225 cluster centers is minimized, i.e., observations in a cluster are more similar to one another than they are
226 to other clusters. Several k-means implementations have been proposed; the bed need methodology
227 uses the widely-adopted Hartigan-Wong algorithm. Any clustering or data mining text will discuss k-
228 means; one example is B.S. Everitt, S. Landau, M. Leese, & D. Stahl (2011) Cluster Analysis, 5th Edition.
229 Wiley, 346 p.

230 (iii) "Wards hierarchical clustering method" means a method for clustering observations into groups.
231 This method uses a binary tree structure to sequentially group data observations into clusters, seeking to
232 minimize overall within-group variance. In the bed need methodology, this method is used to identify the
233 starting cluster locations for k-means. Any clustering text will discuss hierarchical cluster analysis,
234 including Ward's method; one example is: G. Gan, C. Ma, & J. Wu (2007) Data Clustering: Theory,
235 Algorithms, and Applications (Asa-Siam Series on Statistics and Applied Probability). Society for Industrial
236 and Applied Mathematics (Siam), 466 p.

237 (f) Calculate the incremental F score (F_{inc}) for each cluster solution (i) between 3 and $n-1$ letting:

238 $r_i^2 = r^2$ of solution i

239 $r_{i-1}^2 = r^2$ of solution i-1

240 $k_i =$ number of clusters in solution i

241 $k_{i-1} =$ number of clusters in solution i-1

242 $n =$ total number of hospitals

243 where:
$$F_{inc,i} = \frac{\left(\frac{r_i^2 - r_{i-1}^2}{k_i - k_{i-1}} \right)}{\left(\frac{1 - r_i^2}{n - (k_i - 1)} \right)}$$

244 (g) Select candidate solutions by finding those with peak values in f_{inc} scores such that $f_{inc,i}$ is greater
245 than both $f_{inc,i-1}$ and $f_{inc,i+1}$.

246 (h) Remove all candidate solutions in which the largest single cluster contains more than 20
247 hospitals.

248 (i) Identify the minimum number of single hospital clusters from the remaining candidate solutions.
249 Remove all candidate solutions containing a greater number of single hospital clusters than the identified
250 minimum.

251 (j) From the remaining candidate solutions, choose the solution with the largest number of clusters

252 (k). This solution (k clusters) is the resulting number and configuration of the hospital groups.

253 (k) Rename hospital groups as follows:

254 (i) For each hospital group, identify the HSA in which the maximum number of hospitals are located.
255 In case of a tie, use the HSA number that is lower.

256 (ii) For each hospital group, sum the number of current licensed hospital beds for all hospitals.

257 (iii) Order the groups from 1 to k by first sorting by HSA number, then sorting within each HSA by the
258 sum of beds in each hospital group. The hospital group name is then created by appending number in
259 which it is ordered to "hg" (e.g., hg1, hg2, ... hgk).

260 (iv) Hospitals that do not have patient records in the MIDB - identified in subsection (1)(a) - are
261 designated as "ng" for non-groupable hospitals.

262
263 (2) For an application involving a proposed new licensed site for a hospital (whether new or
264 replacement), the proposed new licensed site shall be assigned to an existing hospital group utilizing the

265 methodology described in "A Methodology for Defining Hospital Groups" by Paul L. Delamater, Ashton M.
266 Shortridge, and Joseph P. Messina, 2011 as follows:

267 (a) Calculate the road distance from proposed new site (s) to all existing hospitals, resulting in a list of
268 n observations (s_n).

269 (b) Rescale s_n by dividing each observation by the maximum road distance between any two
270 hospitals identified in subsection (1)(c).

271 (c) For each hospital group, subset the cluster center location identified in subsection (1)(e)(i) to only
272 the entries corresponding to the road distance between hospitals. For each hospital group, the result is a
273 list of n observations that define each hospital group's central location in relative road distance.

274 (d) Calculate the distance ($d_{k,s}$) between the proposed new site and each existing hospital group

275 where: $d_{k,s} = \sqrt{(HG_{k,1} - s_1)^2 + (HG_{k,2} - s_2)^2 + (HG_{k,3} - s_3)^2 + \dots + (HG_{k,n} - s_n)^2}$

276 (e) Assign the proposed new site to the closest hospital group (HG k) by selecting the minimum value
277 of $d_{k,s}$.

278 (f) If there is only a single applicant, then the assignment procedure is complete. If there are
279 additional applicants, then steps (a) – (e) must be repeated until all applicants have been assigned to an
280 existing hospital group.

281
282 (3) The Department shall amend the hospital groups to reflect: (a) approved new licensed site(s)
283 assigned to a specific hospital group; (b) hospital closures; and (c) licensure action(s) as appropriate.
284

285 (4) As directed by the Commission, new hospital group assignments established according to
286 subsection (1) shall supersede the previous subarea/hospital group assignments and shall be posted on
287 the State of Michigan CON web site effective on the date determined by the Commission.
288

289 **Section 4. Determination of the needed hospital bed supply**

290
291 Sec. 4. (1) The determination of the needed hospital bed supply for a hospital group for a planning
292 year shall be made using the MIDB and the methodology detailed in "New Methodology for Determining
293 Needed Hospital Bed Supply" by Paul L. Delamater, Ashton M. Shortridge, and Joseph P. Messina, 2011
294 as follows:

295 (a) All hospital discharges for normal newborns (DRG 391 prior to 2008, DRG 795 thereafter) and
296 psychiatric patients (ICD-9-CM codes 290 through 319, see Appendix E-D for ICD-10-CM Codes, as a
297 principal diagnosis) will be excluded.

298 (b) For each county, compile the monthly patient days used by county residents for the previous five
299 years (base year plus previous four years). Compile the monthly patient days used by non-Michigan
300 residents in Michigan hospitals for the previous five years as an "out-of-state" unit. The out-of-state
301 patient days unit is considered an additional county thereafter. Patient days are to be assigned to the
302 month in which the patient was discharged. For patient records with an unknown county of residence,
303 assign patient days to the county of the hospital where the patient received service.

304 (c) For each county, calculate the monthly patient days for all months in the planning year. For each
305 county, construct an ordinary least squares linear regression model using monthly patient days as the
306 dependent variable and months (1-60) as the independent variable. If the linear regression model is
307 significant at a 90% confidence level (F-score, two tailed p value ≤ 0.1), predict patient days for months
308 109-120 using the model coefficients. If the linear regression model is not significant at a 90% confidence
309 level (F-score, two tailed p value > 0.1), calculate the predicted monthly patient day demand in the
310 planning year by finding the monthly average of the three previous years (months 25-60).

311 (d) For each county, calculate the predicted yearly patient day demand in the planning year. For
312 counties with a significant regression model, sum the monthly predicted patient days for the planning year.
313 For counties with a non-significant regression model, multiply the three year monthly average by 12.

314 (e) For each county, calculate the base year patient day commitment index (%c) to each hospital
315 group. Specifically, divide the base year patient days from each county to each hospital group by the total
316 number of base year patient days from each county.

- 317 (f) For each county, allocate the planning year patient days to the hospital groups by multiplying the
318 planning year patient days by the %c to each hospital group from subsection (e).
319 (g) For each hospital group, sum the planning year patient days allocated from each county.
320 (h) For each hospital group, calculate the average daily census (ADC) for the planning year by
321 dividing the planning year patient days by 365. Round each ADC value up to the nearest whole number.
322 (i) For each hospital group, select the appropriate occupancy rate from the occupancy table in
323 Appendix C.
324 (j) For each hospital group, calculate the planning year bed need by dividing the planning year ADC
325 by the appropriate occupancy rate. Round each bed need value up to the nearest whole number.
326

327 (2) The determination of the needed hospital bed supply for a limited access area shall be made
328 using the MIDB and the methodology detailed in "A Methodology for Determining Needed Hospital Bed
329 Supply" by Paul L. Delamater, Ashton M. Shortridge, And Joesph P. Messina, 2011 as follows:

330 (a) All hospital discharges for normal newborns (DRG 391 prior to 2008, DRG 795 thereafter) and
331 psychiatric patients (ICD-9-CM codes 290 through 319, see Appendix E-D for ICD-10-CM Codes, as a
332 principal diagnosis) will be excluded.

333 (b) Calculate the average patient day use rate of Michigan residents. Sum total patient days of
334 Michigan residents in the base year and divide by estimated base year population for the state (population
335 data available from US Census Bureau).

336 (c) Calculate the minimum number of patient days for designation of a limited access area by
337 multiplying the average patient day use rate by 50,000. Round up to the nearest whole number.

338 (d) Follow steps outlined in Section 4(1)(b) – (d) to predict planning year patient days for each
339 underserved area. Round up to the nearest whole number. The patient days for each underserved area
340 are defined as the sum of the zip codes corresponding to each underserved area.

341 (e) For each underserved area, compare the planning year patient days to the minimum number of
342 patient days for designation of a limited access area calculated in (c). Any underserved area with a
343 planning year patient day demand greater than or equal to the minimum is designated as a limited access
344 area.

345 (f) For each limited access area, calculate the planning year bed need using the steps outlined in
346 Section 4(1)(h) – (j). For these steps, use the planning year patient days for each limited access area.
347

348 **Section 5. Bed Need**

349
350 Sec. 5. (1) The bed-need numbers shall apply to projects subject to review under these standards,
351 except where a specific CON review standard states otherwise.
352

353 (2) The Department shall re-calculate the acute care bed need methodology in Section 4 every two
354 years, or as directed by the Commission.
355

356 (3) The effective date of the bed-need numbers shall be established by the Commission.
357

358 (4) New bed-need numbers established by subsections (2) and (3) shall supersede previous bed-
359 need numbers and shall be posted on the State Of Michigan CON web site as part of the hospital bed
360 inventory.
361

362 (5) Modifications made by the Commission pursuant to this section shall not require standard
363 advisory committee action, a public hearing, or submittal of the standard to the legislature and the
364 governor in order to become effective.
365

366 **Section 6. Requirements for approval -- new beds in a hospital**

367
368 Sec. 6. (1) An applicant proposing new beds in a hospital, except an applicant meeting the
369 requirements of subsection 2, 3, 4, or 5 shall demonstrate that it meets all of the following:

370 (a) The new beds in a hospital shall result in a hospital of at least 200 beds in a metropolitan
371 statistical area county or 25 beds in a rural or micropolitan statistical area county. This subsection may be
372 waived by the Department if the Department determines, in its sole discretion, that a smaller hospital is
373 necessary or appropriate to assure access to health-care services.

374 (b) The total number of existing hospital beds in the hospital group to which the new beds will be
375 assigned does not currently exceed the needed hospital bed supply. The Department shall determine the
376 hospital group to which the beds will be assigned in accord with Section 3 of these standards.

377 (c) Approval of the proposed new beds in a hospital shall not result in the total number of existing
378 hospital beds, in the hospital group to which the new beds will be assigned, exceeding the needed hospital
379 bed supply. The Department shall determine the hospital group to which the beds will be assigned in
380 accord with Section 3 of these standards.

381
382 (2) An applicant proposing to begin operation as a new LTAC hospital, IRF hospital or alcohol and
383 substance abuse hospital within an existing licensed, host hospital shall demonstrate that it meets all of
384 the requirements of this subsection:

385 (a) If the LTAC or IRF hospital applicant described in this subsection does not meet the Title XVIII
386 requirements of the Social Security Act for exemption from PPS as an LTAC or IRF hospital within 12
387 months after beginning operation, then it may apply for a six-month extension in accordance with
388 R325.9403 of the CON rules. If the applicant fails to meet the Title XVIII requirements for PPS exemption
389 as an LTAC or IRF hospital within the 12 or 18-month period, then the CON granted pursuant to this
390 section shall expire automatically.

391 (b) The patient care space and other space to establish the new hospital is being obtained through a
392 lease arrangement and renewal of a lease between the applicant and the host hospital. The initial,
393 renewed, or any subsequent lease shall specify at least all of the following:

394 (i) That the host hospital shall delicense the same number of hospital beds proposed by the
395 applicant for licensure in the new hospital or any subsequent application to add additional beds.

396 (ii) That the proposed new beds shall be for use in space currently licensed as part of the host
397 hospital.

398 (iii) That upon non-renewal and/or termination of the lease, upon termination of the license issued
399 under Part 215 of the act to the applicant for the new hospital, or upon noncompliance with the project
400 delivery requirements or any other applicable requirements of these standards, the beds licensed as part
401 of the new hospital must be disposed of by one of the following means:

402 (A) Relicensure of the beds to the host hospital. The host hospital must obtain a CON to acquire the
403 LTAC or IRF hospital. In the event that the host hospital applies for a CON to acquire the LTAC or IRF
404 hospital [including the beds leased by the host hospital to the LTAC or IRF hospital] within six months
405 following the termination of the lease with the LTAC or IRF hospital, it shall not be required to be in
406 compliance with the hospital bed supply if the host hospital proposes to add the beds of the LTAC or IRF
407 hospital to the host hospital's medical/surgical licensed capacity and the application meets all other
408 applicable project delivery requirements. The beds must be used for general medical/surgical purposes.
409 Such an application shall not be subject to comparative review and shall be processed under the
410 procedures for non-substantive review (as this will not be considered an increase in the number of beds
411 originally licensed to the applicant at the host hospital);

412 (B) Delicensure of the hospital beds; or

413 (C) Acquisition by another entity that obtains a CON to acquire the new hospital in its entirety and that
414 entity must meet and shall stipulate to the requirements specified in Section 6(2).

415 (c) The applicant or the current licensee of the new hospital shall not apply, initially or subsequently,
416 for CON approval to initiate any other CON covered clinical services; provided, however, that this section
417 is not intended, and shall not be construed in a manner which would prevent the licensee from contracting
418 and/or billing for medically necessary covered clinical services required by its patients under arrangements
419 with its host hospital or any other CON approved provider of covered clinical services.

420 (d) The new licensed hospital shall remain within the host hospital.

421 (e) The new hospital shall be assigned to the same hospital group as the host hospital.

422 (f) The proposed project to begin operation of a new hospital, under this subsection, shall constitute
423 a change in bed capacity under Section 1(2) of these standards.

424 (g) The lease will not result in an increase in the number of licensed hospital beds in the hospital
425 group.

426 (h) Applications proposing a new hospital under this subsection shall not be subject to comparative
427 review.

428
429 (3) An applicant proposing to add new hospital beds, as the receiving licensed hospital under Section
430 8, shall demonstrate that it meets all of the requirements of this subsection and shall not be required to be
431 in compliance with the needed hospital bed supply if the application meets all other applicable CON review
432 standards and agrees and assures to comply with all applicable project delivery requirements.

433 (a) The approval of the proposed new hospital beds shall not result in an increase in the number of
434 licensed hospital beds as follows:

435 (i) In the hospital group pursuant to Section 8(2)(a), or

436 (ii) in the HSA pursuant to Section 8(2)(b).

437 (b) Where the source hospital was subject to Section 8(3)(b), the receiving hospital shall have an
438 average adjusted occupancy rate of 40 percent or above.

439 (c) Where the source hospital was subject to Section 8(3)(b), the addition of the proposed new
440 hospital beds at the receiving hospital shall not exceed the number determined by the following
441 calculation:

442 (i) As of the date of the application, calculate the adjusted patient days for the most recent,
443 consecutive 36-month period where verifiable data is available to the Department, and divide by .40.

444 (ii) Divide the result of subsection (i) by 1095 (or 1096, if the 36-month period includes a leap year)
445 and round up to next whole number or 25, whichever is larger. This is the maximum number of beds that
446 can be licensed at the receiving hospital.

447 (iii) Subtract the receiving hospital's total number of licensed beds and approved beds from the result
448 of subsection (ii). This is the maximum number of beds that can be added to the receiving hospital.

449 (d) Where the source hospital was subject to Section 8(3)(b), the receiving hospital's average
450 adjusted occupancy rate must not be less than 40 percent after the addition of the proposed new hospital
451 beds.

452 (e) Subsection (3)(b), (c), and (d) shall not apply to excluded hospitals.

453 (f) The proposed project to add new hospital beds, under this subsection, shall constitute a change in
454 bed capacity under Section 1(2) of these standards.

455 (g) Applicants proposing to add new hospital beds under this subsection shall not be subject to
456 comparative review.

457
458 (4) An applicant may apply for the addition of new beds if all of the following subsections are met.
459 Further, an applicant proposing new beds at an existing licensed hospital site shall not be required to be in
460 compliance with the needed hospital bed supply if the application meets all other applicable CON review
461 standards and agrees and assures to comply with all applicable project delivery requirements.

462 (a) The beds are being added at the existing licensed hospital site, **OR ARE BEING REPLACED TO**
463 **A NEW IRF HOSPITAL SITE BEING CREATED UNDER SECTION 7(6) AS PART OF THE SAME CON**
464 **APPLICATION.**

465 (b) The hospital at the existing licensed hospital site has operated at an adjusted occupancy rate of
466 80 percent or above for the previous, consecutive 24 months based on its licensed and approved hospital
467 bed capacity. The adjusted occupancy rate shall be calculated as follows:

468 (i) Calculate the number of adjusted patient days during the most recent, consecutive 24-month
469 period for which verifiable data are available to the Department.

470 (ii) Divide the number calculated in (i) above by the total possible patient days [licensed and approved
471 hospital beds multiplied by 730 (or 731 if including a leap year)]. This is the adjusted occupancy rate.

472 (c) The number of beds that may be approved pursuant to this subsection shall be the number of
473 beds necessary to reduce the adjusted occupancy rate for the hospital to 75 percent. The number of beds
474 shall be calculated as follows:

475 (i) Divide the number of adjusted patient days calculated in subsection (b)(i) by .75 to determine
476 licensed bed days at 75 percent occupancy.

477 (ii) Divide the result of step (i) by 730 (or 731 if including a leap year) and round the result up to the
478 next whole number.

479 (iii) Subtract the number of licensed and approved hospital beds as documented on the "Department
480 Inventory of Beds" from the result of step (ii) and round the result up to the next whole number to
481 determine the maximum number of beds that may be approved pursuant to this subsection.

482 (d) A licensed acute care hospital that has relocated its beds, after the effective date of these
483 standards, shall not be approved for hospital beds under this subsection for five years from the effective
484 date of the relocation of beds.

485 (e) Applicants proposing to add new hospital beds under this subsection shall not be subject to
486 comparative review.

487 ~~— (f) Applicants proposing to add new hospital beds under this subsection shall demonstrate to the
488 Department that they have pursued a good faith effort to relocate acute care beds from other licensed
489 acute care hospitals within the HSA. At the time an application is submitted to the Department, the
490 applicant shall demonstrate that contact was made by one certified mail return receipt for each
491 organization contacted.~~

492 (5) An applicant proposing a new hospital in a limited access area shall not be required to be in
493 compliance with the needed hospital bed supply if the application meets all other applicable CON review
494 standards, agrees and assures to comply with all applicable project delivery requirements, and all of the
495 following subsections are met.

496 (a) The proposed new hospital, unless a critical access hospital, shall have 24 hour/7 days a week
497 emergency services, obstetrical services, surgical services, and licensed acute care beds.

498 (b) The Department shall assign the proposed new hospital to an existing hospital group based on
499 the current market use patterns of existing hospital groups.

500 (c) Approval of the proposed new beds in a hospital in a limited access area shall not exceed the bed
501 need for the limited access area as determined by the bed need methodology in Section 4 and as set forth
502 ~~ON THE STATE OF MICHIGAN CON WEB SITE~~in Appendix D.

503 (d) The new beds in a hospital in a limited access area shall result in a hospital of at least 100 beds in
504 a metropolitan statistical area county or 50 beds in a rural or micropolitan statistical area county. If the
505 bed need for a limited access area, as shown ~~ON THE STATE OF MICHIGAN CON WEB SITE~~in
506 Appendix D, is less, then that will be the minimum number of beds for a new hospital under this provision.

507 If an applicant for new beds in a hospital under this provision simultaneously applies for status as a
508 critical access hospital, the minimum hospital size shall be that number allowed under state/federal critical
509 access hospital designation.

510 (e) Applicants proposing to create a new hospital under this subsection shall not be approved, for a
511 period of five years after beginning operation of the facility, of the following covered clinical services: (i)
512 open heart surgery, (ii) therapeutic cardiac catheterization, (iii) fixed positron emission tomography (PET)
513 services, (iv) all transplant services, (v) neonatal intensive care services/beds, and (vi) fixed urinary
514 extracorporeal shock wave lithotripsy (UESWL) services.

515 (f) Applicants proposing to add new hospital beds under this subsection shall be prohibited from
516 relocating the new hospital beds for a period of 10 years after beginning operation of the facility.

517 (g) An applicant proposing to add a new hospital pursuant to this subsection shall locate the new
518 hospital as follows:

519 (i) In a metropolitan statistical area county, an applicant proposing to add a new hospital pursuant to
520 this subsection shall locate the new hospital within the limited access area and serve a population of
521 50,000 or more inside the limited access area and within 30 minutes drive time from the proposed new
522 hospital.

523 (ii) In a rural or micropolitan statistical area county, an applicant proposing to add a new hospital
524 pursuant to this subsection shall locate the new hospital within the limited access area and serve a
525 population of 50,000 or more inside the limited access area and within 60 minutes drive time from the
526 proposed new hospital.

527

528 **Section 7. Requirements for approval to replace beds**

529

530 Sec. 7. (1) If the application involves the development of a new licensed site, an applicant proposing to
531 replace beds in a hospital within the replacement zone shall demonstrate that the new beds in a hospital
532 shall result in a hospital of at least 200 beds in a metropolitan statistical area county or 25 beds in a rural
533 or micropolitan statistical area county. This subsection may be waived by the Department if the
534 Department determines, in its sole discretion, that a smaller hospital is necessary or appropriate to assure
535 access to health-care services.

536
537 (2) The applicant shall specify whether the proposed project is to replace the licensed hospital to a
538 new site, TO REPLACE ALL LICENSED IRF BEDS TO A NEW SITE, to replace a portion of the licensed beds at
539 the existing licensed site, or the one-time replacement of less than 50% of the licensed beds to a new site
540 within 250 yards of the building on the licensed site containing more than 50% of the licensed beds, which
541 may include a new site across a highway(s) or street(s) as defined in MCL 257.20 and excludes a new site
542 across a limited access highway as defined in MCL 257.26.

543
544 (3) The applicant shall demonstrate that the new licensed site is in the replacement zone.

545
546 (4) The applicant shall comply with the following requirements, as applicable:

547 (a) The applicant's hospital shall have an average adjusted occupancy rate of 40 percent or above.

548 (b) If the applicant hospital does not have an average adjusted occupancy rate of 40 percent or
549 above, then the applicant hospital shall reduce the appropriate number of licensed beds to achieve an
550 average adjusted occupancy rate of 60 percent or above. The applicant hospital shall not exceed the
551 number of beds calculated as follows:

552 (i) As of the date of the application, calculate the number of adjusted patient days during the most
553 recent, consecutive 36-month period where verifiable data is available to the Department, and divide by
554 .60.

555 (ii) Divide the result of subsection (i) above by 1095 (or 1096 if the 36-month period includes a leap
556 year) and round up to the next whole number or 25, whichever is larger. This is the maximum number of
557 beds that can be licensed at the licensed hospital site after the replacement.

558 (c) Subsection (4)(a) and (b) shall not apply to excluded hospitals.

559
560 (5) An applicant proposing replacement beds in the replacement zone shall not be required to be in
561 compliance with the needed hospital bed supply if the application meets all other applicable CON review
562 standards and agrees and assures to comply with all applicable project delivery requirements.

563
564 (6) IF THE APPLICATION INVOLVES THE DEVELOPMENT OF A NEW LICENSED IRF HOSPITAL
565 SITE, AN APPLICANT PROPOSING TO REPLACE IRF BEDS WITHIN THE REPLACEMENT ZONE
566 SHALL DEMONSTRATE THAT IT MEETS ALL OF THE REQUIREMENTS OF THIS SUBSECTION:

567 (a) THE NEW LICENSE CREATED BY THE PROPOSED PROJECT SHALL ONLY BE UTILIZED
568 FOR INPATIENT REHABILITATION BEDS.

569 (b) THE APPLICANT HOSPITAL HAS DEMONSTRATED, AT THE TIME OF THE CON FILING, IT
570 IS OPERATING UNDER HIGH OCCUPANCY AS GOVERNED BY SECTION 6(4) OF THESE
571 STANDARDS.

572 (c) THE APPLICANT HAS DEMONSTRATED, AT THE TIME OF CON FILING, THAT THE BEDS
573 TO BE REPLACED ARE EITHER IRF BEDS THAT MEET THE TITLE XVIII REQUIREMENTS OF THE
574 SOCIAL SECURITY ACT FOR EXEMPTION FROM PPS AS AN IRF HOSPITAL, OR HIGH
575 OCCUPANCY BEDS BEING REQUESTED UNDER SECTION 6(4) AS PART OF THE SAME CON
576 APPLICATION.

577 (d) THE NEW IRF HOSPITAL WILL HAVE AT LEAST 40 IRF BEDS IF LOCATED IN A COUNTY
578 WITH A POPULATION OF 200,000 OR MORE; OR AT LEAST 25 IRF BEDS IF LOCATED IN A
579 COUNTY WITH A POPULATION OF LESS THAN 200,000.

580 (e) AS PART OF THE PHASING OF THE REPLACEMENT OF IRF BEDS TO THE NEW SITE, THE
581 APPLICANT MAY RETAIN, FOR 36-MONTHS FROM THE TIME OF ACTIVATION OF THE NEW SITE,
582 UP TO EIGHT IRF BEDS AT THE EXISTING HOSPITAL SITE. ANY IRF BEDS AT THE EXISTING SITE
583 THAT HAVE NOT BEEN TRANSITIONED TO THE NEW SITE WITHIN THE 36-MONTH TIME PERIOD

584 SHALL NOT BE UTILIZED FOR INPATIENT REHABILITATION AND SHALL REVERT BACK TO ACUTE
585 MEDICAL-SURGICAL HOSPITAL BEDS.

586
587 (f) THE PROPOSED PROJECT TO BEGIN OPERATION OF A NEW SITE, UNDER THIS
588 SUBSECTION, SHALL CONSTITUTE A CHANGE IN BED CAPACITY UNDER SECTION 1(2) OF
589 THESE STANDARDS.

590 (g) THE EXISTING HOSPITAL SITE SHALL DELICENSE THE SAME NUMBER OF IRF BEDS
591 PROPOSED BY THE APPLICANT FOR LICENSURE IN THE NEW IRF HOSPITAL.

592 (h) APPLICANTS PROPOSING A NEW IRF HOSPITAL UNDER THIS SUBSECTION SHALL NOT
593 BE SUBJECT TO COMPARATIVE REVIEW.

594 (i) THE NEW IRF HOSPITAL SHALL BE ASSIGNED TO THE SAME HOSPITAL GROUP AS THE
595 HOSPITAL WHERE THE IRF BEDS ORIGINATED.

596 (j) IF THE IRF HOSPITAL APPROVED UNDER THIS SUBSECTION CEASES OPERATION AS AN
597 IRF HOSPITAL, THE BEDS LICENSED AS PART OF THE NEW IRF HOSPITAL MUST BE DISPOSED
598 OF BY ONE OF THE FOLLOWING MEANS:

599 (i) RELOCATE THE REPLACED IRF BEDS BACK TO THE SITE OF ORIGIN;

600 (ii) RELOCATE ALL IRF BEDS APPROVED UNDER HIGH OCCUPANCY TO THE SITE OF
601 ORIGIN IN SUBSECTION (j) IF THEY ARE TO BE UTILIZED AS AN IRF BED; OR

602 (iii) DELICENSE ANY IRF BEDS APPROVED UNDER HIGH OCCUPANCY IF THEY ARE NOT TO
603 BE UTILIZED AS AN IRF BED.

604
605 **Section 8. Requirements for approval of an applicant proposing to relocate existing licensed**
606 **hospital beds**

607
608 Sec 8. (1) The proposed project to relocate beds, under this section, shall constitute a change in bed
609 capacity under Section 1(3) of these standards.

610
611 (2) Any existing licensed acute care hospital (source hospital) may relocate all or a portion of its beds
612 to another existing licensed acute care hospital as follows:

613 (a) The licensed acute care hospitals are located within the same hospital group, or

614 (b) the licensed acute care hospitals are located within the same HSA if the receiving hospital meets
615 the requirements of Section 6(4)(b) of these standards.

616
617 (3) The applicant shall comply with the following requirements, as applicable:

618 (a) The source hospital shall have an average adjusted occupancy rate of 40 percent or above.

619 (b) If the source hospital does not have an average adjusted occupancy rate of 40 percent or above,
620 then the source hospital shall reduce the appropriate number of licensed beds to achieve an average
621 adjusted occupancy rate of 60 percent or above upon completion of the relocation(s). The source hospital
622 shall not exceed the number of beds calculated as follows:

623 (i) As of the date of the application, calculate the number of adjusted patient days during the most
624 recent, consecutive 36-month period where verifiable data is available to the Department, and divide by
625 .60.

626 (ii) Divide the result of subsection (i) by 1095 (or 1096 if the 36-month period includes a leap year)
627 and round up to the next whole number or 25, whichever is larger. This is the maximum number of beds
628 that can be licensed at the source hospital site after the relocation.

629 (c) Subsections (3)(a) and (b) shall not apply to excluded hospitals.

630
631 (4) A source hospital shall apply for multiple relocations on the same application date, and the
632 applications can be combined to meet the criteria of (3)(b) above. A separate application shall be
633 submitted for each proposed relocation.

634
635 (5) The hospital from which the beds are being relocated, and the hospital receiving the beds, shall
636 not require any ownership relationship.

638 (6) The relocated beds shall be licensed to the receiving hospital and will be counted in the inventory
639 for the applicable hospital group.

640
641 (7) The relocation of beds under this section shall not be subject to a mileage limitation.
642

643 **Section 9. Project delivery requirements terms of approval for all applicants**

644
645 Sec. 9. An applicant shall agree that, if approved, the project shall be delivered in compliance with the
646 following terms of CON approval:

647
648 (1) Compliance with these standards.

649
650 (2) Compliance with the following quality assurance standards:

651 (a) The applicant shall assure compliance with Section 20201 of the Code, being Section 333.20201
652 of the Michigan Compiled Laws.

653
654 (3) Compliance with the following access to care requirements:

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

657 (b) The applicant, to assure appropriate utilization by all segments of the Michigan population, shall:

658 (i) Not deny services to any individual based on ability to pay or source of payment.

659 (ii) Maintain information by source of payment to indicate the volume of care from each payor and
660 non-payor source provided annually.

661 (iii) Provide services to any individual based on clinical indications of need for the services.
662

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

664 (a) An applicant approved pursuant to Section 6(4) must achieve a minimum occupancy of 75
665 percent over the last 12-month period in the three years after the new beds are put into operation, and for
666 each subsequent calendar year, or the number of new licensed beds shall be reduced to achieve a
667 minimum of 75 percent average annual occupancy for the revised licensed bed complement.

668 (b) The applicant must submit documentation acceptable and reasonable to the Department, within
669 30 days after the completion of the 3-year period, to substantiate the occupancy rate for the last 12-month
670 period after the new beds are put into operation and for each subsequent calendar year, within 30 days
671 after the end of the year.

672 (c) The applicant shall participate in a data collection system established and administered by the
673 Department or its designee. The data may include, but is not limited to, annual budget and cost
674 information, operating schedules, through-put schedules, and demographic, morbidity, and mortality
675 information, as well as the volume of care provided to patients from all payor sources. The applicant shall
676 provide the required data on a separate basis for each licensed site; in a format established by the
677 Department, and in a mutually agreed upon media. The Department may elect to verify the data through
678 on-site review of appropriate records.

679 (d) The applicant shall participate and submit data to the Michigan Inpatient Data Base (MIDB). The
680 data shall be submitted to the Department or its designee.

681 (e) The applicant shall provide the Department with timely notice of the proposed project
682 implementation consistent with applicable statute and promulgated rules.

683
684 **(5) AN APPLICANT APPROVED FOR THE REPLACEMENT OF IRF BEDS UNDER SECTION 7(6) TO A NEW**
685 **NON-CONTIGUOUS SITE SHALL BE IN COMPLIANCE WITH THE FOLLOWING:**

686 **(a) THE REPLACED IRF BEDS SHALL MAINTAIN THEIR PPS EXEMPT INPATIENT REHABILITATION**
687 **HOSPITAL STATUS.**

688 **(b) THE NEW LICENSE CREATED BY THE PROPOSED PROJECT WILL ONLY BE UTILIZED**
689 **FOR INPATIENT REHABILITATION BEDS.**
690

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

693
694 **Section 10. Department inventory of beds**

695
696 Sec. 10. The Department shall maintain and provide on request a listing of the Department inventory
697 of beds for each hospital group.

698
699 **Section 11. Effect on prior planning policies; comparative reviews**

700
701 Sec. 11. (1) These CON review standards supersede and replace the CON standards for hospital
702 beds approved by the CON Commission on ~~March 18, 2014~~ DECEMBER 11, 2014 and effective ~~June 2,~~
703 2014 MARCH 20, 2015.

704
705 (2) Projects reviewed under these standards shall be subject to comparative review except those
706 projects meeting the requirements of Section 7 involving the replacement of beds in a hospital within the
707 replacement zone and projects involving acquisition (including purchase, lease, donation or comparable
708 arrangements) of a hospital.

709
710 **Section 12. Additional requirements for applications included in comparative reviews**

711
712 ~~Sec. 12. (1) Except for those applications for limited access areas, a~~ Any application for hospital beds,
713 that is subject to comparative review under Section 22229 of the Code, being Section 333.22229 of the
714 Michigan Compiled Laws, or under these standards shall be grouped and reviewed comparatively with
715 ~~other~~ SAME TYPE OF applications (LIMITED ACCESS AREA OR NON-LIMITED ACCESS AREA) -in
716 accordance with the CON rules.

717
718 (2) Each application in a comparative review group shall be individually reviewed to determine
719 whether the application is a qualifying project. If the Department determines that two or more competing
720 applications are qualifying projects, it shall conduct a comparative review. The Department shall approve
721 those qualifying projects which, when taken together, do not exceed the need, as defined in Section
722 22225(1) of the Code, and which have the highest number of points when the results of subsection (3) are
723 totaled. If two or more qualifying projects are determined to have an identical number of points, then the
724 Department shall approve those qualifying projects that, when taken together, do not exceed the need in
725 the order in which the applications were received by the Department based on the date and time stamp
726 placed on the applications by the department in accordance with rule 325.9123.

727
728 ~~(3)(a) A QUALIFYING PROJECT WILL BE AWARDED POINTS BASED ON THE APPLICANT'S CMS~~
729 ~~STAR RATINGS VIA HOSPITAL COMPARE AS OF THE DATE OF APPLICATION AS FOLLOWS:~~

730
731 A QUALIFYING PROJECT WILL BE AWARDED POINTS BASED ON THE APPLICANT'S QUALITY OF
732 CARE AS MEASURED BY THE OVERALL STAR RATINGS AVAILABLE THROUGH CMS' HOSPITAL
733 COMPARE. FOR PURPOSES OF EVALUATING THIS CRITERION, AN AVERAGE SHALL BE
734 CALCULATED BASED ON THE OVERALL STAR RATINGS OF THE APPLICANT AND ALL
735 CURRENTLY LICENSED MICHIGAN HOSPITALS UNDER COMMON OWNERSHIP OR CONTROL
736 WITH THE APPLICANT THAT ARE LOCATED IN THE SAME HEALTH SERVICE AREA AS THE
737 PROPOSED HOSPITAL BEDS. APPLICANTS SHALL BE RANKED IN ORDER ACCORDING TO THIS
738 CALCULATED OVERALL STAR RATING AVERAGE.

739
740
741

STAR RATING	POINTS AWARDED
APPLICANT WITH HIGHEST AVERAGE STAR RATING	20 POINTS

ALL OTHER APPLICANTS	APPLICANT'S AVERAGE STAR RATING DIVIDED BY THE HIGHEST APPLICANT'S STAR RATING, THEN MULTIPLIED BY 15
EXAMPLE: THE HIGHEST APPLICANT HAS AN AVERAGE STAR RATING OF 3.4	20 POINTS
APPLICANT WITH STAR RATING OF 3.1	$(3.1 \div 3.4) \times 15 = 13.7$ is 14 POINTS
APPLICANT WITH STAR RATING OF 3.0	$(3.0 \div 3.4) \times 15 = 13.2$ is 13 POINTS

742 FOR PURPOSES OF EVALUATING THIS CRITERION, APPLICANTS SHALL SUBMIT THE OVERALL
743 CMS STAR RATING AVAILABLE AT THE TIME OF THE SUBMISSION OF THE CON APPLICATION
744 FOR THE APPLICANT AND EACH CURRENTLY LICENSED HOSPITAL UNDER COMMON
745 OWNERSHIP OR CONTROL LOCATED IN THE SAME HEALTH SERVICE AREA AS THE PROPOSED
746 HOSPITAL BEDS. WHERE AN APPLICANT PROPOSES TO CLOSE A HOSPITAL(S) AS PART OF ITS
747 APPLICATION, DATA FROM THE HOSPITAL(S) TO BE CLOSED SHALL BE EXCLUDED FROM THIS
748 CALCULATION. STAR RATINGS SHALL BE ROUNDED TO THE NEAREST 1/10, AND POINTS
749 AWARDED SHALL BE ROUNDED TO THE NEAREST WHOLE NUMBER, I.E. NUMBERS ENDING IN .5
750 OR HIGHER, ROUND UP, AND NUMBERS ENDING IN .4 OR LOWER, ROUND DOWN.

751
752 (b) A qualifying project will be awarded points based on the ~~percentile~~ ranking of the applicant's
753 ~~uncompensated care volume and as measured by percentage of gross hospital revenues~~ UNINSURED
754 DAYS AS MEASURED AS A PERCENTAGE OF TOTAL DAYS as set forth in the following table. The
755 applicant's ~~uncompensated care volume~~ UNINSURED PERCENTAGE will be the cumulative of all
756 UNINSURED INPATIENT MED/SURG AND UNINSURED INPATIENT REHAB DAYS DIVIDED BY THE
757 CUMULATIVE OF ALL INPATIENT MED/SURG AND INPATIENT REHAB DAYS AT ALL currently
758 licensed Michigan hospitals under common ownership or control with the applicant that are located in the
759 same health service area as the proposed hospital beds. FOR PURPOSES OF EVALUATING THIS
760 CRITERION, AN APPLICANT SHALL SUBMIT THE MOST RECENT REVIEWED AND ACCEPTED
761 MEDICAID COST REPORT FOR EACH CURRENTLY LICENSED HOSPITAL UNDER COMMON
762 OWNERSHIP OR CONTROL WITHIN THE SAME HEALTH SERVICE AREA. If a hospital under
763 common ownership or control with the applicant has not filed a MEDICAID Cost Report, then the related
764 applicant shall receive a score of zero. ~~The source document for the calculation shall be the most recent~~
765 ~~Cost Report filed with the Department for purposes of calculating disproportionate share hospital~~
766 ~~payments.~~

Percentile Ranking	Points Awarded
90.0 – 100	25 pts
80.0 – 89.9	20 pts
70.0 – 79.9	15 pts
60.0 – 69.9	10 pts
50.0 – 59.9	5 pts

UNINSURED DAYS	POINTS AWARDED
APPLICANT WITH HIGHEST PERCENT OF UNINSURED DAYS	10 POINTS
ALL OTHER APPLICANTS	APPLICANT'S PERCENT OF UNINSURED DAYS DIVIDED BY THE HIGHEST APPLICANT'S PERCENT OF UNISURED DAYS, THEN MULTIPLIED BY 7
EXAMPLE: THE HIGHEST APPLICANT HAS 5.3% UNINSURED DAYS	10 POINTS
APPLICANT WITH 5.0% DAYS	$(5.0 \div 5.3) \times 7 = 6.6$ is 7 POINTS
APPLICANT WITH 3.0% DAYS	$(3.0 \div 5.3) \times 7 = 4.0$ is 4 POINTS

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Where an applicant proposes to close a hospital(s) as part of its application, data from the hospital(s) to be closed shall be excluded from this calculation. PERCENTAGES OF DAYS SHALL BE ROUNDED TO THE NEAREST 1/10 (E.G. 5.3%), AND POINTS AWARDED SHALL BE ROUNDED TO THE NEAREST WHOLE NUMBER, I.E. NUMBERS ENDING IN .5 OR HIGHER, ROUND UP, AND NUMBERS ENDING IN .4 OR LOWER, ROUND DOWN.

(bc) A qualifying project will be awarded points based on the ~~health service area percentile rank~~ ING of the applicant's Medicaid ~~volume as measured by percentage of gross hospital revenues~~ DAYS AS MEASURED AS A PERCENTAGE OF TOTAL DAYS as set forth in the following table. For purposes of scoring, the applicant's Medicaid ~~volume~~ PERCENTAGE will be the cumulative of all TITLE XIX AND HEALTHY MICHIGAN INPATIENT MED/SURG AND INPATIENT REHAB DAYS DIVIDED BY THE CUMULATIVE OF ALL INPATIENT MED/SURG AND INPATIENT REHAB DAYS AT ALL currently licensed Michigan hospitals under common ownership or control with the applicant that are located in the same health service area as the proposed hospital beds. FOR PURPOSES OF EVALUATING THIS CRITERION, AN APPLICANT SHALL SUBMIT THE MOST RECENT REVIEWED AND ACCEPTED MEDICAID COST REPORT FOR EACH CURRENTLY LICENSED HOSPITAL UNDER COMMON OWNERSHIP OR CONTROL WITHIN THE SAME HEALTH SERVICE AREA. If a hospital under common ownership or control with the applicant has not filed a MEDICAID Cost Report, then the related applicant shall receive a score of zero. ~~The source document for the calculation shall be the most recent Cost Report filed with the department for purposes of calculating disproportionate share hospital payments.~~

<u>percentile rank</u>	<u>points awarded</u>
<u>87.5 – 100</u>	<u>20 pts</u>
<u>75.0 – 87.4</u>	<u>15 pts</u>
<u>62.5 – 74.9</u>	<u>10 pts</u>
<u>50.0 – 61.9</u>	<u>5 pts</u>
<u>less than 50.0</u>	<u>0 pts</u>

<u>MEDICAID DAYS</u>	<u>POINTS AWARDED</u>
<u>APPLICANT WITH HIGHEST PERCENT OF MEDICAID DAYS</u>	<u>20 POINTS</u>
<u>ALL OTHER APPLICANTS</u>	<u>APPLICANT'S PERCENT OF MEDICAID DAYS DIVIDED BY THE HIGHEST APPLICANT'S PERCENT OF MEDICAID DAYS, THEN MULTIPLIED BY 15</u>
<u>EXAMPLE: THE HIGHEST APPLICANT HAS 15.3% MEDICAID DAYS</u>	<u>20 POINTS</u>
<u>APPLICANT WITH 15.0% DAYS</u>	<u>(15.0 ÷ 15.3) X 15 = 14.7 is 15 POINTS</u>
<u>APPLICANT WITH 12.2% DAYS</u>	<u>(12.2 ÷ 15.3) X 15 = 12.0 is 12 POINTS</u>

Where an applicant proposes to close a hospital(s) as part of its application, data from the hospital(s) to be closed shall be excluded from this calculation. PERCENTAGES OF DAYS SHALL BE ROUNDED TO THE NEAREST 1/10 (E.G. 5.3%), AND POINTS AWARDED SHALL BE ROUNDED TO THE NEAREST WHOLE NUMBER, I.E. NUMBERS ENDING IN .5 OR HIGHER, ROUND UP, AND NUMBERS ENDING IN .4 OR LOWER, ROUND DOWN.

(ed) A qualifying project shall be awarded points as set forth in the following table in accordance with its impact on inpatient capacity. If an applicant proposes to close a hospital(s), points shall only be awarded if (i) closure of that hospital(s) does not create a bed need in any hospital group as a result of its closing; (ii) the applicant stipulates that the hospital beds to be closed shall not be transferred to another location or facility; and (iii) the utilization (as defined by the average daily census over the previous 24-month period prior to the date that the application is submitted) of the hospital to be closed is at least

815 equal to 50 percent of the size of the proposed hospital (as defined by the number of proposed new
 816 licensed beds).

Impact on Capacity	Points Awarded
Closure of hospital(s)	25-15 pts
Closure of hospital(s) which creates a bed need	-15 pts

823 (e) A QUALIFYING PROJECT WILL BE AWARDED POINTS BASED ON THE APPLICANT'S
 824 TOTAL PROJECT COSTS PER HOSPITAL BED. FOR PURPOSES OF THIS CRITERION, TOTAL
 825 PROJECT COSTS SHALL BE DEFINED AS THE TOTAL COSTS FOR CONSTRUCTION AND
 826 RENOVATION, SITE WORK, ARCHITECTURAL/ ENGINEERING AND CONSULTING FEES,
 827 CONTINGENCIES, FIXED EQUIPMENT, CONSTRUCTION MANAGEMENT AND PERMITS. THE
 828 PROPOSED PROJECT MUST INCLUDE SPACE FOR INPATIENT CARE, AND, IF NOT ALREADY
 829 AVAILABLE AT THE PROPOSED SITE, SPACE TO PROVIDE 24 HOUR/7 DAYS A WEEK SURGICAL,
 830 EMERGENCY AND IMAGING SERVICES. POINTS SHALL BE AWARDED IN ACCORDANCE WITH
 831 THE TABLE BELOW:
 832

COST PER BED	POINTS AWARDED
APPLICANT WITH LOWEST COST PER BED	15 POINTS
ALL OTHER APPLICANTS	THE LOWEST COST PER BED IN THE COMPARE GROUP DIVIDED BY THE APPLICANT'S COST PER BED, THEN MULTIPLIED BY 10
EXAMPLE: THE LOWEST COST APPLICANT HAS \$698,000 PER BED	15 POINTS
APPLICANT WITH \$710,000	$(\$698,000 \div 710,000) \times 10 = 9.8$ is 10 POINTS
APPLICANT WITH \$975,000 PER BED	$(\$698,000 \div 975,000) \times 10 = 7.2$ is 7 POINTS

833
 834 POINTS SHALL NOT BE AWARDED UNDER THIS SECTION FOR ANY PROJECT THAT PROPOSES
 835 TO ADD BEDS AT A LEASED FACILITY. COSTS SHALL BE ROUNDED TO THE NEAREST WHOLE
 836 DOLLAR, AND POINTS AWARDED SHALL BE ROUNDED TO THE NEAREST WHOLE NUMBER. , I.E.
 837 NUMBERS ENDING IN .5 OR HIGHER, ROUND UP, AND NUMBERS ENDING IN .4 OR LOWER,
 838 ROUND DOWN.
 839

840 (df) A qualifying project will be awarded points based on the percentage of the applicant's historical
 841 market share of inpatient discharges-DAYS of the population in an area which will be defined as that area
 842 circumscribed by the proposed hospital locations defined by all of the applicants in the comparative review
 843 process under consideration. This area will include any zip code completely within the area as well as any
 844 zip code which touches, or is touched by, the lines that define the area included within the figure that is
 845 defined by the geometric area resulting from connecting the proposed locations. In the case of two
 846 locations or one location or if the exercise in geometric definition does not include at least ten zip codes,
 847 the market area will be defined by the zip codes within the county (or counties) that includes the proposed
 848 site (or sites). Market share used for the calculation shall be the cumulative market share of the
 849 population residing in the set of above defined zip codes of all currently licensed Michigan hospitals under
 850 common ownership or control with the applicant, which are in the same health service area OF THE
 851 MARKET AREA'S PATIENT DAYS SERVED BY THE APPLICANT AND ALL CURRENTLY LICENSED
 852 MICHIGAN HOSPITALS UNDER COMMON OWNERSHIP AND CONTROL DIVIDED BY THE MARKET
 853 AREA'S TOTAL PATIENT DAYS FOR THE 12-MONTH PERIOD MOST RECENTLY AVAILABLE
 854 THROUGH THE MICHIGAN INPATIENT DATABASE.
 855

Percent	Points Awarded
% of market share	% of market share served x 30

858

(total pts. awarded)	
MARKET SHARE	POINTS AWARDED
APPLICANT WITH HIGHEST MARKET SHARE	10 PTS
ALL OTHER APPLICANTS	APPLICANT'S MARKET SHARE DIVIDED BY THE HIGHEST APPLICANT'S MARKET SHARE IN THE COMPARE GROUP, THEN MULTIPLIED BY 7
EXAMPLE: THE HIGHEST APPLICANT HAS 22.5% OF POPULATION	10 POINTS
APPLICANT WITH 20.0% MARKET SHARE	$(20.0 \div 22.5) \times 7 = 6.2$ is 6 POINTS
APPLICANT WITH 15.6% MARKET SHARE	$(15.6 \div 22.5) \times 7 = 4.9$ is 5 POINTS

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The source for calculations under this criterion is the MIDB. FOR PURPOSES OF EVALUATING THIS CRITERION, AN APPLICANT SHALL SUBMIT PATIENT DAYS BY ZIPCODE FOR EACH CURRENTLY LICENSED MICHIGAN HOSPITAL UNDER COMMON OWNERSHIP OR CONTROL USING THE MOST RECENT 12-MONTHS OF DATA AVAILABLE THROUGH THE MIDB AT THE TIME OF THE SUBMISSION OF THE CON APPLICATION. WHERE AN APPLICANT PROPOSES TO CLOSE A HOSPITAL(S) AS PART OF ITS APPLICATION, DATA FROM THE HOSPITAL(S) TO BE CLOSED SHALL BE EXCLUDED FROM THIS CALCULATION. MARKET SHARE PERCENTAGES SHALL BE ROUNDED TO THE NEAREST 1/10 (E.G. 5.3%), AND POINTS AWARDED SHALL BE ROUNDED TO THE NEAREST WHOLE NUMBER, I.E. NUMBERS ENDING IN .5 OR HIGHER, ROUND UP, AND NUMBERS ENDING IN .4 OR LOWER, ROUND DOWN.

(4) IF THE COMPARATIVE REVIEW GROUP INVOLVES A LIMITED ACCESS AREA, EACH QUALIFYING PROJECT WILL BE AWARDED POINTS BASED ON THE PERCENTAGE OF THE LIMITED ACCESS AREA'S POPULATION WITHIN A 30 MINUTE TRAVEL TIME OF THE PROPOSED HOSPITAL SITE IF IN A METROPOLITAN STATISTICAL AREA COUNTY, OR WITHIN 60 MINUTES TRAVEL TIME IF IN A RURAL OR MICROPOLITAN STATISTICAL AREA COUNTY AS SET FORTH IN THE FOLLOWING TABLE.

% OF POPULATION WITHIN 30 (OR 60) MINUTE TRAVEL TIME OF PROPOSED SITE	POINTS AWARDED
APPLICANT WITH HIGHEST PERCENT OF POPULATION	10 PTS
ALL OTHER APPLICANTS	APPLICANT'S PERCENTAGE OF POPULATION DIVIDED BY THE HIGHEST APPLICANT'S PERCENTAGE OF POPULATION, THEN MULTIPLIED BY 7
EXAMPLE: THE HIGHEST APPLICANT HAS 22.5% PERCENT OF POPULATION	10 POINTS
APPLICANT WITH 20.0% PERCENT OF POPULATION	$(20.0 \div 22.5) \times 7 = 6.2$ is 6 POINTS
APPLICANT WITH 15.6% PERCENT OF POPULATION	$(15.6 \div 22.5) \times 7 = 4.9$ is 5 POINTS

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PERCENTAGES OF POPULATION SHALL BE ROUNDED TO THE NEAREST 1/10 (E.G. 21.2%) AND POINTS AWARDED SHALL BE ROUNDED TO THE NEAREST WHOLE NUMBER, I.E. NUMBERS ENDING IN .5 OR HIGHER, ROUND UP, AND NUMBERS ENDING IN .4 OR LOWER, ROUND DOWN.

884 **Section 13. Requirements for approval -- acquisition of AN EXISTING hospital OR RENEW THE**
885 **LEASE OF AN EXISTING HOSPITAL**

886
887 **Sec. 4413. AN APPLICANT PROPOSING TO ACQUIRE AN EXISTING HOSPITAL OR RENEW**
888 **THE LEASE OF AN EXISTING HOSPITAL MUST MEET THE FOLLOWING AS APPLICABLE:**
889

890 ___(1) An applicant proposing to acquire a hospital shall not be required to be in compliance with the
891 needed hospital bed supply for the hospital group in which the hospital subject to the proposed acquisition
892 is assigned if the applicant demonstrates that all of the following are met:

893 (a) the acquisition will not result in a change in bed capacity,
894 (b) the licensed site does not change as a result of the acquisition,
895 (c) the project is limited solely to the acquisition of a hospital with a valid license, and
896 (d) if the application is to acquire a hospital, which was proposed in a prior application to be
897 established as an LTAC or IRF hospital and which received CON approval, the applicant also must meet
898 the requirements of Section 6(2). Those hospitals that received such prior approval are so identified on
899 the Department inventory of beds.

900
901 (2) The applicant shall comply with the following requirements, as applicable:

902 (a) The existing licensed hospital shall have an average adjusted occupancy rate of 40 percent or
903 above.

904 (b) If the existing licensed hospital does not have an average adjusted occupancy rate of 40 percent
905 or above, the applicant shall agree to all of the following:

906 (i) The hospital to be acquired will achieve an annual adjusted occupancy of at least 40% during any
907 consecutive 12-month period by the end of the third year of operation after completion of the acquisition.
908 Annual adjusted occupancy shall be calculated as follows:

909 (a) Calculate the number of adjusted patient days during the most recent, consecutive 12-month
910 period for which verifiable data is available to the Department.

911 (b) Divide the number of adjusted patient days calculated in (a) above by 365 (or 366 if a leap year).

912 (c) If the hospital to be acquired does not achieve an annual adjusted occupancy of at least 40
913 percent, as calculated in (b) above, during any consecutive 12-month period by the end of the third year of
914 operation after completion of the acquisition, the applicant shall relinquish sufficient beds at the existing
915 hospital to raise its adjusted occupancy to 60 percent. The revised number of licensed beds at the
916 hospital shall be calculated as follows:

917 (i) Calculate the number of adjusted patient days during the most recent, consecutive 12-month
918 period where verifiable data is available to the Department, and divide by .60.

919 (ii) Divide the result of subsection (i) above by 365 (or 366 if the 12-month period includes a leap
920 year) and round up to the next whole number or 25, whichever is larger. This is the maximum number of
921 beds that can be licensed at the existing licensed hospital site after acquisition.

922 (d) Subsection (2) shall not apply to excluded hospitals **OR TO THOSE APPLICANTS APPLYING**
923 **UNDER SECTION 13(3).**

924
925 **(3) AN APPLICANT PROPOSING TO RENEW THE LEASE FOR AN EXISTING HOSPITAL SHALL**
926 **NOT BE REQUIRED TO BE IN COMPLIANCE WITH THE NEEDED HOSPITAL BED SUPPLY FOR THE**
927 **HOSPITAL GROUP IN WHICH THE HOSPITAL IS LOCATED, IF ALL OF THE FOLLOWING**
928 **REQUIREMENTS ARE MET:**

929 **(a) THE LEASE RENEWAL WILL NOT RESULT IN A CHANGE IN BED CAPACITY.**

930 **(b) THE LICENSED SITE DOES NOT CHANGE AS A RESULT OF THE LEASE RENEWAL.**

931
932 **(4) SECTION 13(3) DOES NOT APPLY TO RENEWAL OF LEASE FOR LTAC HOSPITAL, IRF**
933 **HOSPITAL OR ALCOHOL AND SUBSTANCE ABUSE HOSPITAL WITHIN AN EXISTING LICENSED,**
934 **HOST HOSPITAL UNDER SECTION 6(2).**

935
936 **Section 4514. Requirements for approval – all applicants**
937

938 Sec. 1514. (1) An applicant shall provide verification of Medicaid participation. An applicant that is a
939 new provider not currently enrolled in Medicaid shall certify that proof of Medicaid participation will be
940 provided to the Department within six (6) months from the offering of services if a CON is approved.
941

942 (2) The applicant certifies all outstanding debt obligations owed to the State of Michigan for Quality
943 Assurance Assessment Program (QAAP) or Civil Monetary Penalties (CMP) have been paid in full.
944

945 (3) The applicant certifies that the health facility for the proposed project has not been cited for a state
946 or federal code deficiency within the 12 months prior to the submission of the application. If a state code
947 deficiency has been issued, the applicant shall certify that a plan of correction for cited state deficiencies
948 at the health facility has been submitted and approved by the Bureau of COMMUNITY AND Health
949 Systems within ~~the Department of Licensing and Regulatory Affairs~~LARA. If a federal code deficiency has
950 been issued, the applicant shall certify that a plan of correction for cited federal deficiencies at the health
951 facility has been submitted and approved by the Centers for Medicare and Medicaid Services. If code
952 deficiencies include any unresolved deficiencies still outstanding with ~~the Department of Licensing and~~
953 ~~Regulatory Affairs~~LARA or the Centers for Medicare and Medicaid Services that are the basis for the
954 denial, suspension, or revocation of an applicant's health facility license, poses an immediate jeopardy to
955 the health and safety of patients, or meets a federal conditional deficiency level, the proposed project
956 cannot be approved without approval from the Bureau of COMMUNITY AND Health Systems or, if
957 applicable, the Centers for Medicare and Medicaid Services.
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959 (4) THE APPLICANT CERTIFIES THAT THE REQUIREMENTS FOR HOSPITALS FOUND IN THE
960 MINIMUM DESIGN STANDARDS FOR HEALTH CARE FACILITIES OF MICHIGAN, REFERENCED IN
961 SECTION 20145 (6) OF THE PUBLIC HEALTH CODE, ACT 368 OF 1978, AS AMENDED, OR ANY
962 FUTURE VERSIONS, AND ARE PUBLISHED BY LARA, WILL BE MET WHEN THE ARCHITECTURAL
963 BLUEPRINTS ARE SUBMITTED FOR REVIEW AND APPROVAL BY LARA.

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Counties assigned to each health service area are as follows:

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
	Clare	Isabella	Sanilac
	Gladwin	Midland	Tuscola
	Gratiot	Ogemaw	
7 - Northern Lower	Alcona	Crawford	Missaukee
	Alpena	Emmet	Montmorency
	Antrim	Gd Traverse	Oscoda
	Benzie	Kalkaska	Otsego
	Charlevoix	Leelanau	Presque Isle
	Cheboygan	Manistee	Wexford
8 - Upper Peninsula	Alger	Gogebic	Mackinac
	Baraga	Houghton	Marquette
	Chippewa	Iron	Menominee
	Delta	Keweenaw	Ontonagon
	Dickinson	Luce	Schoolcraft

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Rural Michigan counties are as follows:

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

Micropolitan statistical area Michigan counties are as follows:

Allegan	Hillsdale	Mason
Alpena	Houghton	Mecosta
Benzie	Ionia	Menominee
Branch	Isabella	Missaukee
Chippewa	Kalkaska	St. Joseph
Delta	Keweenaw	Shiawassee
Dickinson	Leelanau	Wexford
Grand Traverse	Lenawee	
Graiot	Marquette	

Metropolitan statistical area Michigan counties are as follows:

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

Source:

75 F.R., p. 37245 (June 28, 2010)
 Statistical Policy Office
 Office of Information and Regulatory Affairs
 United States Office of Management and Budget

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OCCUPANCY RATE TABLE

HOSPITAL GROUP PROJECTED BED ADC		OCCUPANCY RATE	ADJUSTED BED RANGE	
ADC_LOW	ADC_HIGH		BEDS_LOW	BED S_HIGH
30	31	60%	50	52
32	35	61%	53	58
36	39	62%	59	53
40	45	63%	64	72
46	50	64%	72	79
51	58	65%	79	90
59	67	66%	90	102
68	77	67%	102	115
78	88	68%	115	130
89	101	69%	129	147
102	117	70%	146	168
118	134	71%	167	189
135	154	72%	188	214
155	176	73%	213	242
177	204	74%	240	276
205	258	75%	274	344
259	327	76%	341	431
328	424	77%	426	551
425	561	78%	545	720
562	760	79%	712	963
761	895	80%	952	1119

LIMITED ACCESS AREAS

Limited access areas and the hospital bed need, effective November 1, 2014, for each of those areas are identified below. The hospital bed need for limited access areas shall be changed by the Department in accordance with section 2(1)(x) of these standards, and this appendix shall be updated accordingly.

LIMITED ACCESS AREA	BED NEED	PREDICTED PATIENT DAYS
1 Upper Peninsula	196	51,102
2 West Northern Lower Peninsula	310	84,639
3 East/Central Northern Lower Peninsula	127	31,383

Sources:

- 1) Michigan State University
 Department of Geography
 Acute Care Hospital Bed Need and Limited Access Areas – 2014 Update
 August 6, 2014
- 2) Section 4 of these standards

ICD-9-CM TO ICD-10-CM Code Translation

ICD-9 CODE	Description	ICD-10 Code	Description
290 through 319	Psychiatric Patients	F01.50-F99	Mental, Behavioral, and Neurodevelopmental Disorders

"ICD-9-CM Code" means the disease codes and nomenclature found in the International Classification of Diseases - 9th Revision - Clinical Modification, prepared by the Commission on Professional and Hospital Activities for the U.S. National Center for Health Statistics.

"ICD-10-CM Code" means the disease codes and nomenclature found in the International Classification of Diseases - 10th Revision - Clinical Modification, National Center for Health Statistics.