

1 **Program Requirements for**
2 **Residency Education in Pediatrics**

3 **Bold = Common Program Requirements; Underlining indicates revision.**
4

5 **I. Introduction**
6

7 This document represents a step towards a competency-based system of pediatric
8 education and training. The remnants of the structure/process system are still evident in
9 this document in order to facilitate the transition and ensure some familiar infrastructure
10 while we develop and study new methods to assess education outcomes in our training
11 programs. Residency programs in pediatrics must provide 3 years of consecutive training
12 that involve progressive responsibility.
13

14 A. Duration and Scope of Training
15

16 Programs must provide residents with a broad exposure to the health care of
17 children and substantial experience in the management of diverse pathologic
18 conditions. This must include experience in child health supervision and those
19 conditions commonly encountered in primary care practice. It must also include
20 experience with a wide range of acute and chronic medical conditions of
21 pediatrics in both the inpatient and ambulatory settings.
22

23 Programs must provide a progressive educational experience with increasing
24 patient care responsibility over a 3-year period. The first year should include an
25 introduction to the basic experiences on which the rest of the training will be
26 based. During the last 24 months of training, the program must require at least 5
27 months of supervising the activities of more junior residents within the approved
28 educational settings. The supervisory responsibilities must involve both inpatient
29 and outpatient experience.
30

31 Throughout the 3 years of training, emphasis must be placed on enhancement of
32 residents' competence in the medical interview, physical examination, and
33 communication and interpersonal skills. Preventive health care, ethical issues,
34 and discussions of the cost of diagnostic tests, procedures, and therapies should be
35 a part of all rotations.
36

37 B. Goal of the Residency
38

39 The goal of residency training in pediatrics is to provide educational experiences
40 that prepare residents to be competent general pediatricians able to provide
41 comprehensive, coordinated care to a broad range of pediatric patients. The
42 residents' educational experiences must emphasize the competencies and skills
43 needed to practice general pediatrics of high quality in the community. In
44 addition, residents must become sufficiently familiar with the fields of
45 subspecialty pediatrics to enable them to participate as team members in the care
46 of patients with chronic and complex disorders.

47
48 Residents must be given the opportunity to function with other members of the
49 health care team in both inpatient and ambulatory settings to become proficient as
50 leaders in the organization and management of patient care.

51
52 **II. Institutions**

53
54 **A. Sponsoring Institution**

55
56 **One sponsoring institution must assume ultimate responsibility for the**
57 **program, as described in the Institutional Requirements, and this**
58 **responsibility extends to resident assignments at all participating institutions.**

59
60 **B. Participating Institutions**

61
62 **1. Assignment to an institution must be based on a clear educational**
63 **rationale, integral to the program curriculum, with clearly-stated**
64 **activities and objectives. When multiple participating institutions are**
65 **used, there should be assurance of the continuity of the educational**
66 **experience.**

67
68 **2. Assignment to a participating institution outside the primary teaching**
69 **site for one month or longer requires a specific letter of agreement**
70 **with the sponsoring institution. Such a letter of agreement should:**

71
72 **a) identify the faculty who will assume both educational and**
73 **supervisory responsibilities for residents;**

74
75 **b) specify their responsibilities for teaching, supervision, and**
76 **formal evaluation of residents, as specified later in this**
77 **document;**

78
79 **c) specify the duration and content of the educational experience;**
80 **and**

81
82 **d) state the policies and procedures that will govern resident**
83 **education during the assignment.**

84
85 **C. Assignment to Integrated/Affiliated Institutions**

86
87 An accredited program may be independent or may occur in two or more
88 institutions that develop formal agreements and conjoint responsibilities to
89 provide complementary facilities, teaching staff, and teaching sessions. When
90 affiliated institutions are utilized and a single program director assumes
91 responsibility for the entire residency, including the appointment of all residents,
92 the determination of all rotations, and the assignment of both residents and

93 members of the teaching staff, the affiliated institution may be proposed as
94 integrated. Ordinarily, a hospital may not be an integrated part of more than 1
95 pediatric residency and a program may not propose the primary teaching site of
96 another accredited program as an integrated participant. The RRC must approve
97 the designation of a participating hospital as integrated. In making its
98 determination, the RRC will consider the proximity of the hospital to the primary
99 teaching site and the duration of rotations planned. Normally, at least 3 months of
100 required experience should occur at a hospital that is designated as integrated. A
101 significant increase in the time spent at an integrated hospital should receive prior
102 approval from the RRC. Within a single program some participating hospitals
103 may qualify as integrated, while others are merely affiliated.

104
105 Although no limit is placed on the duration of rotations to institutions that are
106 integrated with the primary hospital's pediatric program (although the duration
107 must have RRC approval), rotations to participating institutions that are not
108 integrated with the primary hospital may not exceed a total of 9 months during the
109 3 years of training. No more than 3 months of these outside rotations may be in
110 institutions that do not have their own pediatric residencies.

111
112 Rotations to other programs should enrich but not replace core experiences.
113 When residents rotate to an institution that has its own accredited pediatric
114 residency, the rotating residents must be fully absorbed into the prevailing pattern
115 of instruction and patient care at the same level as the pediatric residents of that
116 affiliated institution.

117
118 Residency programs that offer training to residents from other pediatric
119 residencies must provide instruction and experience equivalent to that given to
120 their own residents. They should enter into agreement with other programs only
121 if they are prepared to absorb those residents into the prevailing pattern of
122 education and patient care.

123 124 **III. Program Personnel and Resources**

125
126 The Chief of Pediatrics/Department Chair must have overall responsibility for all
127 educational programs that are carried on within the Department of Pediatrics, including
128 those in the subspecialties. All program descriptions submitted to the RRC from this
129 department must bear this person's signature, in addition to that of the DIO and the
130 program director, indicating that the Chief or Chair has reviewed and approved the
131 materials submitted.

132 133 **A. Program Director**

- 134
135 **1. There must be a single program director responsible for the program.**
136 **The person designated with this authority is accountable for the**
137 **operation of the program. Given the differences in training programs,**
138 **there may be flexibility in defining program leadership, provided there is a**

139 minimum of 0.75 FTE dedicated to this aspect of the residency program
140 that is financially supported by the institution. The program director must
141 be supported for at least 50% professional effort dedicated to the
142 educational program, or at least 20 daytime hours per week. If that is the
143 case, there must be another key faculty member who contributes 25%
144 assisting the program director, i.e., 1 program director at 50 % time and 1
145 key faculty/associate program director at 25% time (see Faculty section
146 below).

147
148 **In the event of a change of either program director or department**
149 **chair, the program director should promptly notify the executive**
150 **director of the Residency Review Committee (RRC) through the Web**
151 **Accreditation Data System of the Accreditation Council for Graduate**
152 **Medical Education (ACGME).**

153
154 **2. The Program Director, together with the faculty, is responsible for the**
155 **general administration of the program, and for the establishment and**
156 **maintenance of a stable educational environment. Adequate lengths**
157 **of appointment for both the program director and faculty are**
158 **essential to maintaining such an appropriate continuity of leadership.**

159
160 **3. Qualifications of the program director are as follows:**

161
162 **a) The program director must possess the requisite specialty**
163 **expertise, as well as documented educational and**
164 **administrative abilities.**

165
166 **b) The program director must be certified in the specialty by the**
167 **American Board of Pediatrics, or possess qualifications judged**
168 **to be acceptable by the RRC.**

169
170 **c) The program director must be appointed in good standing and**
171 **based at the primary teaching site.**

172
173 **4. Responsibilities of the program director are as follows:**

174
175 **a) The program director must oversee and organize the activities**
176 **of the educational program in all institutions that participate**
177 **in the program. This includes selecting and supervising the**
178 **faculty and other program personnel at each participating**
179 **institution, appointing a local site director, and monitoring**
180 **appropriate resident supervision at all participating**
181 **institutions.**

182
183 **b) The director is responsible for preparing an accurate statistical**
184 **and narrative description of the program as requested by the**

185 RRC, as well as updating annually both program and resident
186 records through the ACGME's Accreditation Data System.

- 187
- 188 c) The program director must ensure the implementation of fair
189 policies, grievance procedures, and due process, as established
190 by the sponsoring institution and in compliance with the
191 Institutional Requirements.
- 192
- 193 d) The program director must seek the prior approval of the
194 RRC for any changes in the program that may significantly
195 alter the educational experience of the residents. Such changes,
196 for example, may include: the addition or deletion of a
197 participating institution; a change in the format of the
198 educational program; and/or a change in resident complement.

199

200 A modest change in the resident complement may be made without
201 prior RRC approval if the program has the necessary resources to
202 train the additional resident(s) without diluting the experience of
203 those already in the program. A program that plans to implement
204 such an increase should review the most recent letter of
205 notification from the RRC for any citations pertaining to resources.
206 Any such citations should be addressed prior to implementing an
207 increase in complement. Proposed increases must be reported
208 electronically through the ACGME Web Accreditation Data
209 System (WebADS.)

210

211 **On review of a proposal for any major change in a program,**
212 **the RRC may determine that a site visit is necessary.**

213

214

215 **B. Faculty**

- 216
- 217 1. Sponsoring institutions must provide the requisite numbers of key faculty
218 based on program size. **At each participating institution, there must be**
219 **a sufficient number and diversity of faculty with documented**
220 **qualifications to instruct, supervise adequately, and function as general**
221 **pediatrician and subspecialist role models for all residents in the**
222 **program.**

223

224 If the program director receives institutional support for 50% time
225 dedicated to the program, there must be an institutionally supported key
226 faculty member or associate program director (defined as at least 25%
227 time) who assists the program director in the administrative and clinical
228 oversight of the educational program. Additional key faculty, as defined
229 above, are required as follows based on program size: for 30–60 residents
230 (consider combined residents as 1 FTE, not 0.5 FTE) 1 additional key

231 faculty; for 61-90 resident, 2 additional key faculty; and for more than 90
232 residents, 3 additional key faculty.

233
234 In addition to the key faculty noted above, all programs should have one
235 person who functions as a liaison between the residents and faculty. This
236 may be either a PGY-4 resident/junior faculty member, or a PGY-3
237 resident who is relieved of all other clinical responsibilities during the
238 time s/he is acting in the liaison role. Additional support is required as
239 follows, based on program size: for 30–60 categorical residents, 1
240 additional liaison; 61-90 categorical residents 2 additional liaisons; and for
241 more than 90 categorical residents, 3 additional liaisons. These numbers
242 reflect minimum support and may need to be increased in programs using
243 multiple sites for training and/or those that sponsor combined training
244 programs.

245
246 Within the primary hospital and/or integrated participating hospitals, there
247 must be teaching staff with expertise in the area of general pediatrics who
248 will serve as teachers, researchers, and role models for general pediatrics.
249 These physicians should have a continuing time commitment to direct
250 patient care to maintain their clinical skills. Hospital-based as well as
251 community-based general pediatricians should participate actively in the
252 program as leaders of formal teaching sessions, as outpatient preceptors,
253 and as attending physicians on the general inpatient services. The number
254 of general pediatricians actively involved in the teaching program must be
255 sufficient to enable each resident to establish close working relationships
256 that foster role-modeling. Where teaching staff participate on a part-time
257 basis, there must be evidence of sufficient involvement and continuity in
258 teaching.

259
260 Similarly, within the primary hospital and/or integrated participating
261 hospitals, there must be qualified teaching staff with subspecialty expertise
262 who will serve as teachers, researchers, and role models for the residents.
263 Specifically, there must be teaching staff with training and/or experience
264 in behavioral and developmental pediatrics and in adolescent medicine.
265 Within the primary hospital and/or integrated participating hospitals, there
266 must also be teaching staff in at least 5 of the listed pediatric
267 subspecialties (see Section V. B. 2. d) from which the 4 required 1-month
268 rotations must be chosen. These pediatric subspecialists must function on
269 an ongoing basis as integral parts of the clinical and didactic components
270 of the program in both outpatient and inpatient settings.

271
272 A surgeon having significant experience with pediatric patients must play
273 a major role in the residents' education with respect to surgical diagnoses
274 and preoperative and postoperative care. A pathologist and a radiologist
275 who have significant experience with pediatric problems and who interact
276 regularly with the pediatric residents are also essential.

277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322

2. **The faculty, furthermore, must devote sufficient time to the educational program to fulfill their supervisory and teaching responsibilities. They must demonstrate a strong interest in the education of residents, and must support the goals and objectives of the educational program of which they are members.** A measure of the commitment of the teaching staff to the pediatrics program is the degree to which patients under their care are available for resident education.
3. **Qualifications of the physician faculty are as follows:**
 - a) **The physician faculty must possess the requisite specialty expertise and competence in clinical care and teaching, as well as documented educational and administrative abilities and experience in their field.**
 - b) **The physician faculty must be certified in the specialty and in their subspecialty area, where appropriate, by the American Board of Pediatrics, or possess qualifications judged to be acceptable by the RRC.** Each time the program is evaluated by the RRC it is the responsibility of the program director to provide evidence of appropriate qualifications for teaching staff who lack board certification.
 - c) **The physician faculty must be appointed in good standing to the staff of an institution participating in the program.**
4. **The responsibility for establishing and maintaining an environment of inquiry and scholarship rests with the faculty, and an active research component must be included in each program. *Scholarship* is defined as the following:**
 - a) **The scholarship of *discovery*, as evidenced by peer-reviewed funding or by publication of original research in a peer-reviewed journal;**
 - b) **The scholarship of *dissemination*, as evidenced by review articles or chapters in textbooks;**
 - c) **The scholarship of *application*, as evidenced by the publication or presentation of, for example, case reports or clinical series at local, regional, or national professional and scientific society meetings.**

Complementary to the above scholarship is the regular participation of the teaching staff in clinical discussions, rounds, journal clubs, and

323 research conferences in a manner that promotes a spirit of inquiry
324 and scholarship; the offering of guidance and technical support (e.g.,
325 research design and statistical analysis for residents involved in
326 research); and the provision of support for residents' participation, as
327 appropriate, in scholarly activities.
328

329 **5. Qualifications of the nonphysician faculty are as follows:**

- 330
- 331 a) **Nonphysician faculty must be appropriately qualified in their**
 - 332 **field.**
 - 333
 - 334 b) **Nonphysician faculty must possess appropriate institutional**
 - 335 **appointments.**
 - 336

337 **C. Other Program Personnel**

338

339 **Additional necessary professional, technical, and clerical personnel must be**

340 **provided to support the administration of the program.**

341

342 Teaching by other health professionals such as nurses, pharmacists, social

343 workers, child-life specialists, physical and occupational therapists, speech and

344 hearing pathologists, respiratory therapists, psychologists, and nutritionists is

345 highly desirable.

346

347 For administrative support, each training program must have one staff level

348 residency coordinator who devotes 100% effort to the residency program.

349 Additional support is required as follows, based on program size: 30-60 residents,

350 one full-time administrative assistant; for 61-90 residents, two administrative

351 assistants; and for programs with more than 90 residents, 3 administrative

352 assistants to the full time residency coordinator.

353

354 **D. Resources**

355

356 **The program must ensure that adequate resources (e.g., sufficient laboratory**

357 **space and equipment, computer and statistical consultation services) are**

358 **available.**

359

360 **1. Inpatient and Outpatient Facilities**

361

362 The inpatient and outpatient facilities must be adequate in size and variety,

363 and must have the appropriate equipment necessary for a broad

364 educational experience in pediatrics.

365

366 There must be an emergency facility that is appropriately equipped and

367 staffed for the care of pediatric patients. The program must also have an

368 intensive care facility that is appropriately equipped and staffed for the

369 care of a sufficient number of seriously ill pediatric patients to provide
370 adequate experience for the number of residents in the program.

371
372 2. Medical Databases

373
374 There must be access to an on-site library or electronic access to a
375 collection of appropriate texts and journals in each institution participating
376 in the residency program. Access must be readily available during nights
377 and weekends.

378
379 3. Patient Population

380
381 Programs must provide residents with patient care experience in both
382 inpatient and outpatient settings. A sufficient number, variety, and
383 complexity of patients, ranging in age from infancy through young
384 adulthood, must be present. A deficient or excessive patient load may
385 jeopardize the accreditation status of the program.

386
387 **IV. Resident Appointments**

388
389 **A. Eligibility Criteria**

390
391 **The program director must comply with the criteria for resident eligibility as**
392 **specified in the Institutional Requirements.**

393
394 **B. Number of Residents**

395
396 Because peer interchange is a very important component of the learning process,
397 each program is expected to recruit and retain a sufficient number of qualified
398 residents to fulfill the need for peer interaction among those training in pediatrics.
399 An inability to recruit the required minimum number of residents and/or a high
400 rate of resident attrition from a program over a period of years will be a cause of
401 concern to the RRC.

402
403 Residents at more than one level of training must interact in the care of inpatients,
404 allowing for frequent and meaningful discussion during all phases of the training
405 program (e.g., neonatal, outpatient, inpatient, and emergency services). To
406 achieve this, a program should offer a minimum total of 12 resident positions, i.e.,
407 4 at each level, exclusive of subspecialty residents. Except for periods of
408 transition, the same number of positions should be offered in each of the 3 years
409 of training. The RRC will consider the presence of residents from combined
410 pediatrics programs, e.g., medicine/pediatrics or pediatrics/emergency medicine,
411 when it evaluates the adequacy of the resident complement and of peer
412 interaction. The total number of residents from combined programs should not be
413 so large as to have a negative effect on the education of categorical residents.

414

415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458

C. Resident Transfers

To determine the appropriate level of education for a residents who are transferring from another residency program, the program director must receive written verification of previous educational experiences and a statement regarding the performance evaluation of the transferring resident prior to their acceptance into the program. This documentation should be available for review by the site visitor. A program director is required to provide verification of residency education for residents who may leave the program prior to completion of their education.

D. Appointment of Fellows and Other Students

The presence of residents from other specialties or programs who rotate on the pediatric service must not dilute the experience and peer interaction of the pediatric residents.

V. Program Curriculum

A. Program Design

1. Format

The program design and sequencing of educational experiences will be approved by the RRC as part of the review process. Each program must describe a core curriculum that complies with the RRC's requirements and in which all residents participate. All residents in the program must have a minimum of 18 months of training in common. In addition, programs that utilize multiple hospitals or that offer more than one track must provide evidence of a unified educational experience for each resident.

2. Goals and Objectives

The program must possess a written statement that outlines its educational goals with respect to the knowledge, skills, and other attributes of residents for each major assignment and for each level of the program. This statement must be distributed to residents and faculty, and must be reviewed with residents prior to their assignments.

B. Specialty Curriculum

459 **The program must possess a well-organized and effective curriculum, both**
460 **didactic and clinical. The curriculum must also provide residents with direct**
461 **experience in progressive responsibility for patient management.**
462

463 The ACGME Competencies were used as the basis for organizing this section of
464 the requirements.

465 1. PATIENT CARE

466 **Residents must be able to provide family-centered patient care that is**
467 **culturally effective, developmentally and age appropriate,**
468 **compassionate, and effective for the treatment of disease and the**
469 **promotion of health.**
470
471

472
473 The pediatric patients that must be available for resident education range
474 in age from infancy through young adulthood. Residents must be exposed
475 to a diverse population of patients in various clinical settings. The
476 program must provide evidence of the breadth and depth of inpatient
477 experience in the format determined by the Residency Review Committee.
478

479 In keeping with the current focus of health care delivery, which is in the
480 ambulatory setting, a minimum of 40% and a maximum of 60% of clinical
481 training should be devoted to ambulatory experiences. These experiences
482 include all assignments in the continuity practice, emergency and acute
483 care, and community-based practices, as well as the ambulatory portion of
484 normal/term newborn, subspecialty, developmental/behavioral, and
485 adolescent experiences.
486

487 Residents must be given progressive responsibility under close faculty
488 supervision within a team that fosters peer and supervisory interchange.
489 The availability of consultative resources appropriate to the patient base
490 must be ensured, while allowing residents to participate in the full
491 spectrum of patient care from admission through discharge in the inpatient
492 setting, and from intake through follow-up in the outpatient setting.
493

494 The patient load for residents at all levels of training should allow time for
495 close and effective management and detailed study of patients, yet should
496 challenge residents with diverse and complex problems at increasing
497 levels of responsibility. Indicators for a satisfactory patient care
498 experience include: adequate numbers of patients, diversity of diagnoses,
499 and acuity/complexity of the patients.
500

501 Residents should demonstrate competence in the following elements of
502 patient care:
503

- 504 a) Gathering essential and accurate information about the patient.

505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549

The history and physical examination serve as the basic foundation upon which all of clinical medicine is built. Programs must ensure that residents can perform a detailed and accurate history and physical examination appropriate for the context of the age and developmental level of the patient. In the initial stages of training, this should be demonstrated for patients with routine diagnoses. By the end of residency training, programs should document resident competence in history-taking and physical examination for any patient.

Residents should be able to:

- (1) Interview patients/families about the particulars of the medical condition for which they seek care, with specific attention to behavioral, psycho social, environmental, and family unit correlates of disease
- (2) Perform complete and accurate physical examinations.

To document the achievement of competence for this element of Patient Care, residents must be evaluated performing histories and physical examinations. This must be accomplished through direct observation using a structured approach with different evaluators in different settings (e.g., documentation by the faculty in the adolescent clinic that the resident is capable of performing a pelvic exam).

- b) Making informed diagnostic and therapeutic decisions.
- c) Developing and carrying out management plans.

The program must ensure that residents have the opportunity for independent evaluation, management, and coordination of care under the guidance of faculty. It is not an appropriate educational experience if the above are accomplished by attending physicians without resident involvement. Residents must demonstrate progressive autonomy over the course of training that affords them the ability to act in a supervisory role under the guidance of faculty. A minimum of 5 supervisory months is required.

Programs must provide opportunities for the following:

- (1) Independent evaluation and development of a differential diagnosis, diagnostic work-up, therapeutic management,

- 550 coordination of care, and discharge planning under faculty
551 guidance;
- 552
- 553 (2) Diagnosis and management of acute episodic medical
554 illness, such as meningitis, sepsis, dehydration, pneumonia,
555 diarrhea, renal failure, seizure, coma, hypotension,
556 hypertension, and respiratory illnesses;
- 557
- 558 (3) Diagnosis and management of acute problems associated
559 with chronic diseases, such as diabetic ketoacidosis, status
560 asthmaticus, status epilepticus, oncologic therapy and
561 complications, congenital heart disease, cystic fibrosis,
562 chronic renal disease, gastrointestinal disorders, hepatic
563 failure, metabolic disorders, neurologic disorders, and
564 rheumatologic disorders;
- 565
- 566 (4) Pediatric aspects of the management of surgical patients,
567 both preoperatively and postoperatively, including
568 interaction with the surgical team.
- 569

570 In addition to the above each resident should demonstrate the
571 following:

572

- 573 (5) Ability to determine which patients require in-hospital care
574 and why, including medical, psychosocial, and
575 environmental considerations;
- 576
- 577 (6) Skills in deciding which patients can be managed in a
578 general inpatient and which require higher levels of care
579 and expertise in a critical care unit;
- 580
- 581 (7) Ability to select and interpret appropriate studies in the
582 evaluation of patients;
- 583
- 584 (8) Ability to utilize best evidence to determine therapeutic
585 management;
- 586
- 587 (9) Ability to work with a health care team, including, but not
588 limited to, nursing, child life therapy, social services,
589 physical therapy, occupational therapy, and case managers
590 for discharge planning;
- 591
- 592 (10) Appropriate utilization of consultants.
- 593

594 Supervising residents/faculty must document the resident's ability
595 to make diagnostic and therapeutic decisions based on best

596 evidence and to develop and carry out management plans. This
597 may be accomplished through direct observation in the clinical
598 setting, by chart reviews or chart stimulated recall, faculty review
599 of completed case-based modules, an observed structured clinical
600 examination (OSCE), or some combination of these or other
601 methods.

602
603
604 d) Prescribing and performing all medical procedures.

605
606 The program must teach residents those procedural skills
607 appropriate for a general pediatrician in both hospital and
608 ambulatory settings. Residents must demonstrate knowledge of
609 the indications, contraindications, and complications to be able to
610 obtain informed consent for each of the required procedures. An
611 important aspect of respect and compassion for the patient requires
612 one to address the pain associated with procedures. Supervision of
613 residents should occur until they demonstrate the necessary skill
614 for independent practice. These educational experiences should be
615 graduated so that residents build and maintain skills throughout the
616 training program.

617
618 Each program must provide sufficient training in the following
619 skills:

- 620 (1) Basic and advanced life support
- 621 (2) Endotracheal intubation
- 622 (3) Placement of intraosseous lines (demonstration in a skills
623 lab or PALS course is sufficient)
- 624 (4) Placement of intravenous lines
- 625 (5) Arterial puncture
- 626 (6) Venipuncture
- 627 (7) Umbilical artery and vein catheterization
- 628 (8) Lumbar puncture
- 629 (9) Bladder catheterization
- 630 (10) Gynecologic evaluation of prepubertal and postpubertal
631 females
- 632
- 633
- 634
- 635
- 636
- 637
- 638
- 639
- 640
- 641

642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687

- (11) Wound care and suturing of lacerations
- (12) Subcutaneous, intradermal, and intramuscular injections
- (13) Developmental screening test.
- (14) Procedural sedation
- (15) Pain management

In addition, programs should provide exposure to the following procedures or skills:

- (16) Circumcision
- (17) Tympanometry and audiometry interpretation
- (18) Vision screening
- (19) Hearing screening
- (20) Simple removal of foreign bodies, e.g., from ears or nose
- (21) Inhalation medications
- (22) Incision and drainage of superficial abscesses
- (23) Reduction and splinting of simple dislocations/fractures
- (24) Chest tube placement
- (25) Thoracentesis

The program must document instruction in the performance of procedures including indications, contraindications and complications. Residents must use the on-line log provided by the ACGME to record their procedures. The program director must document the competence of each resident. The program must also document that residents have completed training in both Pediatric Advanced Life Support and the Neonatal Resuscitation Program.

e) Counseling patients and families.

Pediatricians serve as both caregivers and educators for patients and their families in order that they may participate in shared

688 decision making. An important component of this process is the
689 ability to deliver both good and bad news in a sensitive and
690 professional manner.

691 Faculty must document effective counseling of patients and
692 families by residents based on direct observation and comment
693 from patients and families.

694
695
696 f) Providing effective health maintenance and anticipatory guidance.

697
698 As a primary care specialty, pediatrics has a major focus on
699 preventive health care in the context of the family and the
700 environment. While continuity of care is an important component
701 of any clinical experience, a continuity clinic where the resident
702 assumes responsibility for the comprehensive care of a group of
703 patients is an essential component of training. Residents must be
704 able to develop therapeutic relationships with patients and families,
705 coordinate the care of children with complex and multiple
706 problems, and provide child health supervision with an emphasis
707 on age and developmentally appropriate anticipatory guidance and
708 screening.

709
710 Residents must be able to:

- 711
712 (1) provide health supervision to patients of all ages from
713 newborn through adolescence and into young adulthood
714 where appropriate;
715
716 (2) provide anticipatory guidance regarding developmental
717 issues and preventive health care;
718
719 (3) implement age-appropriate screening, including oral health;
720
721 (4) manage patients with chronic disease by coordinating the
722 care rendered by other health care providers.

723
724 Faculty must document that residents possess the necessary
725 knowledge, skills, and attitudes to provide longitudinal primary
726 care to patients.

727
728 g) Using information technology to optimize patient care.

729
730 Programs should emphasize the resident's use of basic computer
731 skills, techniques for electronic retrieval of the medical literature,
732 and the use of electronic information networks.

734 The program must document the resident's ability to use the
735 information technology systems within the clinical setting and to
736 apply the information to patient care.
737

738 2. **MEDICAL KNOWLEDGE.**
739

740 **Residents must demonstrate knowledge of established and evolving**
741 **biomedical, clinical, epidemiological and social-behavioral sciences,**
742 **and the application of this knowledge to patient care .**
743
744

745 In addition to knowledge content, it is critical that residents demonstrate
746 their ability to acquire/access new knowledge, interpret the evidence they
747 uncover, and then apply it in the clinical setting.
748

749 Each trainee should demonstrate competence in the following elements of
750 medical knowledge:
751

- 752 a) Knowing the basic and clinically supportive sciences, which are
753 appropriate to pediatrics.
754

755 The patient population available for resident education on the
756 inpatient service must be of sufficient number, age distribution,
757 and variety of complex and diverse pathology to assure the
758 residents of adequate experience with infants, children, adolescents
759 and young adults, where appropriate, who have acute and chronic
760 illnesses, as well as with those with life-threatening conditions.
761

762 (1) Inpatient
763

764 Resident experience on the inpatient service must be for a
765 minimum of 5 months. A variety of patient experiences
766 will meet this requirement including general pediatric
767 patients, mixed non-intensive care subspecialty patients, or
768 a single group of non-intensive care subspecialty patients.
769 No more than 1 of the 5 required months may be devoted to
770 the care of patients in a single subspecialty.
771

772 Residents at more than one level of training must interact in
773 the care of inpatients. Residents on the inpatient service
774 must be supervised by pediatric faculty who have extensive
775 experience in and knowledge of the care of pediatric
776 patients with illnesses of sufficient severity to warrant
777 hospitalization. The utilization of general pediatricians in
778 this role is encouraged, provided that consultative services
779 from pediatric subspecialists and other specialists

780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825

appropriate to the patient population are readily available. Breadth and depth of experience will be periodically reviewed by the RRC. A first-year resident should have direct responsibility for an average daily minimum of 5 inpatients. If the minimum number of patients is not met, resident inpatient logs will be required to attest to the adequacy of the experience.

Regularly-scheduled teaching rounds must be conducted by qualified generalists and subspecialists who are directly involved in patient care. Rounds should be targeted to the knowledge and skills required of a general pediatrician, and should emphasize the appropriate utilization of subspecialist colleagues. The correlation of the pathophysiologic basis of the disease process should be stressed. During ward rotations, there must be teaching rounds that are patient-based and that address such areas as interpretation of clinical data, pathophysiology, differential diagnosis, cost-effective management of the patient, and the appropriate use of technology and disease prevention. These rounds must be held at least 3 times per week, and may not be replaced by rounds that are primarily work-oriented.

In-house call or night call is defined as those duty hours beyond the normal workday when residents are required to be immediately available in the assigned institution. In addition to providing patient care, the purposes of night call include the following: 1) learning the evolution of disease through continuity of patient care over an extended period of time; 2) cumulative acquisition and maintenance of skills; and 3) fostering progressive independent decision-making. A night float system may be used. *Night float* is defined as those duty hours restricted to evening and overnight hours in a block format when residents are required to be present in the assigned institution. During a night float rotation residents do not have daytime responsibilities. Structured night float rotations for which there are formal goals and objectives and a specific evaluation component and that provide an educational experience (i.e., both rounds and conferences with faculty), may count for 1 of the 5 required months on non-intensive care inpatient services.

(2) Emergency and Acute Illness Experience

826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871

The experience in emergency and acute illness must constitute a minimum of four months. Two of these months should be in emergency medicine, of which the equivalent of 1 month may be completed longitudinally. At least 1 of these months must be a block rotation in an emergency department that serves as the receiving point for EMS transport and ambulance traffic and is the access point for seriously-injured and acutely-ill pediatric patients. This may be either a pediatric emergency department or a combined pediatric/adult emergency department. Assignment to an acute care center or walk-in clinic to which patients are triaged from the emergency department will not fulfill this requirement.

The remaining required experience may be in the emergency department or, if patients are available in sufficient numbers, in another setting where acutely-ill pediatric patients are seen. Optional sites may include walk-in clinics, or acute care centers. Preferably, this experience would be as a block rotation, but integration into other longitudinal experiences is acceptable if the required duration and the educational goals and objectives can be met and documented and appropriate supervision ensured.

The experience must be designed to develop resident competence in managing unselected and unscheduled patients with acute illness and injury of varying degrees of severity, from very minor to life-threatening.

Specific objectives of this experience must include but not be limited to development of skills in the following: evaluation and care of patients with acute illnesses or injuries of varying degrees of severity; resuscitation, stabilization, and triage of patients after initial evaluation; interaction with other professionals involved in emergency care in the emergency department, including the trauma team; emergency physicians; specialists in surgery, anesthesia, radiology, relevant pediatric and surgical subspecialties; dentists; and others as appropriate; interaction with emergency medical personnel in the provision of pre-hospital care for acutely-ill or -injured patients, which at minimum includes telephone contact and either preparation of patients for transport or receipt of patients who have been transported via the EMS system.

872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916

The program director must ensure that the pediatric residents have first-contact evaluation of pediatric patients and continuous on-site supervision. It is not a sufficient educational experience if the pediatric resident functions only on a consultative basis or deals only with a pre-selected patient population. Residents in these settings must have on-site supervision by board-certified emergency medicine specialists with expertise in the care of pediatric patients, or by members of the pediatric teaching staff who have documented experience in the care of acute pediatric illnesses and injuries.

Residents should have the opportunity to work on a multidisciplinary clinical team to learn the role of the general pediatrician in such a setting. A system for patient outcome feedback to the resident should be established. The resident's performance must be evaluated on a regular basis by staff directly involved in the acute and emergency care experience, and appropriate feedback must be provided to the resident and to the program director.

The pediatric residents' major responsibility must be for an appropriate range of pediatric patients, although they may be called on to care for some adult patients to ensure adequate volume and diversity. Programs that share the emergency and acute illness patient base with other training programs, such as emergency medicine, pediatric emergency medicine, and family practice, must document that a sufficient and appropriately diverse pediatric patient population is available to the pediatric residency program. Residents must have ready access to major medical databases.

The comprehensive experience for all residents should include but not be limited to the following disorders, and should emphasize the pathophysiologic correlates of the clinical situations:

- (a) Acute major and minor medical problems including but not limited to respiratory infection, respiratory failure, cardiopulmonary arrest, dehydration, coma, seizures, diabetic ketoacidosis, asthma, skin disorders, pyelonephritis, sepsis, shock, fever, and childhood exanthems;

- 917 (b) Acute manifestations/exacerbations of chronic
- 918 diseases;
- 919
- 920 (c) Acute major and minor surgical problems including
- 921 but not limited to appendicitis, bowel obstruction,
- 922 burns, foreign body inhalation and ingestion,
- 923 abscess drainage, and head trauma;
- 924
- 925 (d) Poisonings and ingestion;
- 926
- 927 (e) Physical and sexual abuse;
- 928
- 929 (f) Minor trauma (including splinting, casting, and
- 930 suturing);
- 931
- 932 (g) Major trauma (including active participation with
- 933 the trauma team);
- 934
- 935 (h) Participation in prehospital management and
- 936 transport;
- 937
- 938 (i) Acute psychiatric, behavioral, and psychosocial
- 939 problems;
- 940
- 941 (j) Admission or discharge planning, including
- 942 communication with the personal physician.

943

944 (3) Continuity Experience

945

946 A program must document a half-day session for a

947 minimum of 36 clinic weeks per year for each resident

948 throughout the three years of training. The program must

949 provide adequate continuity experience for all residents to

950 allow them the opportunity to develop an understanding of

951 and appreciation for the longitudinal nature of general

952 pediatric care, including aspects of physical and emotional

953 growth and development, health promotion/disease

954 prevention, management of acute, chronic, and end-of-life

955 medical conditions, family and environmental impacts,

956 coordination of patient-centered care both within the

957 practice and with multidisciplinary providers, and practice

958 management. The scope of each resident's continuity clinic

959 patient population must be documented with a log that

960 includes age, diagnoses, and encounter dates.

961

962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007

The program must ensure that residents are exposed to a continuity-patient population sufficient in number and of adequate variety to meet the educational objectives. It must include well patients and those with complex and chronic problems. Patients initially managed in the normal newborn nursery, emergency department, inpatient service, intensive care unit (pediatric and neonatal), subspecialty clinics, and other sites may be enrolled in the residents' panels.

Residents must see progressive numbers of continuity patients, with a minimum of 3 patients per session in year 1, 4 in year 2, and 5 in year 3. Where residents participate in more than one half-day of continuity clinic per week in the same clinic or in different settings, the combined experience will be considered.

The curriculum should emphasize the generalist approach to common office-based pediatric issues including anticipatory guidance from birth through young adulthood, developmental and behavioral issues, and immunization practices and health promotion, as well as the care of children with chronic conditions. Residents must learn to serve as the coordinator of comprehensive primary care for children with complex and multiple health-related problems, and to function as part of a health-care team. Subspecialty consultants and allied health personnel must be available to residents in the care of their continuity patients.

Residents must assume responsibility for the continuing care of a group of patients throughout their training, either as an individual practitioner or as a team member. In an effort to foster a continuity experience that emulates a pediatric practice setting, the concept of group or team practice will be supported. If a team practice is implemented, there must be a documented regular and formal mechanism for sharing information among the team members.

Regardless of the setting, there should be a continuity relationship among the resident(s), preceptor(s) and a group of patients. To enhance the communication that is essential to continuity of experience, team size should not be excessive, and must include a preceptor or a small group of preceptors. The number of preceptors should be limited to

1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040
1041
1042
1043
1044
1045
1046
1047
1048
1049
1050
1051
1052
1053

enhance the resident-preceptor relationship. Consistency of preceptors over time is desirable.

The preceptors' responsibilities include, but are not limited to, mentoring the residents in communication skills, quality improvement skills, practice management system complexities, and patient advocacy (refer to competencies in Practice-Based Learning and Improvement and Systems-Based Practice). Inherent in the principle of continuity of care is that patients are seen on a regular and continuing basis. Isolated block experiences alone will not satisfy this requirement. Ideally, residents should participate in the care of their patients through any hospitalization, assess them during acute illnesses, and be available to facilitate other services, such as school-related evaluations and specialty referrals.

The number of teaching staff in the continuity clinic must be sufficient to ensure an appropriate educational experience for all residents present. Teaching staff who serve as attendings in the continuity clinic must have expertise in the area of general pediatrics, and be able to function as role models in general pediatrics. They must be actively involved in direct patient care to maintain their expertise and credibility. These and other competing responsibilities, however, must not compromise their availability for supervision and consultation with the residents.

(4) Normal/Term Newborn Experience

There must be the equivalent of at least 1 month in the care of normal/term newborns. This may not be part of a neonatal intensive care unit (NICU) rotation, but it may be combined with another experience over a longer period of time if an equivalent duration is demonstrated and the educational goals of both experiences can be met. If competence in newborn care cannot be achieved in one month, it is desirable for a program to incorporate additional newborn experience. Faculty with expertise in general pediatrics should be involved in this training through teaching and/or supervision. The experience should also include at least the following:

- (a) Recognition and appropriate intervention for high-risk infants;

- 1054
1055 (b) Distinguishing well from ill infants;
1056
1057 (c) Performance of a physical examination on newborn
1058 infants, which includes assessment of gestational
1059 age and the appropriateness of intrauterine growth;
1060
1061 (d) Identification of common anomalies, birth defects,
1062 and syndromes, including counseling the parents;
1063
1064 (e) Provision of routine newborn care;
1065
1066 (f) Recognition and treatment of common physiologic
1067 deviations in the newborn;
1068
1069 (g) Identification and management of infants of
1070 mothers with substance abuse and/or sexually
1071 transmitted diseases (STDs) or other infections;
1072
1073 (h) Routine newborn screening and appropriate follow-
1074 up of infants with positive test results;
1075
1076 (i) Preventive measures including immunization
1077 schedules and safety issues, such as counseling
1078 parents on the importance of infant safety seats and
1079 knowledge of normal infant nutrition, including
1080 breast feeding and knowledge of normal newborn
1081 growth and development;
1082
1083 (j) Discharge planning.

1084
1085 (5) Community and Child Advocacy Experiences
1086

1087 There must be structured educational experiences with
1088 goals and objectives, planned didactic and experiential
1089 opportunities for learning, and methods of evaluation, that
1090 prepare residents for the role of advocate for the health of
1091 children within the community. These should include both
1092 didactic and experiential components that may be
1093 integrated into other parts of the curriculum (e.g.,
1094 continuity, adolescent, behavior/development) or they may
1095 be designed as distinct longitudinal or block rotations.

1096
1097 Residents must be supervised by pediatricians and other
1098 health professionals experienced in the relevant content

1099
1100
1101
1102
1103
1104
1105
1106
1107
1108
1109
1110
1111
1112
1113
1114
1115
1116
1117
1118
1119
1120
1121
1122
1123
1124
1125
1126
1127
1128
1129
1130
1131
1132
1133
1134
1135
1136
1137
1138
1139
1140
1141
1142
1143
1144

areas. The curriculum should include, but not be limited to, the following subjects:

- (a) Community-oriented care with focus on the health needs of all children within a community, particularly underserved populations;
- (b) Culturally-effective health care;
- (c) Common environmental toxins such as lead as well as potential agents used in bioterrorism, and their effect on child health;
- (d) The role of the pediatrician as a consultant to schools, early childhood education, and child care settings;
- (e) The role of the pediatrician in the legislative process;
- (f) The role of the pediatrician in disease and injury prevention;
- (g) The role of the pediatricians in the regional emergency medical system for children, as well as their role in handling mass casualties.

These experiences should utilize settings within the community, such as community-based primary care practice settings; community health resources and organizations, including governmental and voluntary agencies (e.g., local and state public health departments, services for children with disabilities and special health care needs, Head Start, schools, including elementary school through college, day care settings, home health services, hospice, facilities for incarcerated youth, and facilities for treatment and management of substance abuse).

(6) Subspecialty Education

Education in the various subspecialties of pediatrics is a vital part of the training of general pediatricians. Although it is not possible for each resident to have a formal rotation through every subspecialty, it is required that all residents be exposed to the specialized knowledge and methods of

1145 the pediatric subspecialties through longitudinal
1146 experiences on the general inpatient and intensive care
1147 services and in outpatient settings. Residents should be
1148 taught when to seek consultation, when to refer to the
1149 subspecialist, and how to manage chronic illness as a team
1150 member with the subspecialist and other allied health
1151 professionals.

1152
1153 The curriculum must be designed to teach each resident the
1154 knowledge and skills appropriate for a general pediatrician,
1155 including the management of psychosocial problems that
1156 affect children with complex chronic disorders and their
1157 families. The experiences should include appropriate
1158 reading assignments, subspecialty conferences, and other
1159 activities that familiarize the residents with the techniques
1160 and skills used by the subspecialists.

1161
1162 All of the formal subspecialty rotations must involve an
1163 adequate number, variety, and complexity of patients to
1164 provide each resident with an appropriately broad
1165 experience in the subspecialty. Outpatient experiences
1166 should be integrated into all subspecialty rotations to
1167 provide an opportunity for residents to develop the skills
1168 needed to manage patients with complex illnesses in a
1169 primary care practice.

1170
1171 During these rotations the resident must be given
1172 appropriate patient care responsibilities with an opportunity
1173 to evaluate and formulate management plans for
1174 subspecialty patients. In the outpatient subspecialty clinics
1175 and with appropriate supervision by a subspecialist, the
1176 resident should function as the physician of first contact.
1177 Experiences in which the resident is solely an observer will
1178 not fulfill this requirement.

1179
1180 Subspecialty faculty must be directly involved in the
1181 supervision of residents and be readily available for
1182 consultation on a continuing basis. The supervision must
1183 be provided by pediatricians who are currently qualified to
1184 be physician faculty.

1185
1186 (a) Intensive Care Experience (NICU and PICU)

1187
1188 The intensive care experiences must provide the
1189 opportunity for residents to deal with the special
1190 needs of critically ill patients and their families. The

1191
1192
1193
1194
1195
1196
1197
1198
1199
1200
1201
1202
1203
1204
1205
1206
1207
1208
1209
1210
1211
1212
1213
1214
1215
1216
1217
1218
1219
1220
1221
1222
1223
1224
1225
1226
1227
1228
1229
1230
1231
1232
1233
1234
1235

intensive care experience must be for a minimum of 5 and a maximum of 7 months. This must include a minimum of 3 and a maximum of 4 block months of neonatal intensive care (Level II or III) and 2 block months of pediatric intensive care. Night and weekend responsibilities when the residents are predominantly responsible for the NICU will be included in the allowable maximum intensive care experience, with 200 hours being considered the equivalent of 1 month. However, when the resident is covering the entire inpatient service, including neonatal intensive care or the delivery room, these hours need not be included in the calculation of time in intensive care. Hours covering the PICU are not included in calculation of time in intensive care. To provide additional experience for those who may need it for future practice, 1 additional elective block month in critical care may be allowed. As is the case with any block month, it may include call. For a program that trains pediatricians to practice in non-urban areas that require the primary care pediatrician to resuscitate critically ill infants and children, the program may petition the RRC for additional critical care experience, providing appropriate justification.

The curricula in neonatal and pediatric intensive care must be structured to familiarize the resident with the special multidisciplinary and multiorgan implications of fluid, electrolyte, and metabolic disorders; trauma, nutrition, and cardiorespiratory management; infection control; and recognition and management of congenital anomalies in pediatric patients. It also must be designed to teach the following:

- i) Recognition and management of isolated and multiorgan system failure and assessment of its reversibility;
- ii) Understanding of the variations in organ system dysfunction by age of patient;
- iii) Integration of clinical assessment and laboratory data to formulate management

- 1236 and therapeutic plans for critically ill
 1237 patients;
 1238
 1239 iv) Invasive and noninvasive techniques for
 1240 monitoring and supporting pulmonary,
 1241 cardiovascular, cerebral, and metabolic
 1242 functions;
 1243
 1244 v) Participation in decision making in the
 1245 admitting, discharge, and transfer of patients
 1246 in the intensive care units;
 1247
 1248 vi) Resuscitation, stabilization, and
 1249 transportation of patients to the ICUs and
 1250 within the hospital;
 1251
 1252 vii) Understanding of the appropriate roles of the
 1253 generalist pediatrician and the
 1254 intensivist/neonatologist in these settings;
 1255
 1256 viii) Participation in preoperative and
 1257 postoperative management of surgical
 1258 patients, including understanding the
 1259 appropriate roles of the general pediatric
 1260 practitioner and the intensivist in this
 1261 setting;
 1262
 1263 ix) Participation, during the neonatal intensive
 1264 care experience, in perinatal diagnostic and
 1265 management discussions;
 1266
 1267 x) Resuscitation and care of newborns in the
 1268 delivery room;
 1269
 1270 xi) Evaluation and management, during the
 1271 pediatric intensive care experience, of
 1272 patients following traumatic injury.
 1273

1274 (b) Adolescent Medicine

1275
 1276 The program must provide all residents with
 1277 experience in adolescent medicine that will enable
 1278 them to recognize normal and abnormal growth and
 1279 development in adolescent patients. The experience
 1280 must include, as a minimum, a 1-month block
 1281 rotation to ensure a focused experience in the area

1282
1283
1284
1285
1286
1287
1288
1289
1290
1291
1292
1293
1294
1295
1296
1297
1298
1299
1300
1301
1302
1303
1304
1305
1306
1307
1308
1309
1310
1311
1312
1313
1314
1315
1316
1317
1318
1319
1320
1321
1322
1323
1324
1325
1326
1327

of adolescent medicine. This experience must be supervised by faculty qualified to teach adolescent medicine.

The program must also provide the resident with an integrated experience that incorporates adolescent issues into ambulatory and inpatient experiences throughout the 3 years (e.g., inpatient unit, community settings, continuity clinic, and subspecialty rotations).

It must include instruction and experience in at least the following:

- i) Normal pubertal growth and development and the associated physiologic and anatomic changes;
- ii) Health promotion, disease prevention, and anticipatory guidance of adolescents;
- iii) Common adolescent health problems, including chronic illness, sports-related issues, motor vehicle safety, and the effects of violence in conflict resolution;
- iv) Interviewing the adolescent patient with attention to confidentiality, consent, and cultural background;
- v) Psychosocial issues, such as peer and family relations, depression, eating disorders, substance abuse, suicide, and school performance;
- vi) Male and female reproductive health, including sexuality, pregnancy, contraception, and STDs.

(c) Developmental/Behavioral Pediatrics

The program must provide all residents with an adequate experience in developmental/behavioral pediatrics to ensure that the resident recognizes normal and abnormal behavior and understands child development from infancy through young

1328
1329
1330
1331
1332
1333
1334
1335
1336
1337
1338
1339
1340
1341
1342
1343
1344
1345
1346
1347
1348
1349
1350
1351
1352
1353
1354
1355
1356
1357
1358
1359
1360
1361
1362
1363
1364
1365
1366
1367
1368
1369
1370
1371
1372
1373

adulthood. The experience must include, as a minimum, a 1-month block rotation that is a focused experience in behavioral/developmental pediatrics. The experience must be supervised by faculty qualified to teach developmental/behavioral pediatrics.

The program must educate the residents in the intrinsic and extrinsic factors that influence behavior to enable them to differentiate behavior that can and should be managed by the general pediatrician from behavior that warrants referral to other specialists. Clinical and didactic components of behavioral, psychosocial, and developmental pediatrics should be integrated into the general educational program and into each patient encounter, when possible.

The program also must provide an integrated experience that incorporates behavioral and developmental issues into ambulatory and inpatient experiences throughout the 3 years (e.g., inpatient unit, community setting, continuity clinic, and subspecialty rotations). The program must include instruction in at least the following components to enable the residents to develop appropriate skills:

- i) Normal and abnormal child behavior and development, including cognitive, language, motor, social, and emotional components;
- ii) Family structure, adoption, and foster care;
- iii) Interviewing parents and children;
- iv) Psychosocial and developmental screening techniques;
- v) Behavioral counseling and referral;
- vi) Management strategies for children with developmental disabilities or special needs, within the context of the medical home;
- vii) Needs of children at risk, e.g., those in poverty, from fragmented or substance

1374 abusing families, or victims of child
1375 abuse/neglect;
1376
1377 viii) Impact of chronic diseases, terminal
1378 conditions, and death on patients and their
1379 families;
1380
1381 ix) Recognizing and coordinating care for
1382 childhood and adolescent mental health
1383 problems that require referral for diagnosis
1384 and treatment.
1385
1386 (d) Additional Required Subspecialty Experience
1387
1388 Excluding the adolescent medicine,
1389 developmental/behavioral, and intensive care
1390 experiences, the minimum time each resident must
1391 commit to subspecialty rotations is 7 months, four
1392 of which must be taken at the primary teaching site
1393 and/or integrated hospitals. Within these 7 months,
1394 each resident must complete a minimum of 4
1395 different 1-month block rotations taken from the
1396 following list of pediatric subspecialties or closely
1397 allied specialties:
1398
1399 Allergy/Immunology Infectious Diseases
1400 Cardiology Nephrology
1401 Endocrinology Neurology
1402 Genetics Pulmonary
1403 Gastroenterology Rheumatology
1404 Hematology/Oncology
1405
1406 The additional 3 months may consist of single
1407 subspecialties or combinations of specialties from
1408 either the list above or the list below. Combinations
1409 of specialties may be structured as block or
1410 longitudinal experiences.
1411
1412 Anesthesiology Otolaryngology
1413 Child Psychiatry Radiology
1414 Dermatology Pediatric Surgery
1415 Ophthalmology Pediatric Physical
1416 Orthopaedics and Medicine and
1417 Sports Medicine Rehabilitation
1418

1419
1420
1421
1422
1423
1424
1425
1426
1427
1428
1429
1430
1431
1432
1433
1434
1435
1436
1437
1438
1439
1440
1441
1442
1443
1444
1445
1446
1447
1448
1449
1450
1451
1452
1453
1454
1455
1456
1457
1458
1459
1460
1461
1462
1463
1464

During the 3 years of training, no more than 3 block months, or its equivalent, may be spent by a resident in any one subspecialty. Subspecialty research electives that involve no clinical activities need not be counted as one of these 3 block months.

(e) Elective Experiences

Electives should be designed to enrich the educational experience of residents in conformity with their needs, interests, and/or future professional plans. Electives must be well-constructed, purposeful, and effective learning experiences, with written goals and objectives. The choice of electives must be made with the advice and approval of the program director and the appropriate preceptor.

(7) Conferences

Departmental conferences, including regular morbidity and mortality conferences, seminars, teaching rounds, and other structured educational experiences must be conducted on a regular basis and with sufficient frequency to fulfill educational goals. Reasonable requirements for resident attendance should be established for the various conferences, their attendance should be documented, and there must be appropriate faculty participation.

Clinical curricula invoke both knowledge and skill requirements which cannot be separated in the evaluation of performance. As such, performance in the areas described above is subject to the elements of the patient care competency as well as the content-specific element of the medical knowledge competency described above.

Programs must document provision of didactics and experiential learning. Both the spectrum of, and resident and faculty attendance at, conferences or other designated learning activities must be documented.

Faculty must evaluate the resident's knowledge in a structured manner using such methods as direct observation of clinical encounters, written/oral examinations or teaching modules. The performance of program graduates

1465 on the ABP certification examination is of high
1466 significance in this regard.

- 1467
1468 b) Critically evaluating and applying current medical information and
1469 scientific evidence for patient care.

1470
1471 The dramatic changes in knowledge content warrant that every
1472 resident become facile with identification of primary sources and
1473 the ability to critique the evidence presented in these sources in
1474 preparation for potential application in the clinical setting.

1475
1476 Faculty must document the resident's ability to access, appraise
1477 and apply knowledge. Faculty evaluations must address the ability
1478 of residents to apply best medical evidence to the care of patients.
1479 Evaluation must be based on direct observation and precepting in a
1480 clinical setting.

1481
1482 In addition, the program must evaluate the competence of residents
1483 in performing an evidence-based exercise. This exercise may
1484 include, but is not limited to, a journal club presentation or other
1485 structured exercise in which best evidence is applied to a focused
1486 clinical question. The evaluation should be based on predetermined
1487 criteria.

1488
1489 3. **PRACTICE-BASED LEARNING AND IMPROVEMENT.**

1490
1491 **This involves the investigation and evaluation of care for their**
1492 **patients, the appraisal and assimilation of scientific evidence, and**
1493 **improvements in patient care.**

1494
1495 Delivery of optimal health care in the current environment of knowledge
1496 discovery and technology requires that each physician make a serious
1497 commitment to self-directed life-long learning. Reflection on one's
1498 practice, by identifying strengths and limitations, is the first step in
1499 practice improvement. The learner can then build on this reflective
1500 process by developing an individualized learning plan (i.e., documented
1501 personal learning objectives and strategies to achieve them). It is the
1502 responsibility of training programs to provide an environment conducive
1503 to practice analysis and the resources to facilitate this reflective process
1504 for the residents.

1505
1506 Each resident should demonstrate competence in the following elements
1507 of practice-based learning and improvement.

- 1508
1509 a) Taking primary responsibility for life-long learning to improve
1510 knowledge, skills, and practice performance.

1511
1512
1513
1514
1515
1516
1517
1518
1519
1520
1521
1522
1523
1524
1525
1526
1527
1528
1529
1530
1531
1532
1533
1534
1535
1536
1537
1538
1539
1540
1541
1542
1543
1544
1545
1546
1547
1548
1549
1550
1551
1552
1553
1554
1555
1556

One of the underpinnings of competency-based education is the pivotal role of the learner in the educational process. During training it is critical that programs foster self-directed learning so that this practice becomes a way of life as the resident evolves into an independent practitioner. Bridging the transition from residency to the next career step requires an individualized learning plan that extends beyond residency.

- b) Analyzing practice experience to recognize one’s strengths, deficiencies, and limits in knowledge and expertise.

Reflection on practice is key to professional development. Programs must provide a safe environment that encourages practitioners to identify weaknesses, deficiencies, and errors as the first step in the creation of an individualized learning plan. Changing practice based on new learning will set a precedent for future practice improvement.

- c) Using evaluations of performance provided by peers, patients, superiors, and junior colleagues to improve practice.

Ongoing feedback is critical if one expects to meet a threshold for competence. The need for, and the role of, faculty mentors in providing guidance and feedback cannot be overemphasized. In addition, feedback from a variety of evaluators allows residents to gain an understanding of how their behaviors impact others with whom they interact. Residents should be encouraged to incorporate comment into future practice. Reflection on, and response to, comment should be monitored by the program.

- d) Locating, appraising, and assimilating evidence from scientific studies related to their patient’s health problems.

- e) Using information technology to optimize lifelong learning.

The rapidity with which new knowledge is generated makes it imperative that residents know how to use to technology to keep abreast of new discoveries and best evidence. Programs are responsible for ensuring that their trainees are facile with the necessary skills to utilize information technology in the acquisition of knowledge.

- f) Actively participating in the education of patients, families, students, residents and other health professionals.

1557 Programs must provide trainees with excellent role models who
1558 demonstrate the value of teaching patients/families about
1559 preventive health care and educating them about disease processes.
1560 Faculty should also model the teaching skills necessary to educate
1561 residents in a variety of teaching venues, such as small group
1562 seminars, large group lectures, and clinical precepting.

1563
1564 An ethos of ongoing reflection for the purpose of improved quality of care
1565 for patients should permeate every aspect of training to reinforce the need
1566 for trainees to adopt this practice as a lifelong habit. The critical steps to
1567 achieve competency in this domain involve self-assessment, feedback
1568 from others, reflection on feedback and identification of strategies that
1569 will lead to improvement of future practice.

1570
1571 Documented meetings between an individual resident and mentor or
1572 advisor for purposes of feedback and guidance must occur at least twice a
1573 year. Mentors must guide the residents in their ability to use self-
1574 assessment techniques and analysis of events that exemplify particularly
1575 positive or negative behaviors to identify personal and professional
1576 strengths and weaknesses. In response residents must develop relevant
1577 learning plans that begin during and extend beyond residency.

1578
1579 In order for the resident to achieve learning objectives, the resident must
1580 have a documented ability (see Medical Knowledge) to locate, appraise
1581 and assimilate evidence from scientific studies related to their patient's
1582 health problems. Resident familiarity with general and rotation-specific
1583 learning goals and objectives and attendance at conferences is a first step
1584 toward life-long learning and must be documented.

1585
1586 The program must document that residents also acquire the skills needed
1587 to analyze and improve the quality of clinical practice. This can be
1588 accomplished by participation in a quality improvement project or activity
1589 (e.g., membership in an institutional quality improvement committee).

1590
1591 Evaluation of participation in education must be documented with
1592 evaluations of the resident's teaching abilities by faculty and/or learners.

1593
1594
1595 **4. INTERPERSONAL AND COMMUNICATION SKILLS**

1596
1597 **Residents must be able to demonstrate interpersonal and**
1598 **communication skills that result in effective information exchange and**
1599 **teaming with patients, their families and professional associates.**

1600

1601 Effective written and verbal communication, including telephone triage, is
1602 critical to practicing the science of medicine; style of communication is
1603 critical to practicing the art of medicine.

1604
1605 Each resident should demonstrate competence in the following elements
1606 of interpersonal and communication skills:

- 1607
1608 a) Communicating effectively in a developmentally appropriate
1609 manner with patients and families to create and sustain a
1610 professional and therapeutic relationship across a broad range of
1611 socioeconomic and cultural backgrounds.

1612
1613 In the practice of pediatrics, the ability to communicate must not
1614 only extend to different cultural backgrounds and socioeconomic
1615 strata as in other disciplines, but also extend to different
1616 developmental levels. In order to be effective, the communication
1617 must target both the patient and the family. Perceptions by the
1618 patient and family of residents' level of interest and concern will
1619 affect their judgment as to the quality of care provided and their
1620 willingness to comply with recommendations.

- 1621
1622 b) Communicating effectively with physicians, other health
1623 professionals, and health related agencies.

1624
1625 Effective transfer of information from one provider to another
1626 allows for continuity of the care that is being provided, thus
1627 optimizing outcomes for the patient. This skill can be learned and
1628 practiced by communication with peers during the training process.

1629
1630 In addition, communication with other primary care providers and
1631 other health care professionals is critical to effective and efficient
1632 patient care.

- 1633
1634 c) Working effectively as a member or leader of a health care team or
1635 other professional group.

1636
1637 The ability to function as part of a team is important in optimizing
1638 patient care since no one individual has all the needed expertise to
1639 attend to the medical, psychological, and social needs of patients.
1640 Teamwork during training also lays the groundwork for future
1641 collegial relationships in a primary care practice within a
1642 community or as a faculty member within a division and
1643 department of pediatrics.

- 1644
1645 d) Acting in a consultative role to other physicians and health
1646 professionals.

1647
1648
1649
1650
1651
1652
1653
1654
1655
1656
1657
1658
1659
1660
1661
1662
1663
1664
1665
1666
1667
1668
1669
1670
1671
1672
1673
1674
1675
1676
1677
1678
1679
1680
1681
1682
1683
1684
1685
1686
1687
1688
1689
1690
1691
1692

Senior residents should be called upon to act as consultants under the supervision and guidance of the faculty. This role may be played out in a variety of venues including, but not limited to, subspecialty consult services, as the primary care coordinator for continuity patients, for EMT's transporting patients to the hospital, for referring physicians seeking advice about patient transfer, for case managers, nurses and social workers in the routine care of patients, and for nurse practitioners teaming with residents to provide patient care.

e) Maintaining comprehensive, timely, and legible medical records.

For effective transfer of information to occur among providers records must be meticulous in detail, clearly and legibly written, and completed in a timely manner.

The program must document teaching that addresses each of the elements of this competency. This must begin with role modeling. Role modeling should be supplemented by direct observation of resident communication skills in real or simulated situations.

Written evaluations based on direct observation must document effective communication with patients/families, supervisors, fellow residents, allied health professionals, non-medical staff, and referring physicians. These evaluations must address effective communication of health care information, as well as effective coordination of care in inpatient and outpatient settings.

In addition, the program must document a process for evaluation of each resident's skill in written documentation and timely completion of medical records.

5. PROFESSIONALISM

Residents must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to diversity.

Equally important to knowledge and clinical acumen is the delivery of care by a physician who lives up to what is expected of a professional. It is an honor to be entrusted with the care of someone's children, and residents' behavior must reflect an appreciation of this by demonstrating professionalism at all times and in all circumstances.

1693 Each resident should demonstrate competence in the following elements
1694 of professionalism.

- 1696 a) Demonstrating respect, compassion, integrity, and honesty; a
1697 responsiveness to the needs of patients and society that supercedes
1698 self-interest; accountability to patients, society, and the profession.

1699
1700 It is critical to demonstrate the attributes of a professional in every
1701 clinical encounter. Each patient has the right to a physician who
1702 puts the well-being of the patient first, and society has the right to a
1703 physician workforce that likewise has the best interest of society at
1704 heart.

- 1705
1706 b) Demonstrating high standards of ethical behavior which include
1707 respect for patient privacy and autonomy, and maintaining
1708 appropriate professional boundaries.

1709
1710 Medical ethics, including but not limited to the ethical principles of
1711 medical practice and the ethical aspects of the relationship of the
1712 physician to patients (e.g., initiating and discontinuing the
1713 treatment relationship, confidentiality, consent, issues of life-
1714 sustaining treatments, when to begin and stop resuscitation, legal
1715 and ethical issues in the end-of-life decision-making) and the
1716 relationship of the physician to the patients family (e.g., the
1717 interdisciplinary management of the psychosocial concerns of the
1718 patients family) the relationship of other physicians and to society
1719 (e.g., the impaired physician, peer review, conflicts of interest,
1720 resource allocation, institutional ethics committees, and ethical
1721 issues in research) should be emphasized in the didactic curriculum
1722 and modeled by the faculty in clinical practice. Reflection on the
1723 personal and professional impact of grief and loss should likewise
1724 be emphasized.

- 1725
1726 c) Demonstrating sensitivity and responsiveness to a diverse patient
1727 population including but not limited to diversity in gender, age,
1728 culture, race, religion, disabilities, and sexual orientation.

1729
1730 To maximize one's impact on the health and well-being of the
1731 individual patient, and how that patient functions in the context of
1732 his/her family and community, it is important to have both an
1733 understanding of and an appreciation for all of the psychosocial
1734 factors that make people who they are. The ability to demonstrate
1735 a knowledge, understanding, and acceptance of individual and
1736 cultural differences will promote greater trust on the part of the
1737 patient and a greater likelihood that the patient will reveal personal

1738 information that may be pertinent to his/her diagnosis,
1739 management, and ability to comply with prescribed therapies.
1740

1741 The program must document teaching that addresses each of the elements
1742 of this competency. This may consist of, but is not limited to, traditional
1743 lectures, case-based teaching modules, discussion of vignettes, or role
1744 playing exercises that address aspects of ethical and professional behavior.
1745

1746 Written evaluations of residents' professional and ethical behavior by
1747 patients/families and members of the health care team based on direct
1748 observation must document elements of this competency.
1749

1750 Discussion of critical incidents (especially positive or negative behaviors)
1751 in the realm of professionalism must be part of the ongoing mentoring of
1752 every resident.
1753

1754 **6. SYSTEMS-BASED PRACTICE**
1755

1756 **This is manifested by actions that demonstrate an awareness of and**
1757 **responsiveness to the larger context and system of health care, as well**
1758 **as the ability to call effectively on other resources in the system to**
1759 **provide optimal health care.**
1760

1761 In order to prepare residents to operate within the health care delivery
1762 environment once training has been completed, the program must ensure
1763 structured educational experiences to address the following:
1764

- 1765 • risk management;
- 1766 • cost effectiveness in medicine;
- 1767 • health care organization, financing, and practice
1768 management, including the organization and financing of
1769 health care services for children at the local, state, and
1770 national levels and the role of the pediatrician in the
1771 legislative process; and
- 1772 • the organization and financing of clinical practice,
1773 including personnel and business management, scheduling,
1774 billing and coding procedures, telephone and telemedicine
1775 management, and maintenance of an appropriate
1776 confidential patient record system.
1777

1778 Each trainee should demonstrate competence in the following elements of
1779 systems-based practice.
1780

- 1781 a) Knowing how types of medical practice and delivery systems
1782 differ from one another, including methods of controlling health
1783 care cost, assuring quality, and allocating resources.

1784
1785
1786
1787
1788
1789
1790
1791
1792
1793
1794
1795
1796
1797
1798
1799
1800
1801
1802
1803
1804
1805
1806
1807
1808
1809
1810
1811
1812
1813
1814
1815
1816
1817
1818
1819
1820
1821
1822
1823
1824
1825
1826
1827
1828
1829

Programs must demonstrate how they address the administrative infrastructure of the different types of health care delivery models. This should include, but not be limited to, the following: personnel, financing, quality improvement activities, and resource allocation.

- b) Practicing cost-effective health care and resource allocation that does not compromise quality of care.

Learning to become conscientious about cost is a critical habit that residents should acquire during training. Equally important is the ability to balance cost-effectiveness with quality of patient care. Training should take place in an environment where faculty role model the ability to consider and balance cost containment with resource allocation with quality of care. Discussions regarding these issues should be infused into the daily routine of patient care activities.

- c) Advocating for quality patient care and assist patients in dealing with system complexities.

The complexities of today's health care delivery system warrant that physicians not only become familiar with resources available to patients and their families, but also become facile with helping them to access these resources.

- d) Partnering with health care managers and health care providers to assess, coordinate, and improve health care.

An understanding of the principles involved in discharge planning is necessary to ensure efficient transition and continuity of care for patients once they leave the inpatient setting. Partnerships with case managers and other health professionals are equally important in the coordination of care in the outpatient arena as patients navigate between primary care and subspecialty providers.

- e) Knowing how to advocate for the promotion of health and the prevention of disease and injury in populations.

In order to best serve a patient population, one must develop a familiarity with the natural history and epidemiology of major health problems in the community which one serves. A background understanding of cultural norms and health beliefs is also of crucial importance in addressing preventive care. Pediatricians should invest in the health literacy of the community

1830 served so that families can access, process, and understand health
1831 information to the extent that it allows for shared decision making
1832 about their health.

1833
1834 f) Acknowledging medical errors and examining systems to prevent
1835 them.

1836
1837 The report of the Institute of Medicine, “To Err is Human,”
1838 highlights the significant number of medical errors that occur in
1839 routine practice. The optimal strategy for preventing errors is
1840 through development and implementation of system strategies and
1841 processes that are not subject to human error. This way of thinking
1842 will require a change in the ethos in which we practice. The
1843 educational leadership will need to work with faculty, who in turn
1844 will role model for residents, the importance of the perspective of
1845 examining the systems within which we deliver health care in
1846 order to prevent medical errors.

1847
1848 The program must document teaching that addresses each of the elements
1849 of this competency. These sessions may include, but are not limited to,
1850 traditional conferences or completion of case-based learning modules.

1851
1852 The program must also document experiential learning for the element that
1853 addresses the system causes of health care errors. Examples include, but
1854 are not limited to, a resident presentation at morbidity and mortality
1855 conference focusing on potential system errors, or resident participation in
1856 an institutional process that identifies a system-based cause of an adverse
1857 patient outcome.

1858
1859 Demonstration of competence must be documented by faculty evaluations
1860 that assess each of the elements in this domain. In addition, evaluations
1861 by other health professions must be obtained to assess residents’ ability to
1862 function as part of an interdisciplinary team.

1863
1864 **C. Residents Scholarly Activities**

1865
1866 **Each program must provide an opportunity for residents to participate in**
1867 **research or other scholarly activities, and residents must participate actively**
1868 **in such scholarly activities.**

1869
1870 **D. ACGME Competencies (Addressed in the previous section)**

1871
1872 **The residency program must require its residents to obtain competence in the six areas listed below to**
1873 **the level expected of a new practitioner. Programs must define the specific knowledge, skills,**
1874 **behaviors, and attitudes required, and provide educational experiences as needed in order for their**
1875 **residents to demonstrate the following:**
1876

1877
1878
1879
1880
1881
1882
1883
1884
1885
1886
1887
1888
1889
1890
1891
1892
1893
1894
1895
1896
1897
1898
1899
1900
1901
1902
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927

1. *Patient care* that is compassionate, appropriate, and effective for the treatment of health programs and the promotion of health;
2. *Medical Knowledge* about established and evolving biomedical, clinical, and cognate sciences, as well as the application of this knowledge to patient care;
3. *Practice-based learning and improvement* that involves the investigation and evaluation of care for their patients, the appraisal and assimilation of scientific evidence, and improvements in patient care;
4. *Interpersonal and communication skills* that result in the effective exchange of information and collaboration with patients, their families, and other health professionals;
5. *Professionalism*, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to patients of diverse backgrounds;
6. *Systems-based practice*, as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.

VI. Resident Duty Hours and the Working Environment

Providing residents with a sound academic and clinical education must be carefully planned and balanced with concerns for patient safety and resident well-being. Each program must ensure that the learning objectives of the program are not compromised by excessive reliance on residents to fulfill service obligations. Didactic and clinical education must have priority in the allotment of residents' time and energies. Duty hour assignments must recognize that faculty and residents collectively have responsibility for the safety and welfare of patients.

A. Supervision of Residents

1. **All patient care must be supervised by qualified faculty. The program director must ensure, direct, and document adequate supervision of residents at all times. Residents must be provided with rapid, reliable systems for communicating with supervising faculty.**
2. **Faculty schedules must be structured to provide residents with continuous supervision and consultation.**
3. **Faculty and residents must be educated to recognize the signs of fatigue and adopt and apply policies to prevent and counteract the potential negative effects.**

B. Duty Hours

1. **Duty hours are defined as all clinical and academic activities related to the residency program, ie, patient care (both**

1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973

inpatient and outpatient), administrative duties related to patient care, the provision for transfer of patient care, time spent in-house during call activities, and scheduled academic activities such as conferences. Duty hours do not include reading and preparation time spent away from the duty site.

- 2. Duty hours must be limited to 80 hours per week, averaged over a four-week period, inclusive of all in-house call activities.**
- 3. Residents must be provided with 1 day in 7 free from all educational and clinical responsibilities, averaged over a 4-week period, inclusive of call. One day is defined as one continuous 24-hour period free from all clinical, educational, and administrative activities.**
- 4. Adequate time for rest and personal activities must be provided. This should consist of a 10 hour time period provided between all daily duty periods and after in-house call.**
The RRC will not consider requests for a rest period that is less than 10 hours.

C. On-Call Activities

The objective of on-call activities is to provide residents with continuity of patient care experiences throughout a 24-hour period. In-house call is defined as those duty hours beyond the normal work day when residents are required to be immediately available in the assigned institution.

- 1. In-house call must occur no more frequently than every third night, averaged over a four-week period.**
- 2. Continuous on-site duty, including in-house call, must not exceed 24 consecutive hours. Residents may remain on duty for up to 6 additional hours to participate in didactic activities, transfer care of patients, conduct outpatient clinics and maintain continuity of medical and surgical care. While continuity care remains a priority, morning and afternoon continuity clinics after residents have had a 24-hour duty period may be cancelled up to a frequency of one time per month (4 weeks) per resident. Post-call residents may not attend other clinics, such as subspecialty clinics.**
- 3. No new patients may be accepted after 24 hours of continuous duty. A new patient is defined as any patient for whom the resident has not provided care during the previous 24 hour period,**

1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019

or who is not a part of the resident's continuity panel or the panel of the resident's continuity team, if such exists.

4. **At-home call (pager call) is defined as call taken from outside the assigned institution.**
 - a) **The frequency of at-home call is not subject to the every third night limitation. However, at-home call must not be so frequent as to preclude rest and reasonable personal time for each resident. Residents taking at-home call must be provided with 1 day in 7 completely free from all educational and clinical responsibilities, averaged over a 4-week period.**
 - b) **When residents are called into the hospital from home, the hours residents spend in-house are counted toward the 80-hour limit.**
 - c) **The program director and the faculty must monitor the demands of at-home call in their programs and make scheduling adjustments as necessary to mitigate excessive service demands and/or fatigue.**

D. Moonlighting

1. **Because residency education is a full-time endeavor, the program director must ensure that moonlighting does not interfere with the ability of the resident to achieve the goals and objectives of the educational program.**
2. **The program director must comply with the sponsoring institution's written policies and procedures regarding moonlighting, in compliance with the Institutional Requirements III. D.1.k.**
3. **Moonlighting that occurs within the residency program and/or the sponsoring institution or the non-hospital sponsor's primary clinical site(s), ie, internal moonlighting, must be counted toward the 80-hour weekly limit on duty hours.**

E. Oversight

1. **Each program must have written policies and procedures consistent with the Institutional and Program Requirements for resident duty hours and the working environment. These policies must be distributed to the residents and the faculty.**

2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040
2041
2042
2043
2044
2045
2046
2047
2048
2049
2050
2051
2052
2053
2054
2055
2056
2057
2058
2059
2060
2061
2062
2063
2064
2065

Monitoring of duty hours is required with frequency sufficient to ensure an appropriate balance between education and service.

- 2. Back-up support systems must be provided when patient care responsibilities are unusually difficult or prolonged, or if unexpected circumstances create resident fatigue sufficient to jeopardize patient care.**

F. Duty Hours Exception

An RRC may grant exceptions for up to 10% of the 80-hour limit*, to individual programs based on a sound educational rationale. However, prior permission of the institution’s GMEC is required. The RRC for Pediatrics will not consider requests for exceptions to the 80 hour limit to residents’ work week.

VII. Evaluation

A. Resident

1. Formative Evaluation

The faculty must evaluate in a timely manner the residents whom they supervise. In addition, the residency program must demonstrate that it has an effective mechanism for assessing resident performance throughout the program, and for utilizing the results to improve resident performance.

- a) Assessment should include the use of methods that produce an accurate assessment of residents’ competence in patient care, medical knowledge, practice-based learning and improvement, interpersonal and communication skills, professionalism, and systems-based practice.**
- b) Assessment should include the regular and timely performance feedback to residents that includes at least semiannual written evaluations. Such evaluations are to be communicated to each resident in a timely manner, and maintained in a record that is accessible to each resident.**
- c) Assessment should include the use of assessment results, including evaluation by faculty, patients, peers, self, and other professional staff, to achieve progressive improvements in residents’ competence and performance.**

2066 **3. Final Evaluation**

2067
2068 **The program director must provide a final evaluation for each**
2069 **resident who completes the program. This evaluation must include a**
2070 **review of the resident's performance during the final period of**
2071 **education, and should verify that the resident has demonstrated**
2072 **sufficient professional ability to practice competently and**
2073 **independently. The final evaluation must be part of the resident's**
2074 **permanent record maintained by the institution.**

2075
2076 **B. Faculty**

2077
2078 **The performance of the faculty must be evaluated by the program no less**
2079 **frequently than at the midpoint of the accreditation cycle, and again prior to**
2080 **the next site visit. The evaluations should include a review of their teaching**
2081 **abilities, commitment to the educational program, clinical knowledge, and**
2082 **scholarly activities. This evaluation must include annual written confidential**
2083 **evaluations by residents.**

2084
2085 **C. Program**

2086
2087 **The educational effectiveness of a program must be evaluated at least**
2088 **annually in a systematic manner.**

2089
2090 **1. Representative program personnel (i.e., at least the program director,**
2091 **representative faculty, and one resident) must be organized to review**
2092 **program goals and objectives, and the effectiveness with which they**
2093 **are achieved. This group must conduct a formal documented meeting**
2094 **at least annually for this purpose. In the evaluation process, the**
2095 **group must take into consideration written comments from the**
2096 **faculty, the most recent report of the GMEC of the sponsoring**

2097
2098 **2. The program should use resident performance and outcome**
2099 **assessment in its evaluation of the educational effectiveness of the**
2100 **residency program. Performance of program graduates on the**
2101 **certification examination should be used as one measure of evaluating**
2102 **program effectiveness. The program should maintain a process for**
2103 **using assessment results together with other program evaluation**
2104 **results to improve the residency program.**

2105
2106 **D. RRC Evaluation**

2107
2108 **One outcome measure of the quality of a residency program is the performance of**
2109 **its graduates on the certifying examinations of the American Board of Pediatrics.**
2110 **In its evaluation of residency programs, the RRC will take into consideration the**
2111 **information provided by the American Board of Pediatrics regarding resident**

2112 performance on the certifying examinations during the most recent 3 to 5 years.
2113 A program will be judged deficient if, over a period of years, the rate of those
2114 passing the examination on their first attempt is less than 60% and/or if fewer than
2115 80% of those completing the program take the certifying examination.
2116

2117 **VIII. Experimentation and Innovation**
2118

2119 **Since responsible innovation and experimentation are essential to improving**
2120 **professional education, experimental projects along sound educational**
2121 **principles are encouraged. Requests for experimentation or innovative**
2122 **projects that may deviate from the program requirements must be approved**
2123 **in advance by the RRC, and must include the educational rationale and**
2124 **method of evaluation. The sponsoring institution and program are jointly**
2125 **responsible for the quality of education offered to residents for the duration**
2126 **of such a project.**
2127

2128 **IX. Certification**
2129

2130 **Residents who plan to seek certification by the American Board of Pediatrics**
2131 **should communicate with the office of the board regarding the full**
2132 **requirements for certification.**
2133

2134
2135
2136
2137
2138
2139 Pediatric PR postRJU RevisionsFORWEB.doc
2140 7/20/04