



Policy Statement—The Future of Pediatrics: Mental Health Competencies for Pediatric Primary Care

abstract

Pediatric primary care clinicians have unique opportunities and a growing sense of responsibility to prevent and address mental health and substance abuse problems in the medical home. In this report, the American Academy of Pediatrics proposes competencies requisite for providing mental health and substance abuse services in pediatric primary care settings and recommends steps toward achieving them. Achievement of the competencies proposed in this statement is a goal, not a current expectation. It will require innovations in residency training and continuing medical education, as well as a commitment by the individual clinician to pursue, over time, educational strategies suited to his or her learning style and skill level. System enhancements, such as collaborative relationships with mental health specialists and changes in the financing of mental health care, must precede enhancements in clinical practice. For this reason, the proposed competencies begin with knowledge and skills for systems-based practice. The proposed competencies overlap those of mental health specialists in some areas; for example, they include the knowledge and skills to care for children with attention-deficit/hyperactivity disorder, anxiety, depression, and substance abuse and to recognize psychiatric and social emergencies. In other areas, the competencies reflect the uniqueness of the primary care clinician's role: building resilience in all children; promoting healthy lifestyles; preventing or mitigating mental health and substance abuse problems; identifying risk factors and emerging mental health problems in children and their families; and partnering with families, schools, agencies, and mental health specialists to plan assessment and care. Proposed interpersonal and communication skills reflect the primary care clinician's critical role in overcoming barriers (perceived and/or experienced by children and families) to seeking help for mental health and substance abuse concerns. *Pediatrics* 2009;124:410–421

INTRODUCTION

The purposes of this policy statement are to articulate competencies—skills, knowledge, and attitudes—needed by primary care clinicians (PCCs) to address the mental health problems prevalent among children and adolescents in the United States and to promote use of the competencies in guiding residency education and continuing education of PCCs.

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KEY WORDS

mental health, competencies, primary care, medical home, children, adolescents, education, training, substance abuse

ABBREVIATIONS

PCCs—primary care clinicians
DSM-PC—*Diagnostic and Statistical Manual for Primary Care*
DSM-IV—*Diagnostic and Statistical Manual of Mental Disorders*, Fourth Edition
CAM—complementary and alternative (integrative) medicine
AAP—American Academy of Pediatrics
ACGME—Accreditation Council for Graduate Medical Education
ADHD—attention-deficit/hyperactivity disorder

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www.pediatrics.org/cgi/doi/10.1542/peds.2009-1061

doi:10.1542/peds.2009-1061

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PEDIATRICS (ISSN Numbers: Print, 0031-4005; Online, 1098-4275).

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Definitions and Scope

The term “mental” throughout this statement is intended to encompass “behavioral,” “neurodevelopmental,” “psychiatric,” “psychological,” “emotional,” and “substance abuse,” as well as family context^{1–6} and community-related concerns such as child abuse and neglect, separation or divorce of parents, domestic violence, parental or family mental health issues, natural disasters, school crises, military deployment of children’s loved ones, and the grief and loss accompanying any of these issues or the illness or death of family members. The term also encompasses somatic manifestations of mental health issues, such as eating disorders and functional gastrointestinal symptoms. This is not to suggest that the full range or severity of all mental health problems falls within the scope of pediatric primary care practice but, rather, that children and adolescents may suffer from the full range and severity of mental health conditions and psychosocial stressors. As such, children with mental health needs, similar to children with special physical and developmental needs, are children for whom pediatricians, family physicians, pediatric nurse practitioners, and physician assistants provide a medical home.⁷

The *Diagnostic and Statistical Manual for Primary Care* (DSM-PC) classification system⁸ distinguishes between developmental variations (behaviors that may raise concern but are within the range of expected behaviors for the age of the child), problems (behaviors serious enough to disrupt functioning but not to a level severe enough to warrant the diagnosis of a disorder), and disorders (as defined by the *Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition* [DSM-IV]⁹). Because the PCC has a role in providing reassurance and/or care for children with behaviors in each of these

categories, all fall within the scope of this document. Authors have used the term “concerns” when referring to behavioral issues not differentiated into 1 of these categories.

Many PCCs engage in mental health screening, assessment, diagnosis, and treatment. The term “mental health specialists” is intended to distinguish PCCs from those who specialize in the assessment and care of children and adolescents with mental health concerns. Thus, the term “mental health specialists,” as used in this report, includes physicians and nonphysicians such as psychiatrists, clinical psychologists, clinical social workers, licensed professional substance abuse counselors, nurses with advanced psychiatric training, family therapists, neurologists, early intervention specialists, developmental-behavioral pediatricians, and adolescent medicine specialists. Each of these disciplines has specific training and licensing requirements. Other individuals outside the mental health profession who have an effect on the mental health of children include teachers, counselors, coaches, religious leaders, and community and extended family members. Providers of complementary and alternative (integrative) medicine (CAM), both licensed and unlicensed, also may address children’s mental health, and a large number of families self-select CAM treatments for their children’s mental health conditions.^{10–14} A growing body of literature describes the potential benefits of CAM approaches^{15–17} and risks of CAM therapies, including interactions of herbal remedies and dietary supplements with prescription medications.^{18,19} Although 1 randomized, controlled trial of St John’s wort was conducted with adolescents with depression,^{20,21} most studies of herbal medication for mental health disorders have been completed in adults. These developments

underscore the importance of knowing the medical evidence and considering CAM therapies and CAM providers in the context of pediatric mental health care.

Need for Statement

The need for this statement was driven by the following forces:

- the recognition that adverse psychosocial experiences in childhood have lifelong adverse effects on mental and physical health and on psychosocial status^{22–25};
- the high prevalence of mental health disorders and substance abuse among children and adolescents: an estimated 10% to 11% of children and adolescents have both a mental health disorder and evidence of functional impairment²⁶;
- the prevalence of children who do not meet DSM-IV criteria for a disorder but who have clinically significant impairment (“problems” in DSM-PC terminology⁸), which is estimated to be equal to twice the prevalence of children with severe emotional disorders^{26–28};
- the prevalence of mental health concerns in pediatric populations^{29,30};
- the recognition that fully half of the adults in the United States with a mental health disorder had symptoms by the age of 14 years³¹;
- the low percentage of children receiving care for their mental health or substance abuse problems (~20%)^{26,32};
- the shortage and inaccessibility of specialty mental health services,³³ especially for underserved children from low-income families who do not fall within the target population of public/community mental health services;
- the disproportionate effects of unmet mental health needs on minority populations³⁴;

- the recognition that unidentified mental health comorbidities, such as anxiety and depression, are a significant force driving utilization of medical services³⁵; and
- the growing realization (articulated in the President's New Freedom Commission Report³⁶; *Mental Health: A Report of the Surgeon General*³⁶; the Future of Pediatric Education II (FOPE II)³⁷ study; and *Bright Futures: Guidelines for Health Supervision of Infants, Children, and Adolescents, Third Edition*³⁸; and by American Academy of Pediatrics [AAP] members [annual leadership forum resolutions]) that PCCs have a critical role to play in meeting children's mental health needs; in fact, at least 1 state is now requiring, by court order, universal mental health screening by PCCs for all children on Medicaid in that state.³⁹

RATIONALE FOR COMPETENCIES

Uniqueness of the PCC's Role

PCCs have a role in mental health care that differs substantively from that of mental health specialists, many of whom may be unfamiliar with problems as they present in primary care. The recommended competencies reflect these differences. Children and families who seek care from a mental health specialist do so because they have recognized a mental health need or because some crisis has compelled them. Children and families seeking care at primary care offices typically have not framed the visit as "mental health"-related. They may be seeking routine health supervision, acute care for a physical complaint, help with a challenging behavior, or simply reassurance. Ideally, PCCs would elicit psychosocial and mental health concerns from children and families in each of these situations. They would find ways to support and help the family that is

resistant to seeking mental health care and to recognize those emergent situations that compel an immediate intervention. If and when a family is ready to address a problem, PCCs may choose to assess and manage the child himself or herself—in roles similar to those of mental health specialists—or they may choose to guide the family toward appropriate referral sources. Whether providing mental health services alone or collaboratively, PCCs would monitor the child and family's functioning and progress in care, applying chronic care principles as they would for other children and youth with special health care needs.⁴⁰ PCCs ideally would be able to provide these mental health services within the constraints of a busy practice without compromising the efficiency and financial viability of the practice.

The Primary Care Advantage

The AAP recognizes the unique strengths of PCCs and the opportunities inherent in the primary care setting—"the primary care advantage"⁴¹—on which mental health competencies can build:

- a longitudinal, trusting, and empowering therapeutic relationship with children and family members;
- the family-centeredness of the medical home^{1-6,42,43};
- unique opportunities to prevent future mental health problems through promoting healthy lifestyles, anticipatory guidance, and timely intervention for common behavioral, emotional, and social problems encountered in the typical course of infancy, childhood, and adolescence (as described in *Bright Futures*)^{38,44,45};
- understanding of common social, emotional, and educational problems in the context of a child's development and environment³⁸;

- experience working with specialists in the care of children with special health care needs and serving as coordinator and case manager through the medical home; and
- familiarity with chronic care principles and practice-improvement methods.

Framework for Behavioral and Mental Health Competencies

In 1999, the Accreditation Council for Graduate Medical Education (ACGME) initiated the Outcome Project.⁴⁶ Through it, the ACGME established competencies to serve as the framework for residency curricula, organized into 6 domains: systems-based practice; patient care; medical knowledge; practice-based learning and improvement; interpersonal and communication skills; and professionalism. The competencies proposed in this report build on the ACGME framework with the expectation that they will be useful in setting goals for personal and professional growth in pediatric practice, for future board certification and recertification, and for residency training. Because achievement of system changes necessarily precedes other enhancements in mental health practice, the table of proposed mental health competencies for pediatric PCCs (Appendix 1) departs from the usual ACGME sequence, which includes systems-based practice as the final set of competencies, and instead begins with competencies for systems-based practice.

Assumptions

Traditional concepts of mental health care build on the assumption that treatment must follow diagnosis of a disorder; however, this approach offers only partial help for most children with mental health problems seen in primary care—those with significant dysfunction in the absence of a specific diagnosis.²⁷ The primary care setting

offers the unique opportunity for patient-clinician interaction to positively influence the clinical outcome of emerging problems, problems that do not meet the criteria of a DSM-IV disorder, and mild or undiagnosed disorders (“problems” in the DSM-PC classification⁸). The proposed competencies assume that PCCs can, in many instances, have a positive effect on a child’s mental health problems without knowing precisely the child’s diagnosis and in situations in which the child’s symptoms do not meet the criteria of a DSM-IV disorder.^{47–49}

“Generic” mental health skills proposed in this report are drawn from the literature on “common factors” in mental health care—techniques used to increase patients’ optimism, feelings of well-being, and willingness to work toward improvement, regardless of the specific diagnosis or problem identified.^{50–56} Other skills target symptoms that occur commonly across multiple mental health problems—feelings of anger, ambivalence, and hopelessness—and the family conflicts frequently associated with these problems. These skills come from family therapy,⁶ cognitive therapy,⁵⁷ motivational interviewing,⁵² family engagement,⁵⁸ family-focused pediatrics,^{42,43} and solution-focused therapy.⁵⁹

The proposed competencies further assume that collaboration—among PCCs and staff members within the primary care practice and between the PCC/practice and families, mental health specialists, educators, case managers, social service workers, juvenile justice staff, and other agency personnel—is a central requirement in caring for children with mental health problems. Collaboration between PCCs and mental health specialists may take the form of a referral with formal exchange of information, a special referral relationship with regular communication, meeting(s) to

discuss cases, meeting(s) of both the PCC and mental health specialist(s) with patients, or full integration of mental health and primary care services.⁶⁰ Models in which a licensed mental health specialist is integrated into a primary care practice have shown promise in improving access to services and treatment adherence, increasing efficiency and effectiveness of care, decreasing medical costs, increasing patient functioning and productivity, and improving patient and provider satisfaction.^{61–64} A regional network of child psychiatrists⁶⁵ offering real-time telephone consultation and referral to PCCs in Massachusetts enhances the capacity of PCCs to care for children with diagnostic comorbidity, complicated attention-deficit/hyperactivity disorder (ADHD), anxiety, and depression. The proposed competencies reflect the importance of clinicians’ staying abreast of collaborative approaches applicable to their particular setting and applying the growing body of evidence evaluating the effectiveness of various models.

A final assumption is that PCCs can expand their capacity beyond managing ADHD to care effectively for children with other commonly occurring pediatric mental health problems: anxiety, depression, and substance abuse.^{65,66–68} By routinely screening for mental health problems, recognizing symptoms early, educating children and families about self-management strategies, and offering first-line treatment, PCCs have the potential to improve the lives of many children and their families who might otherwise not receive mental health care or receive care only after problems become more severe and impairing.³⁸ In the case of children with a chronic medical condition and comorbid anxiety and depression, mental health care may also result in improvements in their physical health and decreases in

their utilization of emergency department and hospital services.⁵⁵

PROPOSED COMPETENCIES

The proposed competencies are detailed in Appendix 1. A summary follows.

Systems-Based Practice

Systemic changes will necessarily precede other enhancements in mental health practice. Competencies in this area will empower clinicians to work with other mental health advocates toward improving the organizational and financial base of care and, with that base in place, to establish effective coding and billing practices that will sustain mental health services.^{69,70}

Another skill set involves building collaborative relationships with individuals and agencies that provide mental health services and with organizations that represent youth and families who are experiencing mental illness. These relationships will enable clinicians to address service gaps, define respective roles, and coordinate services. A final set of systems-based competencies involves selecting tools and establishing systems within the practice to normalize and systematize integration of mental health and to apply medical home principles and the chronic care model to children with mental health problems.

Patient Care

Competencies in this area include clinical skills to build resilience, promote healthy lifestyles, and prevent or mitigate mental health problems in children; identify risk factors and emerging mental health problems in children and their families; screen for mental health issues; conduct an assessment of a child presenting with mental health concerns or a positive screening test; overcome barriers (perceived and/or experienced by children and their families) in seeking help for mental health

concerns; provide guidance to families on managing common behavioral problems and coping with adverse life events; and recognize mental health emergencies. A critical patient care skill is integrating child and family strengths, needs, and preferences; the use of clinicians' own skills (interpersonal, relational, assessment, diagnosis and management); and available resources into developing a care plan for children with mental health problems, involving mental health specialists when appropriate. The proposed competencies suggest that PCCs develop the capacity to provide care to children with ADHD, anxiety, depression, and substance abuse.

Medical Knowledge

This set of competencies focuses on applying current science to the mental health screening and assessment process and to decision-making about pharmacologic and psychosocial interventions in primary care. Foundational elements include the diagnostic classification of mental health variations, problems, and disorders in primary care (DSM-PC)⁸ and the evidence base for screening, therapeutic interventions, and behavior change science, as applied to mental health practice.

Practice-Based Learning and Improvement

This skill set enables the clinician to set and achieve learning and practice-improvement goals. Components include development of office protocols for the assessment and care of children with mental health problems and implementation of a quality-improvement program.

Interpersonal and Communication Skills

These skills are central to effective mental health practice within the rapid pace of a primary care practice,

including common-factors approaches that are effective across a range of mental health conditions (see "Assumptions"). They also encompass effective exchange of information between PCCs and others involved in the care of the child and family.⁷¹

Professionalism

These skills build on respect for children and their families and sensitivity to cultural differences. In addition to facilitating child-clinician and family-clinician empathic relationships, which are the heart of effective mental health practice, they enable the clinician to discuss such issues as confidentiality and his or her own professional limitations.^{72,73}

RECOMMENDATIONS

PCCs should:

- partner with parents, mental health specialists, and AAP chapter and national leaders to achieve competencies in systems-based practice, such as advocating with insurers for appropriate payment, and with policy makers for funding of mental health services^{74,75};
- build relationships with mental health specialists with whom they can collaborate in enhancing their mental health knowledge and skills;
- with necessary system changes in place (eg, payment, collaborative relationships), adopt the goal of achieving the full complement of mental health competencies outlined in Appendix 1;
- advocate for innovations in residency training and continuing medical education activities to increase the knowledge base and skill level of PCCs in accordance with these competencies; and
- pursue educational strategies suited to their own learning style and skill level for achieving the mental health competencies.

EDUCATIONAL STRATEGIES AND IMPLEMENTATION CHALLENGES

These competencies are put forward as goals for all clinicians who serve children. Some clinicians have achieved many, if not most, of these competencies through development of their own knowledge and skills. Some achieve competence through collaborative practice with mental health specialists, as described above. Some are just setting out to achieve competence in mental health practice.

The AAP recognizes the serious maldistribution of mental health resources for children and their families. There are many areas of the country where specialty mental health services are unavailable or inaccessible; in these settings, clinicians may feel a sense of urgency to achieve and apply the full set of mental health competencies. Where mental health specialty services are more readily available, PCCs have the opportunity to establish collaborative relationships with mental health specialist(s), such as a mental health specialist colocated within the primary care setting, a psychiatrist consulting via telephone or videoconference, a mental health specialist providing cognitive behavioral therapy to a child being treated by the PCC with an antidepressant drug, or any number of other collaborative models.^{60–63} Such relationships serve to educate the PCC and enhance services to children in their mutual care.

Achieving the proposed competencies will require new educational approaches as well as systems changes. With the exception of ADHD,^{76,77} little evidence is available to guide PCCs in the unique aspects of their role as mental health care providers, and few experts in mental health/substance abuse have experience practicing in busy primary care settings within the context of primary care's average 16.3-minute⁷⁸ visits and payment realities.

Strategies for Residency Education

Just as mental health practice in primary care settings is collaborative, the process of training PCCs for primary care practice will necessarily be collaborative. Content experts (eg, developmental-behavioral pediatricians, child psychiatrists, adolescent medicine specialists, clinical psychologists, nurses with advanced psychiatric training, social workers) can join with primary care experts—clinicians who are effective in delivering primary medical care and managing children's chronic conditions in partnership with families—to train the next generation of PCCs. For academic generalists who have not received mental health training, collaboration with mental health specialist(s) to train PCCs will be particularly important. This training might take the form of coprecepting in residency continuity clinics, partnering to conduct inpatient rounds, and codeveloping didactic programs. While benefiting from the content expertise of their mental health colleagues, pediatric academicians will have the opportunity to model the collaborative, multidisciplinary relationships that underlie effective mental health practice.

Data from the 2007 AAP Graduating Residents Survey suggest that completion of an elective child psychiatry rotation and more training in mental health assessment, education, and treatment related to children are associated with greater confidence in identifying and treating pediatric mental health problems.⁷⁹ Additional research will be necessary to determine which educational methodologies are associated with the best outcomes. These findings have significant implications for the apportionment of time to mental health training within pediatric residency programs. Clearly, the 1-month developmental-behavioral pediatric rotation (often shortened by

vacation time) is insufficient to accommodate necessary additions to the curriculum.

Strategies for Education of Experienced Clinicians

Experienced PCCs will benefit from approaches that build on skills they have developed over years of working with children and families. Wissow et al⁴⁹ have demonstrated that experienced PCCs can, in appropriate circumstances, provide evidence-based care of children with mental health and substance abuse problems or disorders of mild severity and functional impairment across diagnostic categories. Children treated by PCCs trained in mental health communication techniques have shown modest but significant improvement in mental health functioning, and their parents showed reduction in distress, compared with children treated by clinicians who did not receive training in mental health care.⁴⁹ Additional research will be necessary to adapt these techniques to the training of less-experienced clinicians.

Collaborative office rounds have been established in various communities for the purpose of enhancing mental health knowledge and skills of PCCs and their communication with mental health specialists.^{80,81} One- to 2-hour sessions typically involve psychiatrists and/or developmental-behavioral pediatricians and PCCs in a case-based discussion.

Several groups of mental health educators have developed comprehensive training to prepare mental health specialists and primary care professionals for their respective roles in collaborative practice.^{82,83} The AAP Task Force on Mental Health is collecting information about such trainings on its Web site (www.aap.org/mentalhealth) and has begun the process of keying proposed educational sessions at the

National Conference and Exhibition and other AAP events to the mental health competencies put forward in this document. Clinicians may also work toward enhancing mental health competence by monitoring their psychosocial care in maintenance of certification by using such quality-improvement programs as eQIPP (Education in Quality Improvement for Pediatric Practice) and developing relevant pay-for-performance and quality indicators for health plans.

The most fundamental of all the proposed mental health competencies is the capacity to assess one's own knowledge and skills in mental health care and to establish a mechanism to update them, addressing the gaps that inevitably accompany gains in science. A growing number of educational resources developed by the AAP, the American Academy of Family Physicians, the National Association of Pediatric Nurse Practitioners, the American Psychiatric Association, the National Association of Social Workers, the American Academy of Child and Adolescent Psychiatry, and the American Psychological Association are available on their respective Web sites (Appendix 2). A powerful educational strategy is the cross-fertilization that occurs through a PCC's relationship with mental health specialists—authentic collaboration in the assessment and management of children in their mutual care and regular exchange of information about the child's and family's progress. This type of collaboration, together with openness to applying new science, will be essential for achieving and maintaining competence in mental health practice.

CONCLUSIONS

Attainment of the mental health competencies proposed in this report is a future goal, not a current expectation. It will require systemic changes,

new methods of financing, practice enhancements, new (or honed) skills, access to reliable sources of information about existing evidence and new science, and innovative educational methods. These changes will be incremental and will require substantial investments by the AAP and its partner organizations and by clinicians working at both the community and practice levels. Gains are also likely to be substantial, including the improved well-being of children and their families and enhanced satisfaction of PCCs.

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REFERENCES

1. American Academy of Pediatrics, Task Force on the Family. Family pediatrics: report of the Task Force on the Family. *Pediatrics*. 2003;111(6 pt 2):1541–1571
2. Wertlieb D. Converging trends in family research and pediatrics: recent findings for the American Academy of Pediatrics Task Force on the Family. *Pediatrics*. 2003;111(6 pt 2):1572–1587
3. Blanchard LT, Gurka MJ, Blackman JA. Emotional, developmental, and behavioral health of American children and their families: a report from the 2003 National Survey of Children's Health. *Pediatrics*. 2006;117(6). Available at: www.pediatrics.org/cgi/content/full/117/6/e1202
4. Kim HK, Viner-Brown SI, Garcia J. Children's mental health and family functioning in Rhode Island. *Pediatrics*. 2007;119(suppl 1):S22–S28
5. Beardslee WR, Gladstone TRG, Wright EJ, Cooper AB. A family-based approach to the prevention of depressive symptoms in children at risk: evidence of parental and child change. *Pediatrics*. 2003;112(2). Available at: www.pediatrics.org/cgi/content/full/112/2/e119
6. Allmond BW, Tanner JL, Gofman HF. *The Family Is the Patient: Using Family Interviews in Children's Medical Care*. Baltimore, MD: Williams & Wilkins; 1999
7. American Academy of Pediatrics, Council on Children With Disabilities. Care coordination in the medical home: integrating health and related systems of care for children with special health care needs. *Pediatrics*. 2005;116(5):1238–1244
8. Wolraich ML, Felice ME, Drotar D, eds. *The Classification of Child and Adolescent Mental Diagnoses in Primary Care: Diagnostic and Statistical Manual for Primary Care (DSM-PC)*. Child and adolescent version. Elk Grove Village, IL: American Academy of Pediatrics; 1996
9. American Psychiatric Association. *Diagnostic and Statistical Manual of Mental Disorders*. 4th ed. Primary care version. International version with ACD-10 codes. Washington, DC: American Psychiatric Association; 1996
10. Sinha D, Efron D. Complementary and alternative medicine use in children with attention deficit hyperactivity disorder. *J Paediatr Child Health*. 2005;41(1–2):23–26
11. Levy SE, Hyman SL. Use of complementary and alternative treatments for children with autistic spectrum disorders is increasing. *Pediatr Ann*. 2003;32(10):685–691
12. Bogarapu S, Bishop JR, Krueger CD, Pavuluri MN. Complementary medicines in pediatric bipolar disease [in Italian]. *Minerva Pediatr*. 2008;60(1):103–114

13. Kemper KJ, Shannon S. Complementary and alternative medicine therapies to promote healthy moods. *Pediatr Clin North Am*. 2007;54(6):901–926; x
14. Weber W, Newmark S. Complementary and alternative medical therapies for attention-deficit/hyperactivity disorder and autism. *Pediatr Clin North Am*. 2007;54(6):983–1006
15. Schulz V. Safety of St John's wort extract compared to synthetic antidepressants. *Phytomedicine*. 2006;13(3):199–204
16. Trautmann-Sponsel RD, Dienel A. Safety of *Hypericum* extract in mildly to moderately depressed outpatients: a review based on data from three randomized, placebo-controlled trials. *J Affect Disord*. 2004;82(2):303–307
17. Kemper KJ, Vohra S, Walls R; American Academy of Pediatrics, Task Force on Complementary and Alternative Medicine, Provisional Section on Complementary, Holistic, and Integrative Medicine. The use of complementary and alternative medicine in pediatrics. *Pediatrics*. 2008;122(6):1374–1386
18. Nieuwstraten C, Labiris NR, Holbrook A. Systematic overview of drug interactions with antidepressant medications. *Can J Psychiatry*. 2006;51(5):300–316
19. Singh YN. Potential for interaction of kava and St John's wort with drugs. *J Ethnopharmacol*. 2005;100(1–2):108–113
20. Findling RL, McNamara NK, O'Riordan MA, et al. An open-label pilot study of St John's wort in juvenile depression. *J Am Acad Child Adolesc Psychiatry*. 2003;42(8):908–914
21. Simeon J, Nixon MK, Milin R, Jovanovic R, Walker S. Open-label pilot study of St John's wort in adolescent depression. *J Child Adolesc Psychopharmacol*. 2005;15(2):293–301
22. Anda RF, Brown DW, Felitti VJ, Bremner JD, Dube SR, Giles WH. Adverse childhood experiences and prescribed psychotropic medications in adults. *Am J Prev Med*. 2007;32(5):389–394
23. Dube SR, Felitti VJ, Dong M, Chapman DP, Giles WH, Anda RF. Childhood abuse, neglect, and household dysfunction and the risk of illicit drug use: the Adverse Childhood Experiences Study. *Pediatrics*. 2003;111(3):564–572
24. Dong M, Giles WH, Felitti VJ, Dube SR, Williams JE, Chapman DP, Anda RF. Insights into causal pathways for ischemic heart disease: adverse childhood experiences study. *Circulation*. 2004;110(13):1761–1766
25. Hillis SD, Anda RF, Dube SR, Felitti VJ, Marchbanks PA, Marks JS. The association between adverse childhood experiences and adolescent pregnancy, long-term psychosocial consequences, and fetal death. *Pediatrics*. 2004;113(2):320–327
26. US Department of Health and Human Services. *Mental Health: A Report of the Surgeon General*. Rockville, MD: US Department of Health and Human Services, Substance Abuse and Mental Health Services Administration, Center for Mental Health Services, National Institutes of Health, National Institute of Mental Health; 1999
27. Burns BJ, Costello EJ, Angold A, et al. Children's mental health service use across service sectors. *Health Aff (Millwood)*. 1995;14(3):147–159
28. Briggs-Gowan MJ, Owens PL, Schwab-Stone ME, Leventhal JM, Leaf PJ, Horwitz SM. Persistence of psychiatric disorders in pediatric settings. *J Am Acad Child Adolesc Psychiatry*. 2003;42(11):1360–1369
29. Brown JD, Wissow LS, Gadomski A, et al. Parent and teacher mental health ratings of children using primary care services: interrater agreement and implications for mental health screening. *Ambul Pediatr*. 2006;6(6):347–351
30. Jellinek MS, Murphy JM, Little M, Pagano ME, Comer DM, Kelleher KJ. Use of the Pediatric Symptom Checklist to screen for psychosocial problems in pediatric primary care: a national feasibility study. *Arch Pediatr Adolesc Med*. 1999;153(3):254–260
31. Kessler RC, Berglund P, Demler O, Jin R, Merikangas KR, Walters EE. Lifetime prevalence and age-of-onset distributions of DSM-IV disorders in the National Co-morbidity Survey replication. *Arch Gen Psychiatry*. 2005;62(6):593–602
32. Kataoka S, Zhang L, Wells K. Unmet need for mental health care among US children: variation by ethnicity and insurance status. *Am J Psychiatry*. 2002;159(9):1548–1555
33. Thomas CR, Holzer CE III. The continuing shortage of child and adolescent psychiatrists. *J Am Acad Child Adolesc Psychiatry*. 2006;45(9):1023–1031
34. US Department of Health and Human Services. *Mental Health: Culture, Race, and Ethnicity—A Supplement to Mental Health. A Report of the Surgeon General*. Rockville, MD: US Department of Health and Human Services, Public Health Service, Office of the Surgeon General; 2001
35. Bernal P. Hidden morbidity. *Pediatr Ann*. 2003;32(6):413–418
36. New Freedom Commission on Mental Health. *Achieving the Promise: Transforming Mental Health Care in America*. Rockville, MD: US Department of Health and Human Services; 2003. DHHS publication No. SMA-03-3831

37. American Academy of Pediatrics, Future of Pediatric Education II Project. The Future of Pediatric Education II: organizing pediatric education to meet the needs of infants, children, adolescents, and young adults in the 21st century. *Pediatrics*. 2000;105(1):163–212
38. Hagan JF, Shaw JS, Duncan PM, eds. *Bright Futures: Guidelines for Health Supervision of Infants, Children, and Adolescents*. 3rd ed. Elk Grove Village, IL: American Academy of Pediatrics; 2008
39. Rosie D. Reforming the mental health system in Massachusetts. Center for Public Representation Web site. Available at: www.rosied.org/Default.aspx?pagelid=67061. Accessed March 9, 2009
40. Wagner EH. Chronic disease management: what will it take to improve care for chronic illness? *Eff Clin Pract*. 1998;1(1):2–4
41. Harris M. *Rural Private Pediatric Practice Ownership and Management of a Mental Health Practice* [teleconference audio file]. Elk Grove Village, IL: American Academy of Pediatrics; October 25, 2006. Available at: www.aap.org/commpeds/dochs/mentalhealth. Accessed August 24, 2007
42. Coleman WL, Howard BJ. Family-focused behavioral pediatrics: clinical techniques for primary care. *Pediatr Rev*. 1995;16(12):448–455
43. Coleman WL. Family focused pediatrics: solution oriented techniques for behavioral problems. *Contemp Pediatr*. 1997;14(7):121–134
44. Garg A, Butz AM, Dworkin PH, Lewis RA, Thompson RE, Serwint JR. Improving the management of family psychosocial problems at low-income children's well-child care visits: the WE CARE Project. *Pediatrics*. 2007;120(3):547–558
45. Ginsburg KR; American Academy of Pediatrics, Committee on Communications, Committee on Psychosocial Aspects of Child and Family Health. The importance of play in promoting healthy child development and maintaining strong parent-child bonds. *Pediatrics*. 2007;119(1):182–191
46. Accreditation Council for Graduate Medical Education. Outcome Project. Available at: www.acgme.org/Outcome. Accessed July 15, 2007
47. Roter DL, Hall JA, Kern DE, Barker LR, Cole KA, Roca RP. Improving physicians' interviewing skills and reducing patients' emotional distress: a randomized clinical trial. *Arch Intern Med*. 1995;155(17):1877–1884
48. Finset A, Ekeberg Ø, Eide H, Aspegren K. Long-term benefits of communication skills training for cancer doctors. *Psychooncology*. 2003;12(7):686–693
49. Wissow LS, Gadomski A, Roter D, et al. Improving child and parent mental health in primary care: a cluster-randomized trial of communication skills training. *Pediatrics*. 2008;121(2):266–275
50. Lazear KJ, Worthington J, Detres M. *Family Experience of the Mental Health System (FEMHS): Findings Compendium—Findings Brief 5. Helpfulness of Formal Services, Family Organizations and Informal Supports*. Tampa, FL: University of South Florida, Louis de la Parte Florida Mental Health Institute, Research and Training Center for Children's Mental Health; 2004. FMHI series publication No. 224–5. Available at: <http://rtckids.fmhi.usf.edu/rtcpubs/familyexperience.cfm>. Accessed August 24, 2007
51. Horvath AO. The therapeutic relationship: from transference to alliance. *J Clin Psychol*. 2000;56(2):163–173
52. Miller WR, Rollnick S. *Motivational Interviewing: Preparing People for Change in Addictive Behavior*. 2nd ed. New York, NY: Guilford Press; 2002
53. Karver MS, Handelsman JB, Fields S, Bickman L. Meta-analysis of therapeutic relationship variables in youth and family therapy: the evidence for different relationship variables in the child and adolescent treatment outcome literature. *Clin Psychol Rev*. 2006;26(1):50–65
54. Kazdin AE, Marciano PL, Whitely MK. The therapeutic alliance in cognitive-behavioral treatment of children referred for oppositional, aggressive, and anti-social behavior. *J Consult Clin Psychol*. 2005;73(4):726–730
55. Grenca LM, Norcross JC. Where are the commonalities among the therapeutic common factors? *Prof Psychol Res Pr*. 1990;21(5):372–378
56. Castonguay LG, Beutler LE. Principles of therapeutic change: a task force on participants, relationships, and techniques factors. *J Clin Psychol*. 2006;62(6):631–638
57. Klar H, Coleman WL. Brief solution-focused strategies for behavioral pediatrics. *Pediatr Clin North Am*. 1995;42(1):131–141
58. McKay MM, McCadam K, Gonzales J. Addressing barriers to mental health services for inner-city children and their caretakers. *Community Ment Health J*. 1996;32(4):353–361
59. Selekman, MD. *Solution-Focused Therapy With Children: Harnessing Family Strengths*. New York, NY: Guilford Press; 1997
60. Blount A, ed. *Integrated Primary Care: The Future of Medical & Mental Health Collaboration*. New York, NY: W. W. Norton & Co Inc; 1998
61. Oski J. *Teens, Telepsychiatry, and School-Based Health Care From Principles to Practice* [telecon-

- ference audio file]. Elk Grove Village, IL: American Academy of Pediatrics; October 25, 2006. Available at: www.aap.org/mentalhealth/docs/oski%20powerpoint.pdf. Accessed August 24, 2007
62. Massachusetts Behavioral Health Partnership Web site. Available at: www.masspartnership.com. Accessed July 15, 2007
 63. Connor DF, McLaughlin TJ, Jeffers-Terry M, et al. Targeted child psychiatric services: a new model of pediatric primary clinician-child psychiatry collaborative care. *Clin Pediatr (Phila)*. 2006;45(5):423–434
 64. Williams J, Shore SE, Foy JM. Co-location of mental health professionals in primary care settings: three North Carolina models. *Clin Pediatr (Phila)*. 2006;45(6):537–543
 65. Massachusetts Child Psychiatry Access Project Web site. Available at: www.mcpap.org. Accessed August 29, 2008
 66. Williams J, Klinepeter K, Palmes G, Pulley A, Foy JM. Diagnosis and treatment of behavioral health disorders in pediatric practice. *Pediatrics*. 2004;114(3):601–606
 67. Borowsky IW, Mozayeny S, Ireland M. Brief psychosocial screening at health supervision and acute care visits. *Pediatrics*. 2003;112(1 pt 1):129–133
 68. Cassidy LJ, Jellinek MS. Approaches to recognition and management of childhood psychiatric disorders in pediatric primary care. *Pediatr Clin North Am*. 1998;45(5):1037–1052
 69. American Academy of Pediatrics, Committee on Child Health Financing. Principles of child health care financing. *Pediatrics*. 2003;112(4):997–999
 70. American Academy of Pediatrics, Committee on Adolescence, Committee on Child Health Financing. Underinsurance of adolescents: recommendations for improved coverage of preventive, reproductive, and behavioral health care services. *Pediatrics*. 2009;123(1):191–196
 71. Levetown M; American Academy of Pediatrics, Committee on Bioethics. Communicating with children and families: from everyday interactions to skill in conveying distressing information. *Pediatrics*. 2008;121(5). Available at: www.pediatrics.org/cgi/content/full/121/5/e1441
 72. Fallat ME, Glover J; American Academy of Pediatrics, Committee on Bioethics. Professionalism in pediatrics. *Pediatrics*. 2007;120(4). Available at: www.pediatrics.org/cgi/content/full/120/4/e1123
 73. American Academy of Pediatrics, Committee on Bioethics. Professionalism in pediatrics: statement of principles. *Pediatrics*. 2007;120(4):895–897
 74. American Academy of Pediatrics, Task Force on Mental Health. *Strategies for System Change in Children's Mental Health: A Chapter Action Kit*. Elk Grove Village, IL: American Academy of Pediatrics; 2007. Available at: www.aap.org/mentalhealth/mh2ch.html. Accessed April 21, 2009
 75. American Academy of Child and Adolescent Psychiatry, Committee on Health Care Access and Economics; American Academy of Pediatrics, Task Force on Mental Health. Improving mental health services in primary care: reducing administrative and financial barriers to access and collaboration. *Pediatrics*. 2009;123(4):1248–1251
 76. American Academy of Pediatrics, Committee on Quality Improvement, Subcommittee on Attention-Deficit/Hyperactivity Disorder. Clinical practice guideline: diagnosis and evaluation of the child with attention-deficit/hyperactivity disorder. *Pediatrics*. 2000;105(5):1158–1170
 77. American Academy of Pediatrics, Subcommittee on Attention-Deficit/Hyperactivity Disorder, Committee on Quality Improvement. Clinical practice guideline: treatment of the school-aged child with attention-deficit/hyperactivity disorder. *Pediatrics*. 2001;108(4):1033–1044
 78. Cherry KD, Woodwell DA, Rechtsteiner EA. National Ambulatory Medical Care Survey: 2005 summary. *Adv Data Vital Health Stat*. 2007;(387):1–40
 79. Caspary G, Horwitz S, Singh M, et al. Mental health training during residency is associated with greater confidence in mental health care. Paper presented at: Pediatric Academic Societies annual meeting; May 3–6, 2008; Honolulu, HI
 80. DeMaso DR, Knight JR, eds. *Collaboration Essentials for Pediatric and Child and Adolescent Psychiatry Residents: Working Together to Treat the Child*. American Academy of Child and Adolescent Psychiatry and American Academy of Pediatrics. Boston, MA: Children's Hospital Boston; 2004
 81. Fishman ME, Kessel W, Heppel DE, et al. Collaborative office rounds: continuing education in the psychosocial/developmental aspects of child health. *Pediatrics*. 1997;99(4). Available at: www.pediatrics.org/cgi/content/full/99/4/e5
 82. Integrated Primary Care. Consulting for integrated primary care. Available at: www.integratedprimarycare.com/consulting%20for%20integrated%20primary%20care.htm. Accessed August 1, 2007
 83. The REACH Institute. Child and Adolescent Training Institute in Evidence-based Treatments. Available at: www.reach-institute.net/TrainingInstituteinEvidence-basedTreatments.html. Accessed October 19, 2007

APPENDIX 1 Proposed Mental Health Competencies for Pediatric PCCs

“Systems-based practice”: clinicians providing primary care to children and adolescents should be able to do the following

“Improve the organizational and financial base of care”

1. Apply collaborative strategies applicable to advocating with insurers and payers for appropriate payment to PCCs and mental health specialists for their mental health services
2. Utilize appropriate coding and billing practices to support mental health services

“Build community collaborations”

3. Establish collaborative relationships with support groups; professionals available within the community (eg, early intervention specialists, school personnel, child care professionals, mental health specialists); and/or community agencies (eg, departments of social services, juvenile justice system, nonprofit agencies providing mental health and substance abuse services to children and families) and define respective roles in assessment, treatment, coordination of care, exchange of information, and family support
4. Participate in multidisciplinary meetings, appropriately applying such skills as reflective listening, mediation, and leadership skills
5. Apply collaborative approaches involving parents and mental health specialists to advocate for services and educational resources relevant to the full range of children's/adolescents' and families' mental health needs, including those of special populations, such as abused children, children in foster care, homeless children, children of international political refugees and other recent immigrants, children with physical or mental disabilities, children displaced by disasters, children of separated and divorced parents, children of parents deployed for military service, and youth involved in the juvenile justice system

“Enhance the practice”

6. Establish systems within their practice to support mental health services; elements include
 - a. a directory of mental health and substance abuse referral sources and family support resources in the region
 - b. established procedures for promoting healthy lifestyles, including exercise, sleep, optimal nutrition, stress management, decreasing exposure to environmental toxins and stressors, and seeking support within the community eliciting a history of patients' involvement in mental health specialty care requesting consent to collect information from collateral sources such as mental health professionals, schools, and social service agencies obtaining and documenting the child's and family's psychosocial history managing psychiatric emergencies screening for occult mental health problems
 - c. registries of patients with mental health problems (including children for whom psychopharmacologic agents have been prescribed and children/families not prepared to take action on mental health concerns)
 - d. evidence-based protocols and monitoring/tracking mechanisms for the care of children with mental health problems
 - e. culturally and linguistically appropriate educational materials on mental health topics for children and families
 - f. tools for facilitating coding and billing specific to mental health
7. Establish a practice environment that normalizes integration of mental health and incorporates medical home principles for the care of children with mental health concerns as for children and youth with other special health care needs

“Patient care”: clinicians providing primary care to children and adolescents should be able to do the following

1. Promote mental health resilience through reinforcing child and family strengths and counseling families in healthy lifestyles (eg, nutrition, exercise, play, limited screen time, sleep, family time, stress management, decreased exposure to environmental toxins, and promotion of social capital)
2. Integrate a brief psychosocial update into acute care visits
3. Select, use, and interpret tools appropriate to the primary care setting for such purposes as screening for mental health problems, functional assessment of children and families, collection of information from collateral sources (eg, schools, agencies, juvenile justice system, other health professionals), and diagnostic assessment
4. Conduct history, physical assessment, and observations of parent-child interaction indicated by presenting mental health concerns and/or positive screening test(s) results
5. Differentiate normal behavioral variations, mental health problems and disorders, physical conditions with mental health manifestations, and adverse medication effects
6. Identify potential behavioral, mental health, and/or learning differences/problems reflected in report cards, academic test results, Individualized Family Service Plans, or Individualized Education Plans
7. Recognize common mental health comorbidities in children with physical and cognitive disabilities, chronic medical conditions, and mental health disorders
8. Plan diagnostic assessment, alone or in collaboration with mental health specialists, of children and youth with special health care needs who have comorbid mental health issues; infants and young children manifesting difficulties with communication and/or attachment; and children and adolescents presenting with anxious or avoidant behaviors, inattention and hyperactivity, depressive or withdrawn behaviors, oppositional or aggressive behaviors, problems with eating, substance use, exposure to trauma or loss, learning differences, and poor academic performance
9. Analyze results from mental health screening, history, and physical assessment to determine a child's/family's need for further assessment and/or intervention
10. Provide guidance to families on managing common mental health problems; on coping with adverse life events such as parental separation and illness or death of a loved one; and on use of educational resources appropriate to their literacy level and cultural and individual needs
11. Recognize mental health emergencies, severe functional impairment, and complex mental health symptoms that require mental health specialty care
12. Assist families in seeking and using care of a mental health specialist and/or facility that provides evidence-based services appropriate to a child's/family's needs and preferences
13. Develop a contingency or crisis plan for a child or adolescent with an urgent mental health problem
14. Apply strategies to monitor adverse and positive effects of nonpharmacologic and pharmacologic therapy
15. Integrate child/family strengths, needs, and preferences; clinician's own skills; and available resources into development of a care plan for children with mental health problems, alone or in collaboration with mental health specialists (including further assessment; child/family education about the condition[s]; evidence-based nonpharmacologic and, if indicated, pharmacologic interventions; communication with family and collaborating professionals; monitoring mechanisms; and routine health supervision)

APPENDIX 1 Continued

16. Initiate the process of care, alone or in collaboration with other clinicians, for children experiencing functional impairment from ADHD, anxiety, depression, or substance use/abuse, as desired by the child or family

“Medical knowledge”: clinicians providing primary care to children and adolescents should be able to do the following

1. Access current data about the safety and efficacy of common pharmacologic and psychosocial interventions in children and adolescents
2. Access current data about interactions between prescription drugs and dietary supplements commonly used for mental health problems
3. Apply the DSM-PC criteria for the diagnoses of ADHD, major depressive disorder, and other disorders for which the clinician considers pharmacologic therapy
4. Use evidence-based interventions for children and adolescents with anxiety disorders (including posttraumatic stress disorder), ADHD, depression, and substance abuse
5. Apply principles of behavior-change science to mental health practice

“Practice-based learning and improvement”: clinicians providing primary care to children and adolescents should be able to do the following

1. “Identify strengths, deficiencies, and limits in one’s own knowledge and expertise” concerning mental health and substance abuse assessment and care
2. “Set learning and improvement goals”
3. “Identify and perform appropriate learning activities”
4. “Locate, appraise, and assimilate evidence from scientific studies related to their patients’ problems”
5. “Use information technology to optimize learning”
6. Apply learning to development of office protocols for the assessment and care of children with mental health disorders
7. “Systematically analyze practice, using quality improvement methods, and implement changes with the goal of practice improvement” in mental health care

“Interpersonal and communication skills”: clinicians providing primary care to children and adolescents should be able to do the following

1. Elicit mental health concerns from a child or adolescent and family
2. Explore the cultural context of a child and family’s symptoms or concerns
3. Collaborate with child/adolescent and family to establish the agenda for an outpatient visit involving a mental health issue
4. Identify and address barriers preventing a child and/or family from seeking or accepting help for a mental health problem (eg, sense of hopelessness, inadequate insurance or financial resources, family conflict, stigma)
5. Manage resistance or anger in child/adolescent and/or family
6. Apply motivational interviewing techniques, family engagement strategies, and behavioral contracts to seek consensus on a mental health plan of action and to prepare the family for a mental health consultation
7. Interpret to families current evidence related to the safety and efficacy of relevant therapeutic options
8. Promote healthy lifestyles that contribute to mental health
9. “Communicate effectively with physicians, other health professionals, health-related agencies” and educators in the mutual care of children and adolescents
10. Clarify and discuss psychological test results, mental health findings, and concerns to children, adolescents, and families in language that is appropriate for age, education level, and cultural norms
11. Bring a mental health visit to a close in a supportive, efficient manner

“Professionalism”: clinicians providing primary care to children and adolescents should be able to do the following

1. “Demonstrate compassion, integrity, and respect” for all children and family members
2. Demonstrate sensitivity to cultural differences and family preferences in addressing mental health concerns
3. Establish clear expectations in children, adolescents, and their families about conditional confidentiality (specific to state laws), exchange of protected health information, and business practices
4. Discuss one’s professional limitations in knowledge and skills as part of the referral process

The ACGME has published “general competencies,” which in some cases overlap those outlined in this document but bear restatement in the context of mental health care. ACGME wording is shown in quotes. The AAP recognizes that achievement of the competencies proposed in this table is a long-term goal, requiring training and resources that have yet to be developed. The AAP is committed to the development of the resources and training needed to assist pediatricians in achieving these competencies.

APPENDIX 2 Web Resources for Treatment and Referral Decisions for Primary Care

1. American Academy of Pediatrics Children’s Mental Health in Primary Care Web site. Available at: www.aap.org/mentalhealth.
2. National Institute on Drug Abuse (NIDA) (provides resources on substance abuse and mental health issues). Available at: www.nida.nih.gov.
3. American Academy of Child and Adolescent Psychiatry (AACAP) (access to practice parameters on a variety of mental health topics). Available at: www.aacap.org/cs/root/member_information/practice_information/practice_parameters/practice_parameters.
4. Hawaii State Department of Health (evidence-based child and adolescent psychosocial interventions). Available at: www.hawaii.gov/health/mental-health/camhd/library/webs/ebs/ebs-index.html.
5. GeneralPediatrics.com (many links, especially to child psychiatry and practice parameters). Available at: www.generalpediatrics.com.
6. National Guideline Clearinghouse (a public resource for evidence-based clinical practice guidelines; an initiative of the Agency for Healthcare Research and Quality, US Department of Health and Human Services). Available at: www.guideline.gov.
7. University of Buffalo School of Social Work (provides a description of the signs and symptoms of disorders that affect children and adolescents, as well as current evidence-based practices for each disorder). Available at: www.socialwork.buffalo.edu/conted/EBP/index.htm.
8. Substance Abuse and Mental Health Services Administration (SAMHSA) National Registry of Evidence-Based Programs and Practices (a searchable online registry of mental health and substance abuse interventions reviewed and rated by independent reviewers). Available at: www.nrepp.samhsa.gov.

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Mental Health
Pediatrics 2009;124:410
DOI: 10.1542/peds.2009-1061

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Pediatrics 2009;124:410

DOI: 10.1542/peds.2009-1061

The online version of this article, along with updated information and services, is located on the World Wide Web at:

<http://pediatrics.aappublications.org/content/124/1/410>

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