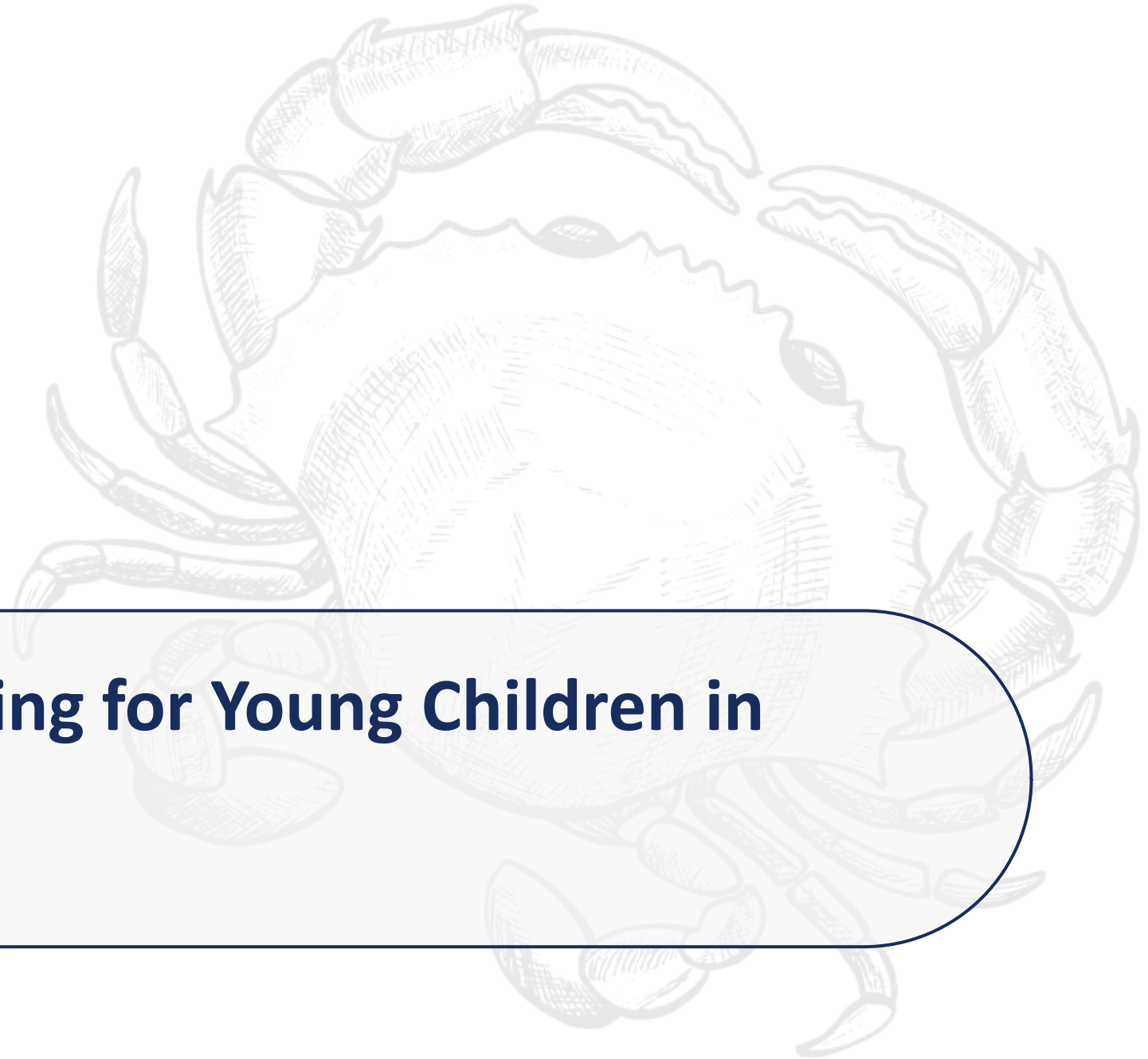


Surveillance and Screening for Young Children in Pediatric Primary Care

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Disclosures



- No potential conflicts of interest
- Faculty at University of Maryland

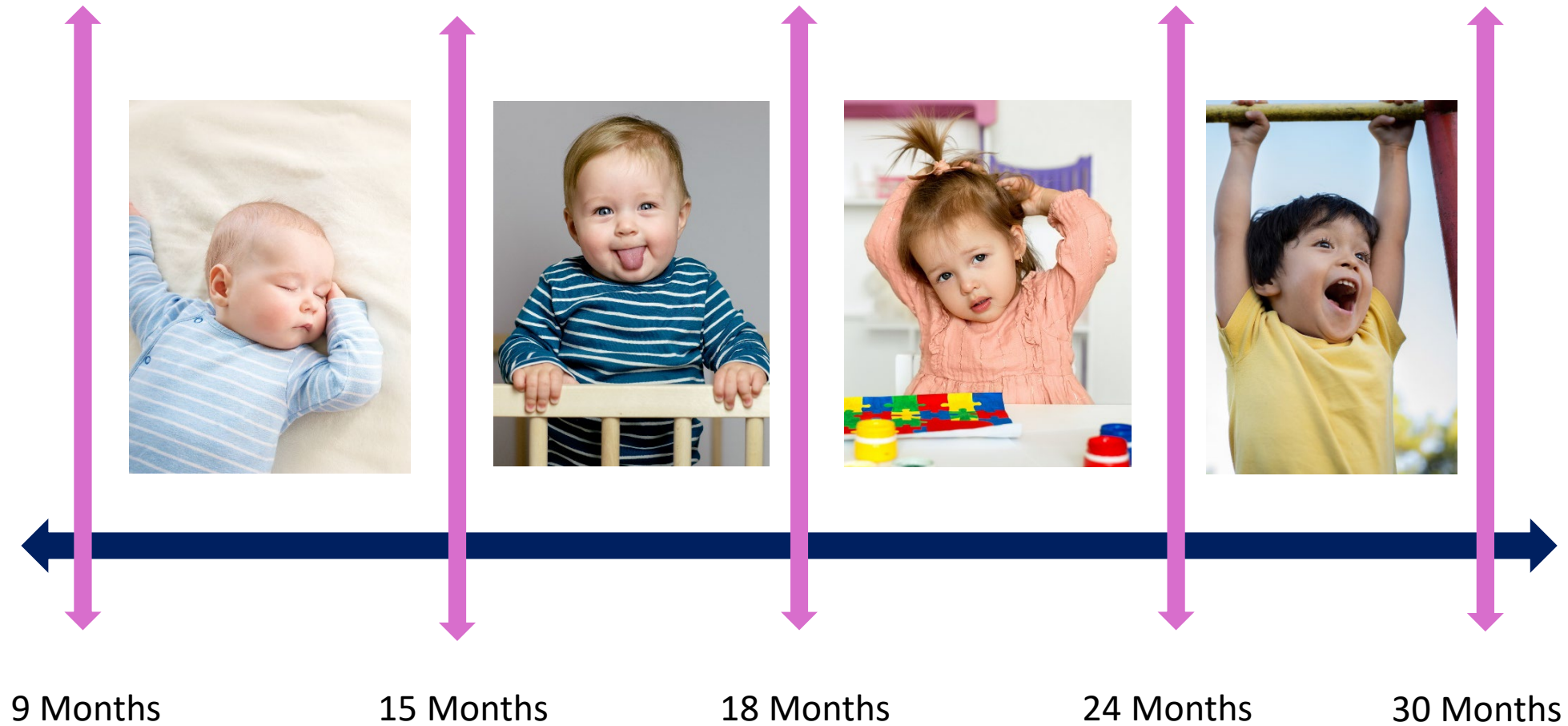
Learning Objectives



By the end of this lesson, participants will be able to....

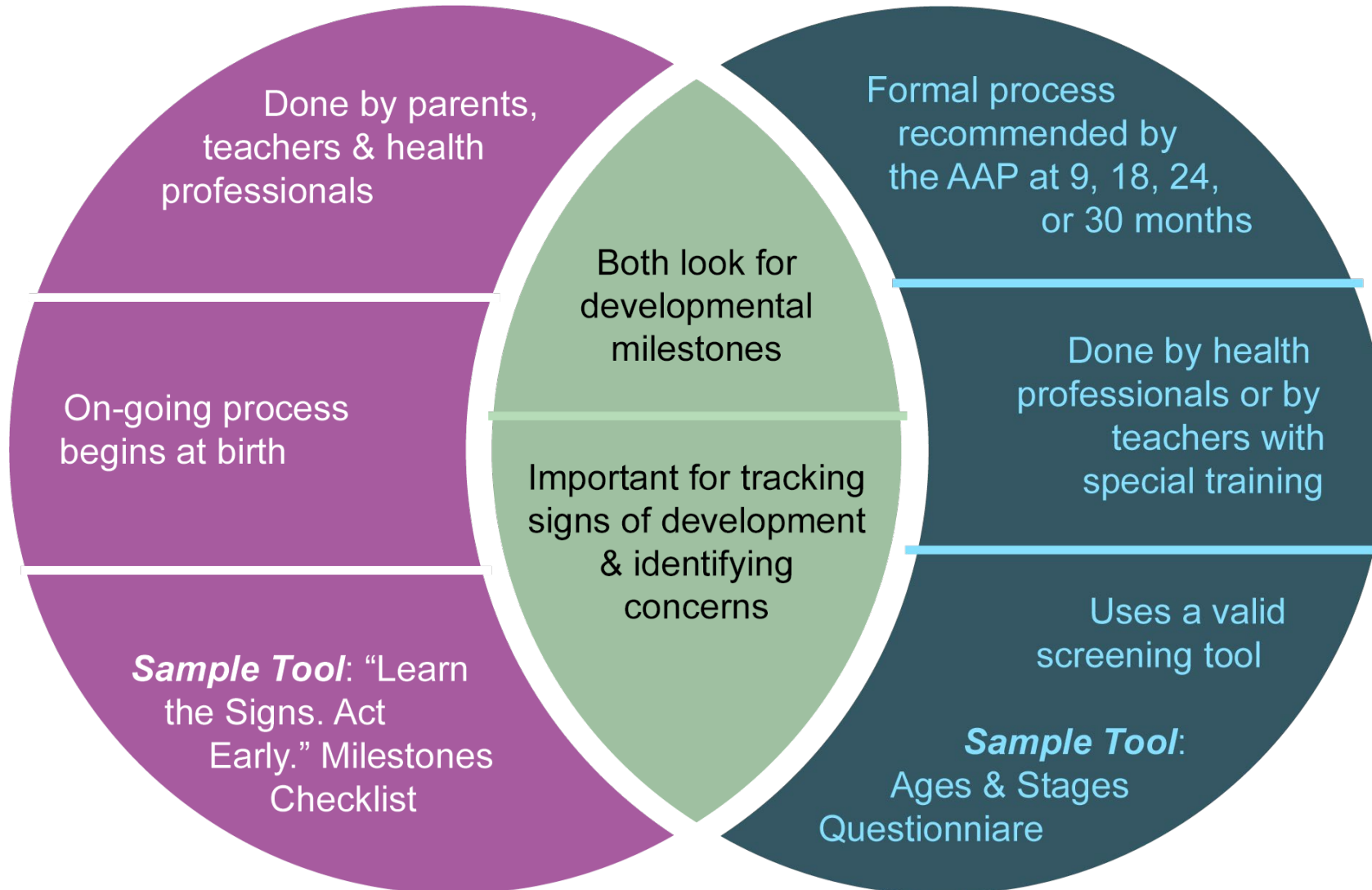
- Define and understand the difference between surveillance and screening in early childhood
- Discuss strategies to engage families of young children in developmental surveillance
- Identify early childhood screening measures to use in pediatric primary care
- Learn strategies for reviewing results of screeners with families of young children

Surveillance vs Screening



DEVELOPMENTAL SURVEILLANCE OR MONITORING

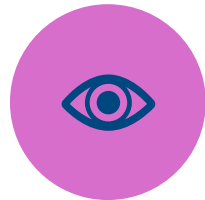
DEVELOPMENTAL SCREENING



Approach to Surveillance



Elicit and attend to
parent concerns



Observe parent-child
interactions



Record findings and
plans



Maintain a
developmental
history



Identify strengths,
risks, and protective
factors



Share results with
other relevant
providers

Ask Parents If They have Any Concerns about Their Child's Development, Behavior, or Learning



“What are some things you and your baby do together?”

“Is there anything your baby does or does not do that concerns you?”



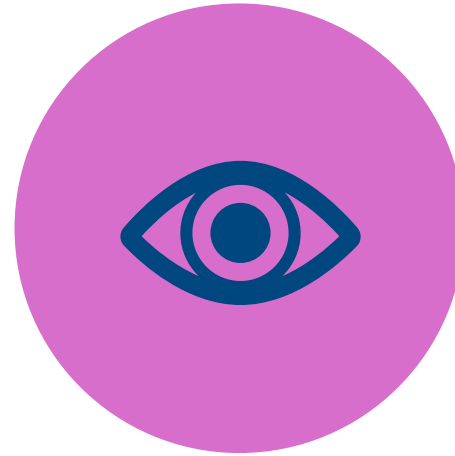
“What are some things your baby likes to do?”

“Has your baby lost any skills he/she once had?”



Maintain a developmental history

Reviewing the developmental history over time
can identify developmental abnormalities or
deviations



Observe parent-child interactions

(e.g., responsiveness of the parent to the child's cues)



Identify strengths, risk, and protective factors



Record findings and plans



Share results with other relevant providers

Do Caregivers Know Best?

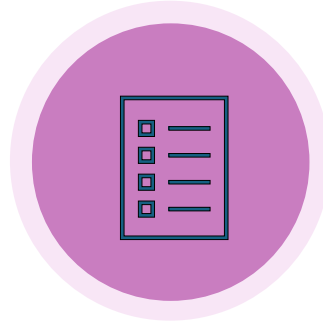
- Research shows that **parents' concerns** are as **accurate** as quality screening tests
- Parents **raise important concerns** regardless of differences in education and child-rearing experience
- Parents are typically **the first** to be **concerned** with their child's development



Approach to Surveillance



Encourage



Conduct



Refer

Providers should **not take a “wait and see” approach**

Approach to Screening



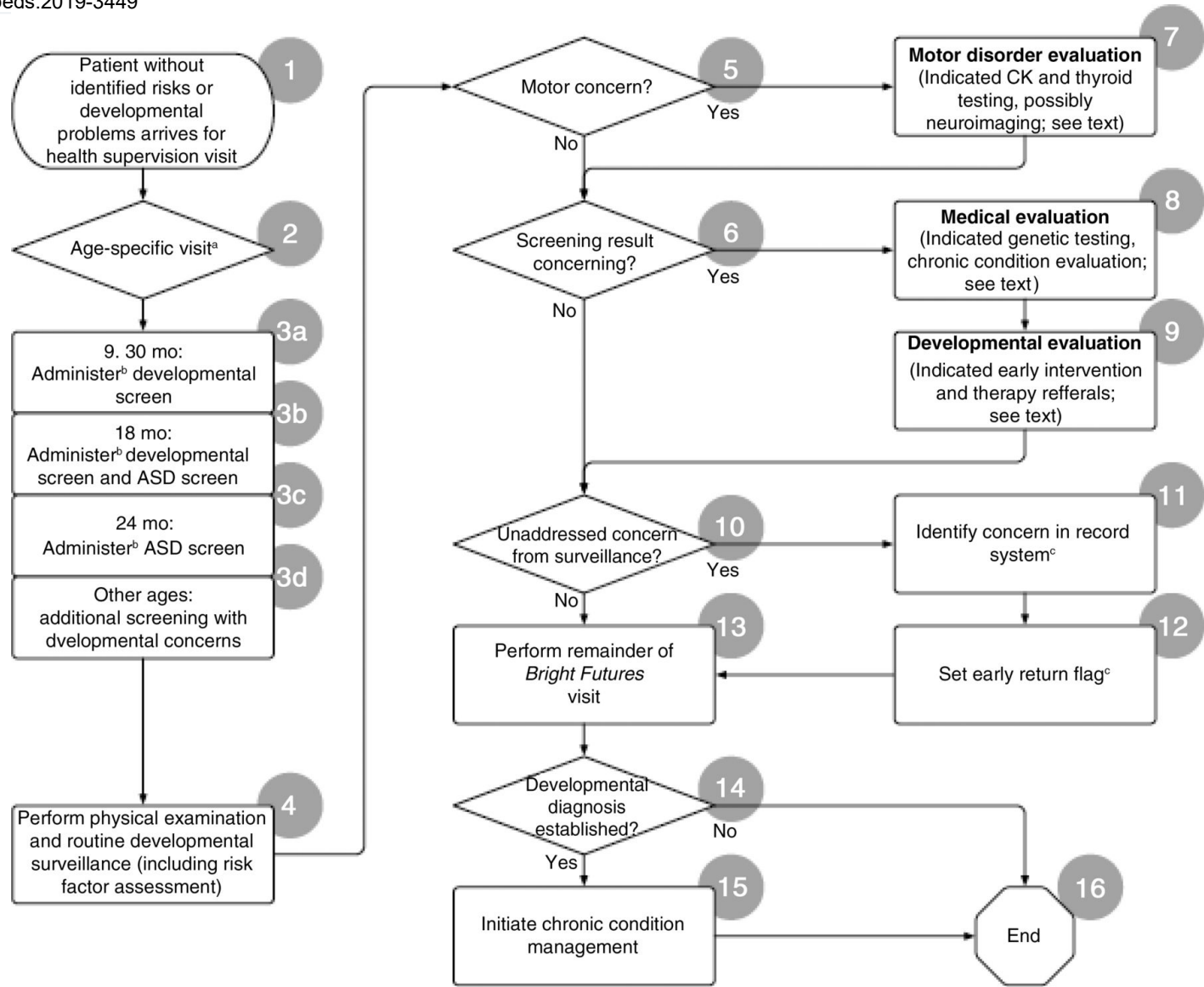
- Screening involves using a standardized test to identify developmental and behavioral disorders
- Screening should be done when the child is:
 - 9, 18, and 24/30 months
- Typically administered by:
 - Early childhood educators
 - Mental health providers
 - Health care providers



From: **Promoting Optimal Development: Identifying Infants and Young Children With Developmental Disorders Through Developmental Surveillance and Screening**

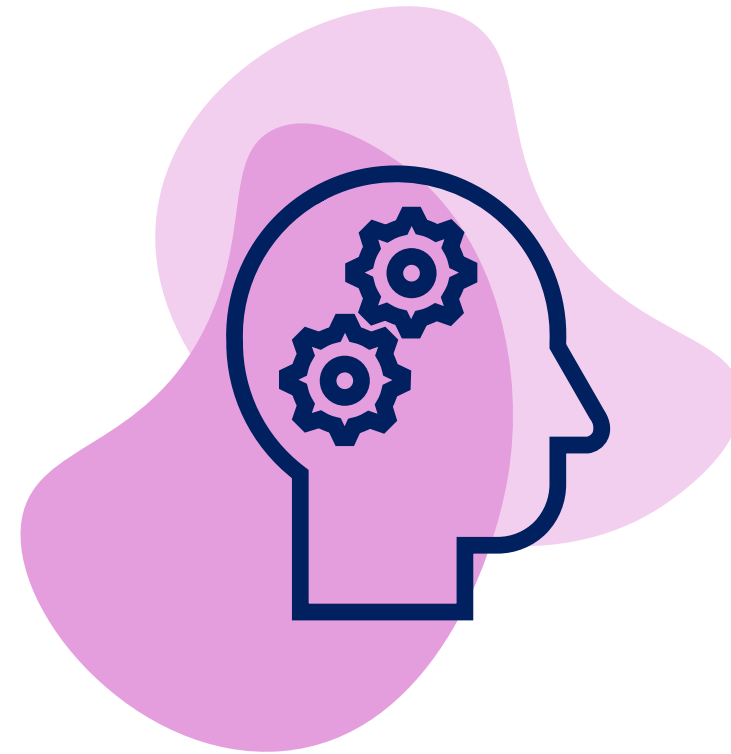


Pediatrics. 2020;145(1). doi:10.1542/peds.2019-3449



Why Screening for Behavioral and Emotional Problems

- **11-20%** of U.S. children have a behavioral and emotional (B/E) disorder
- **10-15%** of preschool children have developmental delays. **1-3%** of preschool children have global developmental delays
- Anxiety and ADHD often emerge **early** in childhood
- **Disparities in race** can lead to **over-identification** and **under-identification** of developmental delays and behavioral problems



The Case for Routine Behavioral and Emotional Screening



Estimates report that

1 in 8 children with
identified mental health
problems receive treatment



Fewer than 50% of
those with clinically significant B/E
problems are detected

MYTH

vs

FACT

There are no adequate screening tools for preschoolers



Many screening tools have sensitivities and specificities greater than 70%

A great deal of training is required to administer screening tools accurately



Training requirements are not extensive for most screening tools. Most can be administered by nurses, office staff and paraprofessionals.

Screening takes a lot of time



Many screening tools take less than 15 minutes to complete and less than 2 to score

Tools that rely on parent report are not valid



Parent concerns are generally valid and predictive of developmental delays

Selecting the Right Screening Tool

- Reliability and validity
- Sensitivity and specificity
- Evidence-based
- Administration time
- Literacy levels

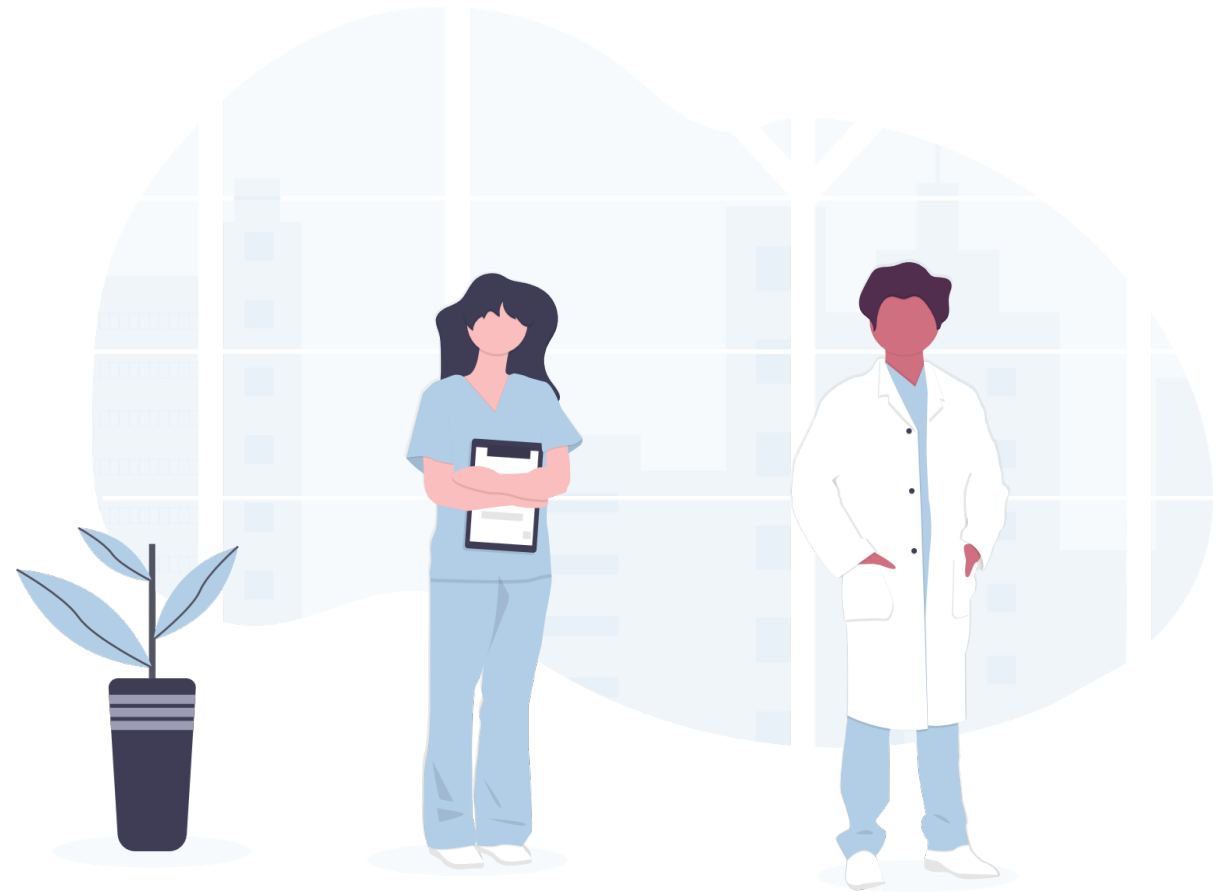




Screening Instruments


How to Administer

- Can have parents fill out
- Can interview parents
- Can administer items with child



Social/Emotional/Behavioral Screeners



BRIGHT FUTURES  TOOL FOR PROFESSIONALS

Pediatric Symptom Checklist (PSC)

Bright Futures:
Mental Health
available
online



Ages and Stages Questionnaire: Social-Emotional-2

Description

- Screening and surveillance of social-emotional and mental health milestones
- Assesses self-regulation, compliance, communication, adaptive functioning, autonomy, affect, and interaction with people
- 9 age-specific forms

Age range

- 1-72 months

Administration

- 19-33 items depending on age-specific form
- 10-15 minutes

Access information

- Available for purchase via www.agesandstages.com or www.brookespublishing.com

Pediatric Symptom Checklist (PSC-17b)

Description

- General psychosocial screening and functional assessment in the areas of attention, externalizing symptoms, and internalizing symptoms

Age range

- 4-16 years

Administration

- 17 items
- Less than 5 minutes

Access information

- Available for free download via massgeneral.org/psychiatry/treatments-and-services/pediatric-symptom-checklist

Strengths and Difficulties Questionnaire (SDQ)

Description

- Screens resilience and psychosocial risk for mental health and social-emotional behavioral skills
- Generates indicators for conduct problems, hyperactivity, emotional symptoms, peer problems, and prosocial behavior
- Parent, teacher, and youth self-report measures

Age range

- 3- to 4-year-olds
- 4- to 17-year-olds

Administration

- 22 items for 3- to 4-year-old version
- 25 items for 4- to 17-year-old version
- 5-10 minutes

Access information

- Available for free download via www.sdqinfo.org

The Survey of Well-being of Young Children (SWYC): Baby PSC



Description

- Screens social-emotional health and behavior

Age range

- 1-18 months

Administration

- 12 items
- 5 minutes

Access information

- Available for free download via www.theswyc.org

Description

- Screens social-emotional health and behavior

Age range

- 18-65 months

Administration

- 18 items
- 5 minutes

Access information

- Available for free download via www.theswyc.org



Developmental Screening

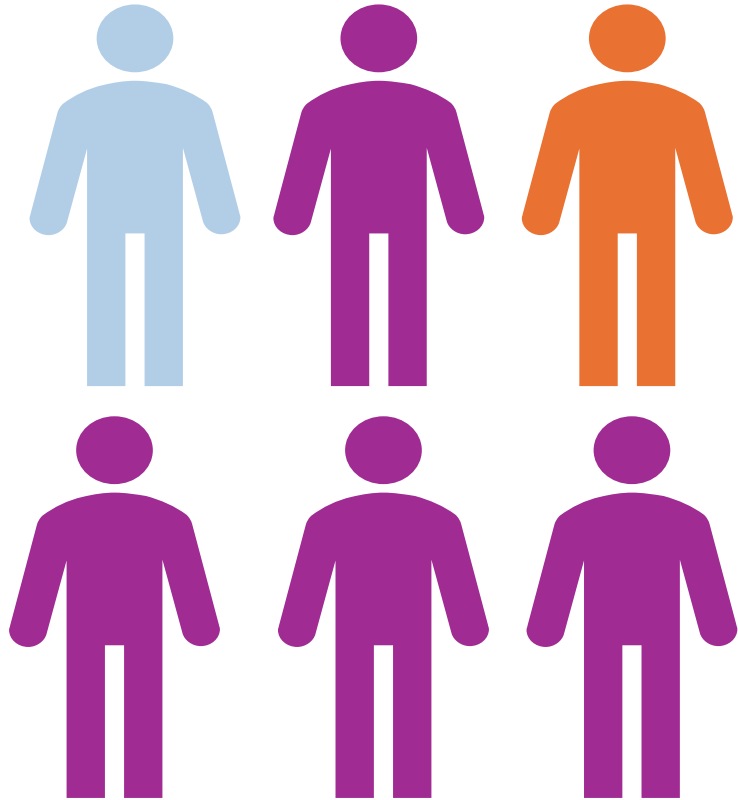
Importance of Developmental Screening

- Screening is effective
- Mental illness and developmental delays may lead to multiple negative outcomes
- Half of children in general population do not get services before entering school



1 in 6 children

have a developmental disability



1 in 44 children

have autism spectrum disorder (ASD)



Why Screen Development

- Detection rates of developmental disorders are **lower** than prevalence rates
- Identification of delayed or disordered development **promotes identification** of medical conditions and complications



Developmental Screeners

PEDS online / MyAdmin

Wednesday, April 16, 2014

Access to the for
CHC Lake City
Current Version: 1.0.0
Search: []

Get Reports
Get Reports
Search Screen

Search Screen

Screen Name	Screen ID	Birth Date	Test Date	Test Status	Test Result
ASQ:SE	ASQSE001	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE002	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE003	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE004	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE005	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE006	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE007	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE008	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE009	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100
ASQ:SE	ASQSE010	2010-01-01	2010-01-01	Pass	ASQ:SE Score: 100/100



Parents' Evaluation of Developmental Status (PEDS) Interpretation form

Child's name: _____ Date: _____

Child's age in days: _____

Part A: Screen for developmental delay

Is there any concern about your child's development? (Yes/No)

Part B: Screen for emotional/behavioral concerns

Has your child any emotional or behavioral concerns? (Yes/No)

Part C: Screen for family risk

Are there any family risk factors that might affect your child's development? (Yes/No)

Part D: Screen for language delay

Does your child have any language concerns? (Yes/No)

Part E: Screen for hearing loss

Has your child been tested for hearing? (Yes/No)

Specific decisions

0-1 months: _____ 16-24 months: _____

1-5 months: _____ 25-35 months: _____

6-11 months: _____ 36-47 months: _____

12-17 months: _____ 48-59 months: _____

18-23 months: _____ 60-71 months: _____

24-35 months: _____ 72-83 months: _____

36-47 months: _____ 84-95 months: _____

48-59 months: _____ 96-107 months: _____

60-71 months: _____ 108-119 months: _____

72-83 months: _____ 120-131 months: _____

84-95 months: _____ 132-143 months: _____

96-107 months: _____ 144-155 months: _____

108-119 months: _____ 156-167 months: _____

120-131 months: _____ 168-179 months: _____

132-143 months: _____ 180-191 months: _____

144-155 months: _____ 192-203 months: _____

156-167 months: _____ 204-215 months: _____

168-179 months: _____ 216-227 months: _____

180-191 months: _____ 228-239 months: _____

192-203 months: _____ 240-251 months: _____

204-215 months: _____ 252-263 months: _____

216-227 months: _____ 264-275 months: _____

228-239 months: _____ 276-287 months: _____

240-251 months: _____ 288-299 months: _____

252-263 months: _____ 300-311 months: _____

264-275 months: _____ 312-323 months: _____

276-287 months: _____ 324-335 months: _____

288-299 months: _____ 336-347 months: _____

292-303 months: _____ 348-359 months: _____

304-315 months: _____ 360-371 months: _____

316-327 months: _____ 372-383 months: _____

328-339 months: _____ 384-395 months: _____

340-351 months: _____ 396-407 months: _____

352-363 months: _____ 408-419 months: _____

364-375 months: _____ 420-431 months: _____

376-387 months: _____ 432-443 months: _____

388-399 months: _____ 444-455 months: _____

400-411 months: _____ 456-467 months: _____

412-423 months: _____ 468-479 months: _____

424-435 months: _____ 480-491 months: _____

436-447 months: _____ 492-503 months: _____

448-459 months: _____ 504-515 months: _____

460-471 months: _____ 516-527 months: _____

472-483 months: _____ 528-539 months: _____

484-495 months: _____ 540-551 months: _____

496-507 months: _____ 552-563 months: _____

508-519 months: _____ 564-575 months: _____

520-531 months: _____ 576-587 months: _____

532-543 months: _____ 588-599 months: _____

544-555 months: _____ 600-611 months: _____

556-567 months: _____ 612-623 months: _____

568-579 months: _____ 624-635 months: _____

580-591 months: _____ 636-647 months: _____

592-603 months: _____ 648-659 months: _____

604-615 months: _____ 660-671 months: _____

616-627 months: _____ 672-683 months: _____

628-639 months: _____ 684-695 months: _____

640-651 months: _____ 696-707 months: _____

652-663 months: _____ 708-719 months: _____

664-675 months: _____ 720-731 months: _____

676-687 months: _____ 732-743 months: _____

688-699 months: _____ 744-755 months: _____

700-711 months: _____ 756-767 months: _____

712-723 months: _____ 768-779 months: _____

724-735 months: _____ 780-791 months: _____

736-747 months: _____ 792-803 months: _____

748-759 months: _____ 804-815 months: _____

760-771 months: _____ 816-827 months: _____

772-783 months: _____ 828-839 months: _____

784-795 months: _____ 840-851 months: _____

796-807 months: _____ 852-863 months: _____

808-819 months: _____ 864-875 months: _____

820-831 months: _____ 876-887 months: _____

832-843 months: _____ 888-899 months: _____

844-855 months: _____ 900-911 months: _____

856-867 months: _____ 912-923 months: _____

868-879 months: _____ 924-935 months: _____

880-891 months: _____ 936-947 months: _____

892-903 months: _____ 948-959 months: _____

904-915 months: _____ 960-971 months: _____

916-927 months: _____ 972-983 months: _____

928-939 months: _____ 984-995 months: _____

940-951 months: _____ 996-1007 months: _____

952-963 months: _____ 1008-1019 months: _____

964-975 months: _____ 1020-1031 months: _____

976-987 months: _____ 1032-1043 months: _____

988-999 months: _____ 1044-1055 months: _____

1000-1011 months: _____ 1056-1067 months: _____

1012-1023 months: _____ 1068-1079 months: _____

1024-1035 months: _____ 1080-1091 months: _____

1036-1047 months: _____ 1092-1103 months: _____

1048-1059 months: _____ 1104-1115 months: _____

1060-1071 months: _____ 1116-1127 months: _____

1072-1083 months: _____ 1128-1139 months: _____

1084-1095 months: _____ 1140-1151 months: _____

1096-1107 months: _____ 1152-1163 months: _____

1108-1119 months: _____ 1164-1175 months: _____

1120-1131 months: _____ 1176-1187 months: _____

1132-1143 months: _____ 1188-1199 months: _____

1144-1155 months: _____ 1200-1211 months: _____

1156-1167 months: _____ 1212-1223 months: _____

1168-1179 months: _____ 1224-1235 months: _____

1180-1191 months: _____ 1236-1247 months: _____

1192-1203 months: _____ 1248-1259 months: _____

1204-1215 months: _____ 1260-1271 months: _____

1216-1227 months: _____ 1272-1283 months: _____

1228-1239 months: _____ 1284-1295 months: _____

1240-1251 months: _____ 1296-1307 months: _____

1252-1263 months: _____ 1308-1319 months: _____

1264-1275 months: _____ 1320-1331 months: _____

1276-1287 months: _____ 1332-1343 months: _____

1288-1299 months: _____ 1344-1355 months: _____

1300-1311 months: _____ 1356-1367 months: _____

1312-1323 months: _____ 1368-1379 months: _____

1324-1335 months: _____ 1380-1391 months: _____

1336-1347 months: _____ 1392-1403 months: _____

1348-1359 months: _____ 1404-1415 months: _____

1360-1371 months: _____ 1416-1427 months: _____

1372-1383 months: _____ 1428-1439 months: _____

1384-1395 months: _____ 1440-1451 months: _____

1396-1407 months: _____ 1452-1463 months: _____

1408-1419 months: _____ 1464-1475 months: _____

1420-1431 months: _____ 1476-1487 months: _____

1432-1443 months: _____ 1488-1499 months: _____

1444-1455 months: _____ 1500-1511 months: _____

1456-1467 months: _____ 1512-1523 months: _____

1468-1479 months: _____ 1524-1535 months: _____

1480-1491 months: _____ 1536-1547 months: _____

1492-1503 months: _____ 1548-1559 months: _____

1504-1515 months: _____ 1560-1571 months: _____

1516-1527 months: _____ 1572-1583 months: _____

1528-1539 months: _____ 1584-1595 months: _____

1540-1551 months: _____ 1596-1607 months: _____

1552-1563 months: _____ 1608-1619 months: _____

1564-1575 months: _____ 1620-1631 months: _____

1576-1587 months: _____ 1632-1643 months: _____

1588-1599 months: _____ 1644-1655 months: _____

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1792-1803 months: _____ 1848-1859 months: _____

1804-1815 months: _____ 1860-1871 months: _____

1816-1827 months: _____ 1872-1883 months: _____

1828-1839 months: _____ 1884-1895 months: _____

1840-1851 months: _____ 1896-1907 months: _____

1852-1863 months: _____ 1908-1919 months: _____

1864-1875 months: _____ 1920-1931 months: _____

1876-1887 months: _____ 1932-1943 months: _____

1888-1899 months: _____ 1944-1955 months: _____

1900-1911 months: _____ 1956-1967 months: _____

1912-1923 months: _____ 1968-1979 months: _____

1924-1935 months: _____ 1980-1991 months: _____

1936-1947 months: _____ 1992-2003 months: _____

1948-1959 months: _____ 2004-2015 months: _____

1960-1971 months: _____ 2016-2027 months: _____

1972-1983 months: _____ 2028-2039 months: _____

1984-1995 months: _____ 2040-2051 months: _____

1996-2007 months: _____ 2052-2063 months: _____

2008-2019 months: _____ 2064-2075 months: _____

2020-2031 months: _____ 2076-2087 months: _____

2032-2043 months: _____ 2088-2099 months: _____

2044-2055 months: _____ 2100-2111 months: _____

2056-2067 months: _____ 2112-2123 months: _____

2068-2079 months: _____ 2124-2135 months: _____

2080-2091 months: _____ 2136-2147 months: _____

2092-2103 months: _____ 2148-2159 months: _____

2104-2115 months: _____ 2160-2171 months: _____

2116-2127 months: _____ 2172-2183 months: _____

2128-2139 months: _____ 2184-2195 months: _____

2140-2151 months: _____ 2196-2207 months: _____

2152-2163 months: _____ 2208-2219 months: _____

2164-2175 months: _____ 2220-2231 months: _____

2176-2187 months: _____ 2232-2243 months: _____

2188-2199 months: _____ 2244-2255 months: _____

2200-2211 months: _____ 2256-2267 months: _____

2212-2223 months: _____ 2268-2279 months: _____

2224-2235 months: _____ 2280-2291 months: _____

2236-2247 months: _____ 2292-2303 months: _____

2248-2259 months: _____ 2304-2315 months: _____

2260-2271 months: _____ 2316-2327 months: _____

2272-2283 months: _____ 2328-2339 months: _____

2284-2295 months: _____ 2340-2351 months: _____

2296-2307 months: _____ 2352-2363 months: _____

2308-2319 months: _____ 2364-2375 months: _____

2320-2331 months: _____ 2376-2387 months: _____

2332-2343 months: _____ 2388-2399 months: _____

2344-2355 months: _____ 2400-2411 months: _____

2356-2367 months: _____ 2412-2423 months: _____

2368-2379 months: _____ 2424-2435 months: _____

2380-2391 months: _____ 2436-2447 months: _____

2392-2403 months: _____ 2448-2459 months: _____

2404-2415 months: _____ 2460-2471 months: _____

2416-2427 months: _____ 2472-2483 months: _____

2428-2439 months: _____ 2484-2495 months: _____

2440-2451 months: _____ 2496-2507 months: _____

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2464-2475 months: _____ 2520-2531 months: _____

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2488-2499 months: _____ 2544-2555 months: _____

2500-2511 months: _____ 2556-2567 months: _____

2512-2523 months: _____ 2568-2579 months: _____

2524-2535 months: _____ 2580-2591 months: _____

2536-2547 months: _____ 2592-2603 months: _____

2548-2559 months: _____ 2604-2615 months: _____

2560-2571 months: _____ 2616-2627 months: _____

2572-2583 months: _____ 2628-2639 months: _____

2584-2595 months: _____ 2640-2651 months: _____

2596-2607 months: _____ 2652-2663 months: _____

2608-2619 months: _____ 2664-2675 months: _____

2620-2631 months: _____ 2676-2687 months: _____

2632-2643 months: _____ 2688-2699 months: _____

2644-2655 months: _____ 2700-2711 months: _____

2656-2667 months: _____ 2712-2723 months: _____

2668-2679 months: _____ 2724-2735 months: _____

2680-2691 months: _____ 2736-2747 months: _____

2692-2703 months: _____ 2748-2759 months: _____

2704-2715 months: _____ 2760-2771 months: _____

2716-2727 months: _____ 2772-2783 months: _____

2728-2739 months: _____ 2784-2795 months: _____

2740-2751 months: _____ 2796-2807 months: _____

2752-2763 months: _____ 2808-2819 months: _____

2764-2775 months: _____ 2820-2831 months: _____

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2884-2895 months: _____ 2940-2951 months: _____

2896-2907 months: _____ 2952-2963 months: _____

2908-2919 months: _____ 2964-2975 months: _____

2920-2931 months: _____ 2976-2987 months: _____

2932-2943 months: _____ 2988-2999 months: _____

2944-2955 months: _____ 3000-3011 months: _____

2956-2967 months: _____ 3012-3023 months: _____

2968-2979 months: _____ 3024-3035 months: _____

2980-2991 months: _____ 3036-3047 months: _____

2992-3003 months: _____ 3048-3059 months: _____

3004-3015 months: _____ 3060-3071 months: _____

3016-3027 months: _____ 3072-3083 months: _____

3028-3039 months: _____ 3084-3095 months: _____

3040-3051 months: _____ 3096-3107 months: _____

3052-3063 months: _____ 3108-3119 months: _____

3064-3075 months: _____ 3120-3131 months: _____

3076-3087 months: _____ 3132-3143 months: _____

3088-3099 months: _____ 3144-3155 months: _____

3100-3111 months: _____ 3156-3167 months: _____

3112-3123 months: _____ 3168-3179 months: _____

3124-3135 months: _____ 3180-3191 months: _____

3136-3147 months: _____ 3192-3203 months: _____

3148-3159 months: _____ 3204-3215 months: _____

3160-3171 months: _____ 3216-3227 months: _____

3172-3183 months: _____ 3228-3239 months: _____

3184-3195 months: _____ 3240-3251 months: _____

3196-3207 months: _____ 3252-3263 months: _____

3208-3219 months: _____ 3264-3275 months: _____

3220-3231 months: _____ 3276-3287 months: _____

3232-3243 months: _____ 3288-3299 months: _____

3244-3255 months: _____ 3300-3311 months: _____

3256-3267 months: _____ 3312-3323 months: _____

3268-3279 months: _____ 3324-3335 months: _____

3280-3291 months: _____ 3336-3347 months: _____

3292-3303 months: _____ 3348-3359 months: _____

3304-3315 months: _____ 3360-3371 months: _____

3316-3327 months: _____ 3372-3383 months: _____

3328-3339 months: _____ 3384-3395 months: _____

3340-3351 months: _____ 3396-3407 months: _____

3352-3363 months: _____ 3408-3419 months: _____

3364-3375 months: _____ 3420-3431 months: _____

3376-3387 months: _____ 3432-3443 months: _____

3388-3399 months: _____ 3444-3455 months: _____

3400-3411 months: _____ 3456-3467 months: _____

3412-3423 months: _____ 3468-3479 months: _____

3424-3435 months: _____ 3480-3491 months: _____

3436-3447 months: _____ 3492-3503 months: _____

3448-3459 months: _____ 3504-3515 months: _____

3460-3471 months: _____ 3516-3527 months: _____

3472-3483 months: _____ 3528-3539 months: _____

3484-3495 months: _____ 3540-3551 months: _____

3496-3507 months: _____ 3552-3563 months: _____

3508-3519 months: _____ 3564-3575 months: _____

3520-3531 months: _____ 3576-3587 months: _____

3532-3543 months: _____ 3588-3599 months: _____

3544-3555 months: _____ 3600-3611 months: _____

3556-3567 months: _____ 3612-3623 months: _____

3568-3579 months: _____ 3624-3635 months: _____

3580-3591 months: _____ 3636-3647 months: _____

3592-3603 months: _____ 3648-3659 months: _____

3604-3615 months: _____ 3660-3671 months: _____

3616-3627 months: _____ 3672-3683 months: _____

3628-3639 months: _____ 3684-3695 months: _____

3640-3651 months: _____ 3696-3707 months: _____

3652-3663 months: _____ 3708-3719 months: _____

3664-3675 months: _____ 3720-3731 months: _____

3676-3687 months: _____ 3732-3743 months: _____

3688-3699 months: _____ 3744-3755 months: _____

3700-3711 months: _____ 3756-3767 months: _____

3712-3723 months: _____ 3768-3779 months: _____

3724-3735 months: _____ 3780-3791 months: _____

3736-3747 months: _____ 3792-3803 months: _____

3748-3759 months: _____ 3804-3815 months: _____

3760-3771 months: _____ 3816-3827 months: _____

3772-3783 months: _____ 3828-3839 months: _____

3784-3795 months: _____ 3840-3851 months: _____

3796-3807 months: _____ 3852-3863 months: _____

3808-3819 months: _____ 3864-3875 months: _____

3820-3831 months: _____ 3876-3887 months: _____

3832-3843 months: _____ 3888-3899 months: _____

3844-3855 months: _____ 3900-3911 months: _____

3856-3867 months: _____ 3912-3923 months: _____

3868-3879 months: _____ 3924-3935 months: _____

3880-3891 months: _____ 3936-3947 months: _____

3892-3903 months: _____ 3948-3959 months: _____

3904-3915 months: _____ 3960-3971 months: _____

3916-3927 months: _____ 3972-3983 months: _____

3928-3939 months: _____ 3984-3995 months: _____

3940-3951 months: _____ 4000-4011 months: _____

3952-3963 months: _____ 4012-4023 months: _____

3964-3975 months: _____ 4024-4035 months: _____

3976-3987 months: _____ 4036-4047 months: _____

3988-3999 months: _____ 4048-4059 months: _____

4000-4011 months: _____ 4060-4071 months: _____

4012-4023 months: _____ 4072-4083 months: _____

4024-4035 months: _____ 4084-4095 months: _____

4036-4047 months: _____ 4096-4107 months: _____

4048-4059 months: _____ 4108-4119 months: _____

4060-4071 months: _____ 4120-4131 months: _____

4072-4083 months: _____ 4132-4143 months: _____

4084-4095 months: _____ 4144-4155 months: _____

4096-4107 months: _____ 4156-4167 months: _____

4108-4119 months: _____ 4168-4179 months: _____

4120-4131 months: _____ 4180-4191 months: _____

4132-4143 months: _____ 4192-4203 months: _____

4144-4155 months: _____ 4204-4215 months: _____

4156-4167 months: _____ 4216-4227 months: _____

4168-4179 months: _____ 4228-4239 months: _____

4180-4191 months: _____ 4240-4251 months: _____

4192-4203 months: _____ 4252-4263 months: _____

4204-4215 months: _____ 4264-4275 months: _____

4216-4227 months: _____ 4276-4287 months: _____

4228-4239 months: _____ 4288-4299 months: _____

4240-4251 months: _____

Ages and Stages Questionnaires-3

Description

- Parent-completed
- Screens communication, gross motor, fine motor, problem-solving, personal adaptive skills

Age range

- 2-60 months

Administration

- 30 items
- 10-15 minutes

Access information

- Available to purchase via www.agesandstages.com or www.brookespublishing.com

Parents' Evaluation of Developmental Status (PEDS)



Description

- Parent interview
- Screens for developmental and behavioral problems needing further evaluation
- Same form is used for all ages

Age range

- 0-8 years

Administration

- 10 items
- 2-5 minutes

Access information

- Available for purchase via www.pedstest.com

PEDS: Developmental Milestones Screening

Version



Description

- Parent interview
- Screens for developmental and social-emotional problems

Age range

- 0-8 years

Administration

- 6-8 items per age level
- 4-6 minutes

Access information

- Available for purchase via www.pedstest.com

The Survey of Well-being of Young Children (SWYC): Milestones



Description

- 12 age-specific forms
- Keyed to pediatric periodicity schedule
- Includes cognitive, language, and motor skills

Age range

- 1-65 months

Administration

- 10 items
- 5 minutes

Access information

- Available for free download via www.theswyc.org



Autism Screening

When to Screen for ASD

Routine ASD surveillance should happen at every well-child visit. The AAP recommends that all children receive a standardized developmental screener at:

- **9 months**
- **18 months**
- **30 months**

In addition, all children should be screened specifically for ASD at:

- **18 months**
- **24 months**



ASD Screeners

PEDS online / My Admin

Wednesday, Aug 16, 2017

Home | Search | Reports | Settings | Help

Search for: [Name] [DOB] [Age] [Gender] [Race] [Ethnicity] [Language] [Religion] [Marital Status] [Occupation] [Education] [Income] [Insurance] [Address] [City] [State] [Zip] [Country] [Phone] [Email] [Fax] [Website] [Social Media] [Other] [Advanced Search]

Results: 1-10 of 1000

Name	DOB	Age	Gender	Race	Ethnicity	Language	Religion	Marital Status	Occupation	Education	Income	Insurance	Address	City	State	Zip	Country	Phone	Email	Fax	Website	Social Media	Other
John Doe	1980-01-01	37	M	White	Hispanic	Spanish	Catholic	Married	Teacher	High School	\$40,000	Medicaid	123 Main St	Baltimore	MD	21201	USA	(410) 555-1234	jdoe@baltimore.gov				
Jane Smith	1985-03-15	32	F	Black	African American	English	Protestant	Single	Nurse	College	\$50,000	Medicaid	456 Oak St	Baltimore	MD	21202	USA	(410) 555-5678	jsmith@baltimore.gov				
Michael Johnson	1975-07-22	42	M	White	Hispanic	Spanish	Catholic	Married	Engineer	University	\$60,000	Medicaid	789 Pine St	Baltimore	MD	21203	USA	(410) 555-9012	mjohnson@baltimore.gov				
Sarah Williams	1990-11-08	27	F	White	Hispanic	Spanish	Catholic	Single	Student	High School	\$20,000	Medicaid	101 Elm St	Baltimore	MD	21204	USA	(410) 555-3456	swilliams@baltimore.gov				
David Brown	1982-05-19	35	M	Black	African American	English	Protestant	Married	Police Officer	College	\$45,000	Medicaid	202 Maple St	Baltimore	MD	21205	USA	(410) 555-7890	dbrown@baltimore.gov				
Emily Davis	1988-09-03	29	F	White	Hispanic	Spanish	Catholic	Single	Teacher	College	\$35,000	Medicaid	303 Cedar St	Baltimore	MD	21206	USA	(410) 555-2345	edavis@baltimore.gov				
Robert Miller	1978-12-14	39	M	White	Hispanic	Spanish	Catholic	Married	Engineer	University	\$55,000	Medicaid	404 Birch St	Baltimore	MD	21207	USA	(410) 555-6789	rmiller@baltimore.gov				
Laura Wilson	1983-06-27	34	F	Black	African American	English	Protestant	Single	Nurse	College	\$48,000	Medicaid	505 Spruce St	Baltimore	MD	21208	USA	(410) 555-0123	lwilson@baltimore.gov				
Christopher Lee	1979-04-10	38	M	White	Hispanic	Spanish	Catholic	Married	Engineer	University	\$52,000	Medicaid	606 Ash St	Baltimore	MD	21209	USA	(410) 555-4567	cllee@baltimore.gov				
Amanda Taylor	1986-08-25	31	F	White	Hispanic	Spanish	Catholic	Single	Teacher	College	\$38,000	Medicaid	707 Hickory St	Baltimore	MD	21210	USA	(410) 555-8901	ataylor@baltimore.gov				



Parents' Evaluation of Developmental Status (PEDS) Interpretation form

Child's Name: _____ Date: _____

Parent's Name: _____ Address: _____ City: _____ State: _____ Zip: _____

Child's Age: _____ Sex: _____ Race: _____ Ethnicity: _____ Language: _____ Religion: _____ Marital Status: _____ Occupation: _____ Education: _____ Income: _____ Insurance: _____ Address: _____ City: _____ State: _____ Zip: _____ Country: _____ Phone: _____ Email: _____ Fax: _____ Website: _____ Social Media: _____ Other: _____

Path A: Screen for ASD

Screen for ASD (ASD) using the PEDS-ASD scale. If the score is 10 or higher, the child is at risk for ASD. If the score is 9 or lower, the child is not at risk for ASD.

Path B: Screen for ID

Screen for ID (ID) using the PEDS-ID scale. If the score is 10 or higher, the child is at risk for ID. If the score is 9 or lower, the child is not at risk for ID.

Path C: Screen for ADHD

Screen for ADHD (ADHD) using the PEDS-ADHD scale. If the score is 10 or higher, the child is at risk for ADHD. If the score is 9 or lower, the child is not at risk for ADHD.

Path D: Screen for Anxiety

Screen for Anxiety (Anxiety) using the PEDS-Anxiety scale. If the score is 10 or higher, the child is at risk for Anxiety. If the score is 9 or lower, the child is not at risk for Anxiety.

Path E: Screen for Depression

Screen for Depression (Depression) using the PEDS-Depression scale. If the score is 10 or higher, the child is at risk for Depression. If the score is 9 or lower, the child is not at risk for Depression.

Specific decisions

1. Screen for ASD: _____ 2. Screen for ID: _____ 3. Screen for ADHD: _____ 4. Screen for Anxiety: _____ 5. Screen for Depression: _____

6. Screen for ASD: _____ 7. Screen for ID: _____ 8. Screen for ADHD: _____ 9. Screen for Anxiety: _____ 10. Screen for Depression: _____

11. Screen for ASD: _____ 12. Screen for ID: _____ 13. Screen for ADHD: _____ 14. Screen for Anxiety: _____ 15. Screen for Depression: _____

16. Screen for ASD: _____ 17. Screen for ID: _____ 18. Screen for ADHD: _____ 19. Screen for Anxiety: _____ 20. Screen for Depression: _____

21. Screen for ASD: _____ 22. Screen for ID: _____ 23. Screen for ADHD: _____ 24. Screen for Anxiety: _____ 25. Screen for Depression: _____

26. Screen for ASD: _____ 27. Screen for ID: _____ 28. Screen for ADHD: _____ 29. Screen for Anxiety: _____ 30. Screen for Depression: _____

31. Screen for ASD: _____ 32. Screen for ID: _____ 33. Screen for ADHD: _____ 34. Screen for Anxiety: _____ 35. Screen for Depression: _____

36. Screen for ASD: _____ 37. Screen for ID: _____ 38. Screen for ADHD: _____ 39. Screen for Anxiety: _____ 40. Screen for Depression: _____

41. Screen for ASD: _____ 42. Screen for ID: _____ 43. Screen for ADHD: _____ 44. Screen for Anxiety: _____ 45. Screen for Depression: _____

46. Screen for ASD: _____ 47. Screen for ID: _____ 48. Screen for ADHD: _____ 49. Screen for Anxiety: _____ 50. Screen for Depression: _____

51. Screen for ASD: _____ 52. Screen for ID: _____ 53. Screen for ADHD: _____ 54. Screen for Anxiety: _____ 55. Screen for Depression: _____

56. Screen for ASD: _____ 57. Screen for ID: _____ 58. Screen for ADHD: _____ 59. Screen for Anxiety: _____ 60. Screen for Depression: _____

61. Screen for ASD: _____ 62. Screen for ID: _____ 63. Screen for ADHD: _____ 64. Screen for Anxiety: _____ 65. Screen for Depression: _____

66. Screen for ASD: _____ 67. Screen for ID: _____ 68. Screen for ADHD: _____ 69. Screen for Anxiety: _____ 70. Screen for Depression: _____

71. Screen for ASD: _____ 72. Screen for ID: _____ 73. Screen for ADHD: _____ 74. Screen for Anxiety: _____ 75. Screen for Depression: _____

76. Screen for ASD: _____ 77. Screen for ID: _____ 78. Screen for ADHD: _____ 79. Screen for Anxiety: _____ 80. Screen for Depression: _____

81. Screen for ASD: _____ 82. Screen for ID: _____ 83. Screen for ADHD: _____ 84. Screen for Anxiety: _____ 85. Screen for Depression: _____

86. Screen for ASD: _____ 87. Screen for ID: _____ 88. Screen for ADHD: _____ 89. Screen for Anxiety: _____ 90. Screen for Depression: _____

91. Screen for ASD: _____ 92. Screen for ID: _____ 93. Screen for ADHD: _____ 94. Screen for Anxiety: _____ 95. Screen for Depression: _____

96. Screen for ASD: _____ 97. Screen for ID: _____ 98. Screen for ADHD: _____ 99. Screen for Anxiety: _____ 100. Screen for Depression: _____

Social Communication Questionnaire (SCQ)

Description

- Parent –completed
- Identifies children at risk for autism

Age range

- 4+ years

Administration

- 40 items
- 5-10 minutes

Access information

- Available for purchase via www.wpspublish.com

Modified Checklist for Autism in Toddlers, Revised with Follow-Up (M-CHAT-R/F)



Description

- Parent –completed
- Identifies children at risk for autism
- Follow-up clinician administered questions

Age range

- 16-30 months

Administration

- 20 items
- 5-10 minutes

Access information

- Available for free download via www.mchatscreen.com

Reviewing Results

Steps following Screening



Reviewing results



Referrals for assessment and
services

How to Discuss Results:



Focus on concerns



Don't be definitive



**Explain why they are
referred**

Reviewing Results



- Regardless of results
 - Restate your motivation to ask them to fill it out, and that it's a place to start a discussion
 - Ask if they had any ideas or concerns while filling it out
 - Follow up with them if "yes"
 - Can probe for misunderstanding or confusion about any items
 - If everything is negative
 - Comment on this and ask one more time for concerns
 - Can say that we know we can't ask every question so don't always capture every possible issue
 - State your willingness to talk about these things in the future

If there are some positive items or an overall positive score

- “I see that you’ve marked _____, can you tell me more about that?”
- Ask about impact on function (school, home, peers)





Screening *isn't* Diagnosing!

- If screener is positive, it **does not** mean child will receive a diagnosis
- If screen is normal, but you still have worries, **refer** for further evaluation

Disparities in Surveillance and Screening



- Surveillance and screening more likely for patients with private insurance
- Developmental risk linked to lower SES
- State-level variation
- Child's race, primary language, having a medical home, and highest household educational level also play a role

Early & Periodic Screening, Diagnostic and Treatment (EPSDT)



- Medicaid provides access to prevention, diagnostic, and treatment services for low-income infants and children
- States obligated to ensure Medicaid-eligible children and families are aware of EPSDT and have access to required screenings and needed treatment services
- Required to provide infants and children with screening at established times and as-needed
- Includes physicians and nurse practitioners

References



- www.agesandstages.com
- *American Academy of Pediatrics: Caring for Children with AD*
- American Psychological Association Clinical Practice Guideline for the Treatment of Depression Across Three Age Cohorts. <https://www.apa.org/depression-guideline/patient-health-questionnaire.pdf>
- Barger, B.D., Rice, C.E. & Roach, A.T. Developmental Screening and Monitoring are Associated with Increased Preschool Special Education Receipt. *J Child Fam Stud* 30, 1342–1352 (2021). <https://doi.org/10.1007/s10826-021-01940-4>
- Beck, Cheryl Tatano, and Robert K. Gable. “Postpartum Depression Screening Scale: development and psychometric testing.” *Nursing research* 49, no. 5 (2000): 272-282. www.brookespublishing.com
- CDC’s Developmental Milestones. <https://www.cdc.gov/ncbddd/actearly/milestones/index.html>
- Chlebowski, C., Robins, D. L., Barton, M. L., & Fein, D. (2013). Large-Scale Use of the Modified Checklist for Autism in Low-Risk Toddlers. *Pediatrics*, 131(4). <https://doi.org/10.1542/peds.2012-1525>
- Choo, Y., Agarwal, P., How, C., & Yeleswarapu, S. (2019). Developmental delay: identification and management at primary care level. *Singapore Medical Journal*, 60(3), 119–123. <https://doi.org/10.11622/smedj.2019025>

References



- Gjerdingen, D. K., & Yawn, B. P. (2007). Postpartum depression screening: importance, methods, barriers, and recommendations for practice. *Journal of the American Board of Family Medicine*, 20(3), 280–288. <https://doi.org/10.3122/jabfm.2007.03.060171>
- Glascoe, F.P. (2000) Evidence-based approach to developmental and behavioural surveillance using parents' concerns. *Child: Care, Health & Development*; Mar2000, Vol. 26 Issue 2, p137-149
- Izett, E., Rooney, R., Prescott, S. L., de Palma, M., & McDevitt, M. (2021). Prevention of Mental Health Difficulties for Children Aged 0–3 Years: A Review. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.500361>
- Levy, S. E., Wolfe, A., Coury, D., Duby, J., Farmer, J., Schor, E., van Cleave, J., & Warren, Z. (2020). Screening Tools for Autism Spectrum Disorder in Primary Care: A Systematic Evidence Review. *Pediatrics*, 145(Supplement 1), S47–S59. <https://doi.org/10.1542/peds.2019-1895h>
- Lipkin, P. H., Macias, M. M., Norwood, K. W., Brei, T. J., Davidson, L. F., Davis, B. E., Ellerbeck, K. A., Houtrow, A. J., Hyman, S. L., Kuo, D. Z., Noritz, G. H., Yin, L., Murphy, N. A., Levy, S. E., Weitzman, C. C., Bauer, N. S., Childers, D. O., Jr, Levine, J. M., Peralta-Carcelen, A. M., . . . Voigt, R. G. (2020). Promoting Optimal development: Identifying infants and young children with developmental disorders through developmental surveillance and screening. *Pediatrics*, 145(1). <https://doi.org/10.1542/peds.2019-3449>
- massgeneral.org/psychiatry/treatments-and-services/pediatric-symptom-checklist
- M-CHAT™ Autism Screening. mchatscreen.com

References



- Panther, S. G., Knotts, A. M., Odom-Maryon, T., Daratha, K., Woo, T., & Klein, T. A. (2017). Off-label prescribing trends for ADHD medications in very young children. *The Journal of Pediatric Pharmacology and Therapeutics*, 22(6), 423–429. <https://doi.org/10.5863/1551-6776-22.6.423>
- www.pedstest.com
- Postpartum Support International: Screening Recommendations. <https://www.postpartum.net/professionals/screening/>
- www.sdqinfo.org
- Sit, D. K. Y., & Wisner, K. L. (2009). Identification of postpartum depression. *Clinical Obstetrics and Gynecology*, 52(3), 456–468. <https://doi.org/10.1097/grf.0b013e3181b5a57c>
- Stanford Medicine Pediatric Primary Care. https://med.stanford.edu/fastlab/research/imapp/msrs/jcr_content/main/accordion/accordion_content3/download_256324296/file.res/PHQ9%20id%20date%2008.03.pdf
- Stanford Medicine Pediatric Primary Care: Mental Health. https://med.stanford.edu/content/dam/sm/ppc/documents/DBP/EDPS_text_added.pdf
- Sturner, R., Howard, B., Bergmann, P., Morrel, T., Andon, L., Marks, D., Rao, P., & Landa, R. (2016). Autism Screening With Online Decision Support by Primary Care Pediatricians Aided by M-CHAT/F. *PEDIATRICS*, 138(3), e20153036. <https://doi.org/10.1542/peds.2015-3036>

References



- Toh, TH., Tan, V.WY., Lau, P.ST. et al. Accuracy of Modified Checklist for Autism in Toddlers (M-CHAT) in Detecting Autism and Other Developmental Disorders in Community Clinics. *J Autism Dev Disord* 48, 28–35 (2018). <https://doi.org/10.1007/s10803-017-3287-x>
- Tufts Medicine: The Survey of Well-being of Young Children. www.theswyc.org
- Weitzman, Wegner, the Section on Developmental and Behavioral Pediatrics, Committee on Psychosocial Aspects of Child and Family Health, Council on Early Childhood, and Society for Developmental and Behavioral Pediatrics. Promoting Optimal Development: Screening for Behavioral and Emotional Problems. *Pediatrics*. 2015;135(2):384–395. (2015). *Pediatrics*, 135(5), 946. <https://doi.org/10.1542/peds.2015-0904>
- Wisner, K. L., Sit, D. K. Y., McShea, M. C., Rizzo, D. M., Zoretich, R. A., Hughes, C. L., Eng, H. F., Luther, J. F., Wisniewski, S. R., Costantino, M. L., Confer, A. L., Moses-Kolko, E. L., Famy, C. S., & Hanusa, B. H. (2013). Onset timing, thoughts of self-harm, and diagnoses in postpartum Women with Screen-Positive Depression findings. *JAMA Psychiatry*, 70(5), 490. <https://doi.org/10.1001/jamapsychiatry.2013.87>
<https://www.wpspublish.com/>
- Zurhellen, W., Lessin, H. R., Chan, E., Allan, C. C., Wolraich, M., Sprecher, E., & Evans, S. W. (2019). ADHD – Caring for Children With ADHD: A Practical Resource Toolkit for Clinicians. *AAP Toolkit*. <https://doi.org/10.1542/9781610023627>

Thank You!



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