Screening for Developmental Delay in Early Childhood 2016

Canadian Task Force on Preventive Health Care (CTFPHC)

Dr. Patricia Parkin

Putting Prevention into Practice

Canadian Task Force on Preventive Health Care
Groupe d’étude canadien sur les soins de santé préventifs
Use of slide deck

- These slides are made available publicly as an educational support to assist with the dissemination, uptake and implementation of the guidelines into primary care practice.

- Some or all of the slides in this slide deck may be used in educational contexts.

- The Screening for Developmental Delay Guideline was published online March 28, 2016.

- Guideline is also available in Canadian Medical Association Journal and on CTFPHC website: [http://canadiantaskforce.ca/](http://canadiantaskforce.ca/)
CTFPHC DD Working Group Members

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Overview of Presentation

- Introduction to CTFPHC
- Background on Developmental Delay
- Methods for Guideline Development
- Recommendations and Key Findings
- Implementation of Recommendations
- Conclusions
- Questions and Answers
Canadian Task Force on Preventive Health

- The CTFPHC is an independent panel of primary care clinicians and methodologists that develop recommendations on clinical preventive services in primary care
  - Expertise in prevention, primary care, literature synthesis, critical appraisal
- Mandate is to develop and disseminate clinical practice guidelines for primary and preventive care, based on systematic analysis of scientific evidence
  - Intended to support application of evidence to practice and policy
  - The CTFPHC recommendations focus on primary and secondary preventive services
    - Primary prevention: prevention of a target condition in healthy patients
    - Secondary prevention: directed to asymptomatic individuals who have risk factors for a condition or preclinical disease but who do not have clinically evident disease
- CTFPHC uses a standard, transparent process to review and synthesize evidence, weigh the balance of benefits and harms, and make recommendations (GRADE system)
Screening for Developmental Delay

BACKGROUND
Developmental delay (DD) refers to significant delay in achieving age-expected norms within *any* of the following domains: gross & fine motor skills, speech-language, cognition, social and personal skills, and activities of daily living.

- DD may be transitory or sustained.
- Children with sustained DD are at higher risk for learning difficulties, behavioural problems, and functional impairments later in life.
- There is considerable interest in the possibility that early identification and intervention might improve health outcomes among children with DD.
- Therefore, the CTFPHC assessed the evidence on:
  - the effectiveness of population-based screening for DD in primary care
  - the accuracy of screening tools to identify undetected DD, and
  - the effectiveness of behavioural interventions for DD.
Screening, Surveillance and Case Finding

- There is a great variation in terminology related to the detection of developmental delay which can lead to misunderstandings.

  **Screening:** refers to the use of a standardized tool to detect developmental delay in populations where there are no overt signs suggestive of possible DD and no concerns about development.

  **Developmental surveillance:** is often used to describe the ongoing monitoring of development, identification of risk factors, and elicitation of parental concerns.

  **Case finding:** refers to the identification of DD in populations that are at increased risk of developmental delays and often does not involve the use of a specific tool.

- Developmental surveillance, though a common term in developmental paediatrics, is what the CTFPHC would normally consider to be part of standard clinical practice for children.
Developmental Delay 2016 Guideline

• This guideline provides recommendations on screening for developmental delay in a primary care settings
  – It does not offer guidance about surveillance, case finding or diagnosis

• This guideline applies to screening children aged 1 to 4 years with no apparent signs of DD and whose parents and clinicians have no concerns about development.
  – These are children for whom there is no concern about sequential acquirement of age-appropriate developmental milestones for gross and fine motor, social/emotional, language, and cognitive domains.
  – Milestone ages should be based on the oldest age by which the skill should have been achieve

• This guideline does not apply to children:
  – Whose development is being closely monitored because of risk factors such as premature birth or low birth weight
  – Whose parents, caregivers or clinicians suspect there may be a delay in development or atypical development
  – Have signs suggestive of developmental delay
Screening for Developmental Delay

METHODS
Methods for DD Guideline

- Work lead by Developmental Delay Work Group 5 CTFPHC members & 1 member of Canadian Paediatric Society (1 CTFPHC member also with CPS)
- Established key questions, analytic framework, clinical and patient important outcomes (research protocol)
- Commissioned an independent systematic review & quality assessment of evidence
- Formulated recommendations based on a comprehensive assessment of the balance of benefits and harms of screening, treatment, accuracy of screening tests, patient values and preferences, and resource considerations
- All members of CTFPHC reviewed and approved each phase of guideline development process
- CTFPHC sent guideline for external peer and stakeholder review
- CMAJ also carried out an independent peer review process
Research Questions

• The systematic review for screening and treatment of developmental delay included:
  – 5 key research questions
    • Effectiveness of screening, incidence of harms of screening, effectiveness of treatment, etc.
  – 3 contextual questions
    • Cost effectiveness and feasibility, values and preferences of primary caregivers, etc.
• Outcomes of interest:
  – improvement to gross and fine motor skills, speech-language, and cognition and performance, academic performance, adaptive functioning, overall quality of life, mental health, survival, and functionality as an adult.
• For more detailed information please access: www.canadiantaskforce.ca
Evidence Review Analytic Framework

**Stage I - Screening** - KQ1 and KQ2
- Children aged 1 to 4 with no known developmental concerns
- Harms: stigma, parental anxiety, false positives & consequences
  - Screening for DD
  - Children age 1-6 diagnosed with a Dev. Delay
  - False positives, false negatives
- Screening test accuracy: (e.g., sensitivity, specificity, positive predictive value, negative predictive value, likelihood ratio)

**Stage II - Treatment** - KQ3 and KQ4
- Treatment for Dev. Delay and ASD
- Treatment for domain specific Dev Delay
- Harms: any harm arising from treatment of DD
- For screening: Improved cognitive function
- For screening & treatment Improved cognitive function
- For treatment for Dev delay: Improved cognitive function
- For treatment for domain specific Dev delay: Improved speech/language, gross and fine motor skills, adaptive function performance & cognition

**Stage III - Test Properties** - KQ5

- For screening, Improved academic performance, QoL, mental health, survival, functioning as adult*
- For screening & treatment: Improved academic performance, QoL, mental health, survival, functioning as adult*
- For treatment for domain specific delays: Improved academic performance, QoL, mental health, survival, functioning as adult*
KQ1. What is the effectiveness of screening children aged 1 to 4 years without suspected DD to improve outcomes?
   a. What is the optimal interval for screening for DD

Outcomes of interest:
   - **Process outcomes**: referral rates for early intervention; time to referral to early intervention;
   - **Clinical outcomes**: cognitive function; academic performance; incidence of mental health conditions; overall quality of life; survival; functionality as an adult

KQ2. What is the incidence of harms of screening children aged 1 to 4 years without suspected DD?
Eligible Study Types: Screening KQ1 & KQ2

Population: children aged 1-4 years of age not at high risk* or suspected of having DD.

* High risk has been defined as those born prematurely (gestational age less than 37 completed weeks at birth) or with low birth weight (birth weight less than 2,500 g) and/or children with other known disorders that may be associated with or affect development.

Intervention: developmental screening tools

Comparator: no screening/ standard care

Study type: Randomized control trials (RCTs), controlled trials, controlled cohort studies, with at least 6 months of follow-up data from baseline

Setting: primary care or public health setting

Outcomes: patient important outcomes and the scales used to measure such outcomes were based on those selected and prioritized by Canadian clinicians and policymakers (clinical and process outcomes)

Language: English, French
KQ3. What is the effectiveness of treatment for children diagnosed with DD to improve outcomes?

Outcomes of interest:

- Clinical outcomes: cognitive function; academic performance; incidence of mental health conditions; overall quality of life; survival; functionality as an adult; and improvement to gross and fine motor skills, language, adaptive functioning, and cognition and performance (for domain specific delays)

KQ4. What is the incidence of harms of treatment for children diagnosed with DD?
Eligible Study Types: Treatment KQ3 & KQ4

**Population:** Children aged 1 to 6 diagnosed with domain specific developmental delay (DD) in one or more of the domains (gross and fine motor skills; speech and language; social and personal activities of daily living; performance and cognition).

* Treatment intervention had to have been initiated between the ages of 1-6 years.

**Interventions:** any behavioral, psychological, or pharmacological

**Comparator:** no treatment or standard care

**Study Design and Comparison Groups:** Systematic reviews and RCTs using comparison groups receiving usual care or no intervention were considered.

**Outcomes:** patient important outcomes and the scales used to measure such outcomes were based on those selected and prioritized by Canadian clinicians and policymakers

**Language:** English or French.
KQ5. What is the sensitivity, specificity, positive and negative predictive values, and likelihood ratios of the various screening tests to assess DD in children aged 1 to 4 years who are not already suspected of having DD?
Eligible Study Types – Test Properties KQ5

**Population:** children aged 1 to 4 without suspected DD

**Intervention:** any short screening test, tool or questionnaire that could be administered in a primary care setting or currently in use in Canada:
- Ex. Ages and Stages Questionnaire (ASQ); Parents’ Evaluation of Developmental (PEDS); Nipissing District Developmental Screen (NDDS);

**Study design:** RCTs, cohort and case-control studies; Index and reference tests administered concurrently or within a brief time interval;

**Reference Standard:** clinical or diagnostic evaluations using:
- Ex. Bayley Scale of Infant Development (BSID) or BSID-II; Wechsler Preschool and Primary Scale of Intelligence (WPPSI); Vineland Adaptive Behavior Scale (VABS);

**Language:** English or French

**Exclusions:** prognostic tools, predictive tools, diagnostic tools
Three Contextual Questions:

• What is the cost-effectiveness and feasibility of screening for DD in children aged 1-4?

• What are parent/care givers values and preferences for screening?

• What is the evidence for higher burden of disease, differential performance for screening and/or treatment response for DD or barriers to implementation of screening in subgroups
How is Evidence Graded?

The “GRADE” System:
• Grading of Recommendations, Assessment, Development & Evaluation

What are we grading?

1. Quality of Evidence
   – Degree of confidence that the available evidence correctly reflects the theoretical true effect of the intervention or service.
   – high, moderate, low, very low

2. Strength of Recommendation
   – the balance between desirable and undesirable effects; the variability or uncertainty in values and preferences of citizens; and whether or not the intervention represents a wise use of resources.
   – strong and weak
How is the Strength of Recommendations Determined?

The strength of the recommendations (strong or weak) are based on four factors:

- **Quality** of supporting evidence
- Certainty about the **balance between desirable and undesirable** effects
- Certainty / variability in **values and preferences** of individuals
- Certainty about whether the intervention represents a **wise use of resources**
## Interpretation of Recommendations

<table>
<thead>
<tr>
<th>Implications</th>
<th>Strong Recommendation</th>
<th>Weak Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>For patients</td>
<td>• Most individuals would want the recommended course of action;</td>
<td>• The majority of individuals in this situation would want the suggested course of action but many would not.</td>
</tr>
<tr>
<td></td>
<td>• only a small proportion would not.</td>
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<tr>
<td>For clinicians</td>
<td>• Most individuals should receive the intervention.</td>
<td>• Recognize that different choices will be appropriate for individual patients;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Clinicians must help patients make management decisions consistent with values and preferences.</td>
</tr>
<tr>
<td>For policy makers</td>
<td>• The recommendation can be adapted as policy in most situations.</td>
<td>• Policy making will require substantial debate and involvement of various stakeholders.</td>
</tr>
</tbody>
</table>
Screening for Developmental Delay

KEY FINDINGS & RECOMMENDATIONS
Evidence: Screening for DD

- One moderate quality American study (n=2,103) measured whether screening for DD improves time to referral, percentage of early referrals, and eligibility for early intervention services (process outcomes)
  - Compared children screening (with and without office support) using ASQ-II at 9, 18, 30 months and M-CHAT at 18 & 24 months with usual care (age appropriate milestones were assessed at well child visits)

<table>
<thead>
<tr>
<th></th>
<th>Screen with office support (to complete ASQ) (n = 704)</th>
<th>Screening without office support (to complete ASQ) (n = 693)</th>
<th>Standard care (n = 695)</th>
<th>P Value for Overall Difference Between Arms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identified delay</td>
<td>23.0% (n=162)</td>
<td>26.8% n=186</td>
<td>13.0% n=90</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Referred to Early Intervention* (El) assessment</td>
<td>19.9% 140</td>
<td>17.5% n=121</td>
<td>10.2% n=71</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Completion of El* assessment</td>
<td>9.8% n=69</td>
<td>8.5% n=59</td>
<td>6.0% n=42</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Eligible for El* services</td>
<td>7.0% n=49</td>
<td>5.3% n=37</td>
<td>3.0% n=21</td>
<td>.004</td>
</tr>
<tr>
<td>Time to referral</td>
<td>181 days 70% shorter time to referral compared with control</td>
<td>234 days 64% shorter time to referral compared with control</td>
<td>467 days</td>
<td></td>
</tr>
</tbody>
</table>

* NB early intervention refers to programs offered in the US as part of American Individuals with Disability Education Act, intended to ensure that children with disabilities have access to free individualized public education programs and interventions. Due to potential differences in legislation and the availability of programs and services in different countries results related to early intervention may not be generalizable.
Evidence: Screening for DD

- One low quality cluster RCT conducted in the Netherlands reported on academic outcomes of children screened for language delay.
- Compared outcomes at 8 years of age for children screened at 15-18 months and 24 months using the VroegTijdige Onderkenning Ontwikkelingsstoornissen (VTO) Language Screening instrument with control group (standard care):
  - Post-screening, the study did not offer an intervention and did not indicate whether children received interventions elsewhere.
  - No significant differences in educational attainment between children identified with language delay through screening or through usual care (no screening).
    - RR 0.99 for repeating a grade (95% CI 0.81, 1.21)
    - Little difference in performance on standardized tests between screened and non-screened children.
      - RR 0.88 for performance on oral tests <10th percentile (95% CI 0.63, 1.2)
      - RR 1.00 (95% CI 0.72, 1.40) for reading tests <10th percentile
    - Some difference in performance on standardized spelling test.
      - RR 0.68 (95% CI 0.41 to 1.13) for spelling tests <10th percentile.
Evidence: Treatment of DD

- 3 structured language-based interventions (n=239 total) for children with speech/language impairments offered some improvement
  - Standard Mean Difference (SMD) of 0.81 [95%CI 0.02, 1.60]
- 2 systematic reviews examining intensive behavioural interventions improved cognitive function in children with known DD due to ASD
  - Applied Behavioural Analysis (n=129) showed an SMD of 1.34 (0.60, 2.08)
  - Early Intensive Behavioural Intervention (n=172) showed an SMD of 0.76 (95% CI 0.04 to 1.11).
- 1 systematic review of parent-mediated interventions had no effect on cognitive outcomes
- No harms from treatment identified
- Treatment findings based on non-screen detected DD
- No studies identified that reported on treatment outcomes for academic performance, fine and/or gross motor skills, mental health, adaptive function, social skills, survival, or functionality as an adult
Evidence: Treatment of DD

- CTFPHC also reviewed evidence from 5 systematic reviews on treatment for ASD

<table>
<thead>
<tr>
<th>Study</th>
<th>Intervention</th>
<th>Outcome</th>
<th>Size</th>
<th>Effect</th>
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</thead>
<tbody>
<tr>
<td>Virues-Ortega 2010</td>
<td>Applied Behavioural Analysis (ABA)</td>
<td>Cognitive Function IQ</td>
<td>3 studies N=129</td>
<td>Standard Mean Difference (SMD): 1.34 (0.60, 2.08)</td>
</tr>
<tr>
<td>Reichow 2012</td>
<td>Early Intensive Behavioural Intervention (EIBI)</td>
<td>Cognitive Function (composite IQ)</td>
<td>5 studies n= 200 4 pooled n=172 n=28</td>
<td>Four studies SMD: 0.76 95% CI 0.04 ,1.11 One study was not pooled (Smith 2000): g=0.74</td>
</tr>
<tr>
<td>Spreckley 2009</td>
<td>Applied Behavioural Intervention (ABI)</td>
<td>Cognitive Function</td>
<td>N/A</td>
<td>No studies reported due to duplication with other syst. reviews</td>
</tr>
<tr>
<td>Oono 2013</td>
<td>Parent-mediated early intervention</td>
<td>Cognitive Function</td>
<td>1 study n=24</td>
<td>Authors state study did not report any difference between groups</td>
</tr>
</tbody>
</table>

Alternative interventions

<table>
<thead>
<tr>
<th>Study</th>
<th>Intervention</th>
<th>Outcome</th>
<th>Size</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cheuk 2011</td>
<td>Acupuncture w/ standard care</td>
<td>Cognitive Function</td>
<td>4 studies (n=179) not pooled n= 50 n= 59 n= 40 n=30</td>
<td>SMD 3.46 95% CI -2.0,8.92 Reported no significant difference CPEP MD 10.75, 95% CI 3.82,17.68 P = 0.002 Reported no significant difference</td>
</tr>
<tr>
<td></td>
<td>Basic developmental assessment</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Acupressure w/ standard care</td>
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Evidence: Diagnostic Accuracy of Screening Tests

- Commonly used screening tests were found to have inconsistent accuracy and moderate to low specificity.

- Ages and Stages Questionnaire (ASQ)
  - n= 331 children (34 cases, 297 non-cases) aged 12 to 60 months without a documented history of DD in general primary care settings.
  - Sensitivity 82%; Specificity 78% (22% false positive rate).
  - n= 565 children (13 cases) aged 18 to 42 months
  - Sensitivity of 62%; Specificity of 84% (16% false positive rate).

- Parents’ Evaluation of Developmental Status (PEDS)
  - n= 331 children (34 cases, 297 non-cases) aged 12 to 60 months
  - Sensitivity 74%; Specificity 64% (36% false positive rate).

- Nipissing District Development Screen (NDDS)
  - n= 812 (31 cases)
  - Moderate re-test reliability (78%)
  - Sensitivity 29-63%; Specificity 65-88% (12-35% false positive rate)
  - Varies based on age and cut-points used
  - Currently no peer reviewed studies on NDDS

1 Based on reports from the primary studies.
Summary: Harms & Benefits of Screening

- Lack of RCT evidence demonstrating any clinical benefits associated with screening for DD

- Possible harms related to screening include:
  - False positives among children without DD
  - Anxiety and labelling among children without DD
  - The cost of conducting unnecessary medical care (e.g., investigation, referral, treatment)
Summary Harms & Benefits of Treatment

- Some evidence suggesting that treatment of certain types of DD is beneficial compared with no treatment
  - there was no evidence that screening was necessary to obtain this benefit
Evidence: Contextual Questions

- The systematic review was unable to locate any studies reporting on parents values, preferences or willingness to have their children screened.

- No evidence reporting on the cost-effectiveness and feasibility of screening for DD in children was identified in the evidence review.

- The evidence review did not find any studies reporting on higher burden of disease, differential performance for screening and/or treatment response for DD or barriers to implementation of screening in subgroups.
Values and Preferences

• The evidence review did not find any studies investigating the values and preferences of parents or primary caregivers about screening for Developmental Delay.
CTFPHC Recommendation:

**Recommendation:** We recommend against screening for developmental delay using standardized tools in children aged 1 to 4 years with no apparent signs of DD and whose parents and clinicians have no concerns about development

*Strong recommendation; low quality evidence*

This recommendation **applies to** children* aged 1 to 4 years with no apparent signs of DD and whose parents or clinicians have no concerns about development.

*These are children whose age-appropriate developmental milestones have been sequentially acquired for gross and fine motor, social/emotional, language, and cognitive domains. Milestone ages should be based on the oldest age by which the skill should have been achieved.

This recommendation **does not apply** to children who present with signs, symptoms, or parental concern that could indicate developmental delay; or whose development is being closely monitored because of identified risk factors such as premature birth or low birth weight.
Basis for the recommendation

- No evidence from RCTs that screening children for developmental delay improves health outcomes
- No evidence that screening tools would consistently identify otherwise unrecognized cases
- Evidence that the low specificity would lead to a high number of false positive tests
- CTFPHC places a relatively higher value on the absence of evidence showing that screening is beneficial, the poor diagnostic accuracy of screening tests, the risk of false positives that could result from screening, and the potential for screening to divert resources from the treatment of children with clinically evident DD
- The CTFPHC places a relatively lower value on the few relatively small studies that suggest a benefit of treating certain forms of clinically evident DD, and on the lack of evidence on harms and parents/caregivers preferences and values in relation to screening
- The evidence supporting this recommendation is rated overall as low quality:
  - The systematic review found low quality evidence examining the effect of screening on academic performance; and no evidence reporting on the other clinical outcomes
  - A small number of moderate quality studies examining the effect of treatment on language impairment and cognition
  - The review did not identify any evidence for the remaining 6 outcomes: improvement to gross and fine motor skills, adaptive functioning, incidence of mental health conditions, overall quality of life, survival, and functionality as an adult.
Research Gaps

- High quality studies examining the benefits of screening for DD and the long-term effectiveness of treatment are lacking.

- Rigorous, controlled studies evaluating the effects of various treatment programs for children with known DD should be an urgent priority.

- Further research is needed to determine the most effective methods and tools for identifying DD.
## Comparison of Other Guidelines

<table>
<thead>
<tr>
<th>Source</th>
<th>Recommendation</th>
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<tbody>
<tr>
<td>CTFPHC, 1994</td>
<td>Recommended assessing developmental milestones at each visit. Recommended against the use of Denver Developmental Screening Test; Insufficient evidence to support the inclusion or exclusion of other screening instruments</td>
</tr>
<tr>
<td>Canadian Paediatric Society, 2011</td>
<td>Recommends screening for DD using a standardized tool such as NDDS at 18 month well baby visit</td>
</tr>
<tr>
<td>USPSTF, 2015</td>
<td>Insufficient evidence to assess the balance of benefits and harms of screening for screening for Speech &amp; Language Delay</td>
</tr>
<tr>
<td>USPSTF, 2016</td>
<td>ASD Guideline - insufficient evidence to assess the balance of benefits and harms of screening for screening for ASD</td>
</tr>
<tr>
<td>American Academy of Pediatrics, 2016 (2006)</td>
<td>Recommends screenings for DD using a standardized screening tool at 9, 18 and 30 month pediatric visits; screening for ASD at 18, 24 months</td>
</tr>
<tr>
<td>NICE (UK), 2011</td>
<td>No guidance on developmental delay; recommends against population-based screening for autism spectrum disorder</td>
</tr>
<tr>
<td>SIGN (Scotland), 2007</td>
<td>No guidance on developmental delay; population-based screening for autism spectrum disorder is not recommended.</td>
</tr>
</tbody>
</table>
Screening for Developmental Delay

IMPLEMENTATION OF RECOMMENDATIONS
Implementation in Practice

• Clinicians should continue ongoing monitoring of development including:
  – identifying risk factors for DD (e.g., low birth weight, family history of DD)
  – remaining alert to any social, economic or environmental factors (e.g., maternal education, mental illness, neglect)
  – talking with parents about their child’s development and eliciting any parental concerns
  – being alert to signs of DD (i.e., delays in a developmental domain)

• Clinicians should proceed with case finding for children they believe may be at risk of DD

• Clinicians should proceed with clinical evaluation when possible signs of DD are detected in individual patients
  – referring children for specialist evaluation as clinically indicated
Knowledge Translation Tools

• The CTFPHC creates KT tools to support the implementation of guidelines into clinical practice.

• A clinician FAQ has been developed for the developmental delay guideline.

• After the public release, these tools will be freely available for download in both French and English on the website: www.canadiantaskforce.ca
Screening for Developmental Delay

CONCLUSIONS
Key Points

- **CTFPHC recommends against screening for developmental delay using standardized tools in children aged 1 to 4 years with no apparent signs of DD and whose parents and clinicians have no concerns about development.** Strong recommendation; low quality evidence
  - No RCT evidence to suggest that population-based screening for developmental delay (DD) improves health outcomes
  - No evidence that screening tools would consistently identify otherwise unrecognized cases; there is evidence that low specificity would lead to high proportion of false positive tests
  - High-quality RCT evidence on treatment for known DD is lacking; A few small trials suggest that speech and language therapy may improve language impairment and that treatment of autism may improve cognitive function

- Primary care providers are encouraged to continue with standard clinical practice, including the identification of risk factors for DD, being alert to signs and symptoms of DD, and eliciting any parental concerns about development

- Clinicians should proceed with case finding for children they believe may be at risk of DD and clinical evaluation when possible signs of DD are detected in individual patients
Conclusions

• The CTFPHC recommends physicians to remain vigilant in monitoring a child’s development at each clinical encounter and focus on confirming the diagnosis of DD among children in whom it is suspected.

• Studies examining the benefits of screening for developmental delay and the long-term effectiveness of treatment are lacking.

• Studies evaluating the best ways to treat children with known DD should be an urgent priority — especially given the promising findings about the potential benefits of treating diagnosed DD.
Update: CTFPHC Mobile App Now Available

- The app contains guideline and recommendation summaries, knowledge translation tools, and links to additional resources.

- Key features include the ability to bookmark sections for easy access, display content in either English or French, and change the font size of text.
More Information

For more information on the details of this guideline please see:

- Canadian Task Force for Preventive Health Care website: [http://canadiantaskforce.ca/?content=pcp](http://canadiantaskforce.ca/?content=pcp)
Questions & Answers

Thank you