

# Growth: Assessing Concerns and Management

## Endocrinologist Measures

Measures based on retrospective review of a minimum of 15 charts of patients referred for abnormal linear growth (short stature or decreased growth velocity) and/or a concern about pubertal development

Aim	Data Collection Question	Measure	Goal
100% of patients will have all essential growth parameters discussed with the patient/family at the most recent endocrinologist visit.	1. Were all essential growth parameters discussed with the patient/family at the most recent endocrinologist visit? <input type="radio"/> Yes <input type="radio"/> No	<b>Name:</b> Growth parameters discussed with patient/family <b>KCA:</b> Monitor and Discuss Growth and Pubertal Development <b>Definition:</b> Percentage of patients with all essential growth parameters discussed with the patient/family <b>Source:</b> Questions #1 <b>Numerator:</b> Yes selected in #1 <b>Denominator:</b> Total Number of Charts	100%
100% of patients will have their growth velocity documented at the most recent endocrinologist visit	2. Was growth velocity documented at the most recent endocrinologist visit? <input type="radio"/> Yes <input type="radio"/> No	<b>Name:</b> Growth velocity documented at the most recent endocrinologist visit <b>KCA:</b> Monitor and Discuss Growth and Pubertal Development <b>Definition:</b> Percent of patients with growth velocity documented at every endocrinologist visit <b>Source:</b> Question #2 <b>Numerator:</b> Yes selected in #2 <b>Denominator:</b> Total number of charts	100%

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Aim	Data Collection Question	Measure	Goal
90% of patients will have their upper to lower segment ratio documented at the initial endocrinologist visit	3. Was the upper to lower segment ratio documented at the initial endocrinologist visit? <input type="radio"/> Yes <input type="radio"/> No	<b>Name:</b> Upper to lower segment ratio documented  <b>KCA:</b> Monitor and Discuss Growth and Pubertal Development  <b>Definition:</b> Percent of patient charts with documentation of upper to lower segment ratio at initial endocrinologist visit  <b>Source:</b> Question #3  <b>Numerator:</b> <b>Yes</b> selected in #3  <b>Denominator:</b> Total number of charts	90%
80% of patients will have had the patient's pubertal assessment discussed with the patient/family unless not age appropriate, no clinical indications or no concerns identified.	4. Were the results of a pubertal assessment discussed with the patient/family, at the initial endocrinologist visit?  <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A, <del>(</del> patient not of pubertal age, no clinical indications, or no concerns identified <del>)</del>	<b>Name:</b> Pubertal assessment results discussed with patient/family at initial visit  <b>KCA:</b> Monitor and Discuss Growth and Pubertal Development  <b>Definition:</b> Percentage of patients with their pubertal assessment discussed with the patient/family, if applicable, at the visit  <b>Source:</b> Question #4  <b>Numerator:</b> <b>Yes</b> selected in #4  <b>Denominator:</b> Total Number of Charts with <b>Yes</b> selected in Question #4 <b>minus N/A, not age appropriate</b> selected in Question #4	80%
100% of patients will have mid-parental height calculated and documented unless not obtainable (ie, one parent not involved, child adopted without biological parent information, etc)	5. Was mid-parental height calculated and documented by your practice? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not obtainable (ie, one parent not involved, child adopted without biological parent information, etc)	<b>Name:</b> Mid-parental height calculated and documented  <b>KCA:</b> Monitor and Discuss Growth and Pubertal Development  <b>Definition:</b> Percentage of patients with mid-parental height calculated and documented unless not obtainable  <b>Source:</b> Question #5  <b>Numerator:</b> <b>Yes</b> selected in #5  <b>Denominator:</b> Total number of charts <b>minus Not Obtainable</b> selected in Question #5	100%

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Aim	Data Collection Question	Measure	Goal
100% of patients on growth hormone therapy will have documentation of bone-age within the past 12 months	<p>6. If the patient is on growth hormone therapy, was a bone-age documented within the past 12 months?</p> <p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA, patient not on growth hormone therapy</p>	<p><b>Name:</b> Documentation of bone-age within 12 months for patients on growth hormone therapy</p> <p><b>KCA:</b> Investigate or Manage Growth Concerns</p> <p><b>Definition:</b> Percentage of patients on growth hormone therapy with chart documentation of bone-age within 12 months</p> <p><b>Source:</b> Question #6</p> <p><b>Numerator:</b> <b>Yes</b> selected in #6</p> <p><b>Denominator:</b> Total number of charts <u>minus</u> <b>N/A, patient not on growth hormone therapy</b> selected in Question #6</p>	100%
	<p><i>If Yes, to question 6:</i></p> <p>6a. Was bone-age older than 14 or 16 for a female or male, respectively?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>	<b>Not Measured</b>	
100% of patients will have growth hormone therapy discontinued if a bone-age older than 14 or 16 for a female or male, respectively is documented within the last 12 months	<p><i>If Yes to question 6a</i></p> <p>6b. Was growth hormone therapy discontinued?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>	<p><b>Name:</b> Discontinuation of growth hormone therapy if bone-age is older than 14 or 16 for a female or male, respectively</p> <p><b>KCA:</b> Investigate or Manage Growth Concerns</p> <p><b>Definition:</b> Percentage of patients discontinued from growth hormone therapy if bone-age is older than 14 or 16 for a female or male, respectively within 12 months</p> <p><b>Source:</b> Question #6a &amp; 6b</p> <p><b>Numerator:</b> <b>Yes</b> selected in #6b</p> <p><b>Denominator:</b> Total number of charts with <b>Yes</b> selected in Question #6a</p>	100%

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Aim	Data Collection Question	Measure	Goal
100% of patients will have all listed information obtained from the referring provider	<p>7. Did your practice attempt to obtain <b>all</b> of the following items from the referring provider?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input type="checkbox"/> History <input type="checkbox"/> Physical examination <input type="checkbox"/> Growth charts <input type="checkbox"/> Medications, if any <input type="checkbox"/> Laboratory and imaging results, if any <input type="checkbox"/> Summary of case (ie, impression of growth concern) <input type="checkbox"/> Contact information of the referring provider <input type="checkbox"/> Contact information for the patient/family</p>	<p><b>Name:</b> Attempt to obtain all information from referring provider</p> <p><b>KCA:</b> Follow Up and Communicate with the Care Team</p> <p><b>Definition:</b> Percentage of patients whose information was obtained from the referring provider</p> <p><b>Source:</b> Question #7</p> <p><b>Numerator:</b> <b>Yes</b> selected in <b>#7</b></p> <p><b>Denominator:</b> Total number of charts</p>	100%
100% of patients with diagnostic tests ordered by your practice will have documentation of the test results in the patient's written care plan	<p>8. Were all test results documented in the patient's written care plan by your practice?</p> <p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A, tests still in progress, or none ordered</p>	<p><b>Name:</b> Test results documented in patient care plan</p> <p><b>KCA:</b> Investigate or Manage Growth Concerns</p> <p><b>Definition:</b> Percentage of patients charts with documentation of test results in the patient's written care plan</p> <p><b>Source:</b> Question #8</p> <p><b>Numerator:</b> <b>Yes</b> selected in <b>#8</b></p> <p><b>Denominator:</b> Total number of charts <b>minus Not Applicable, tests still in progress or not ordered</b>, selected in Question #8</p>	100%

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100% of patient charts will have documentation that educational materials regarding suspected growth or pubertal development concerns were provided to the patient/family by your practice	<p>9. Were educational materials or web-based links provided by your practice to the patient/family about the suspected growth or pubertal development concern?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>	<p><b>Name:</b> Educational materials provided to patient/family documented</p> <p><b>KCA:</b> Investigate or Manage Growth Concerns</p> <p><b>Definition:</b> Percentage of patient charts with documentation that educational materials were provided to the patient/family</p> <p><b>Source:</b> Question #9</p> <p><b>Numerator:</b> <b>Yes</b> selected in Question <b>#9</b></p> <p><b>Denominator:</b> Total number of charts</p>	100%
100% of patients and families will have an assessment for potential growth related psychosocial issues	<p>10. Was an assessment for potential growth related psychosocial issues for the patient and family made?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>	<p><b>Name:</b> Patient and family growth related psychosocial issues assessed</p> <p><b>KCA:</b> Investigate or Manage Growth Concerns</p> <p><b>Definition:</b> Percentage of patients and families for whom you have completed an assessment for growth related psychosocial issues</p> <p><b>Source:</b> Question #10</p> <p><b>Numerator:</b> <b>Yes</b> selected <b>#10</b></p> <p><b>Denominator:</b> Total number of charts</p>	100%

# Growth: Assessing Concerns and Management

Aim	Data Collection Question	Measure	Goal
100% of patient charts will have a written care plan established, updated or maintained, provided to the patient, family and referring physician following the most recent endocrinologist visit	<p>11. At the most recent endocrinologist visit, check all that apply regarding the <a href="#">written care plan</a> for growth or pubertal disorders:</p> <ul style="list-style-type: none"> <li>a) The plan was established, updated, or maintained</li> <li>b) The plan was provided to the patient/family</li> <li>c) The plan was shared with the referring physician, following the visit</li> <li>d) No care plan documented in the medical record</li> </ul>	<p><b>Name:</b> Written care plan established, updated or maintained &amp; provided to patient, family &amp; referring physician</p> <p><b>KCA:</b> Follow Up and Communicate with the Care Team</p> <p><b>Definition:</b> Percentage of patients with a written care plan established, updated or maintained, provided to the patient, family and referring physician following the most recent endocrinologist visit</p> <p><b>Source:</b> Question #11</p> <p><b>Numerator:</b> a, <u>and</u> b, <u>and</u> c selected in #11</p> <p><b>Denominator:</b> Total number of charts</p> <p><b>Note:</b> If d is selected in Question #11, that would be an incorrect response. If any combination of a, b, or c is selected (other than a, and b, and c) it is considered an incorrect response. All 3 (a, b, and c) need to be selected to be counted in numerator.</p>	100%
100% of patients and families will have side effects and benefits of treatment communicated to them, if treatment is recommended	<p>12. Were potential side effects and benefits of treatment communicated to the patient/family?</p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> <li><input type="radio"/> No treatment recommended</li> </ul>	<p><b>Name:</b> Potential side effects &amp; benefits of treatment communicated to patient/family</p> <p><b>KCA:</b> Follow Up and Communicate with the Care Team</p> <p><b>Definition:</b> Percentage of patients for whom side effects &amp; benefits of treatment were communicated to the patient/family</p> <p><b>Source:</b> Question #12</p> <p><b>Numerator:</b> Yes selected #12</p> <p><b>Denominator:</b> Total number of charts <u>minus</u> No treatment recommended selected in Question #12</p>	100%