

**SCALING AND SCORING OF THE**

**Pediatric Quality of Life Inventory™**

**PedsQL™**

Mapi Research Trust  
27 rue de la Villette  
69003 Lyon  
France  
Phone: +33 (0) 4 72 13 65 75  
Fax: +33 (0) 4 72 13 66 82

Contact:  
Marie-Pierre Emery  
E-mail: [mpemery@mapigroup.com](mailto:mpemery@mapigroup.com)

James W. Varni, Ph.D.  
Professor  
Department of Pediatrics, College of Medicine  
Professor, Department of Landscape  
Architecture and Urban Planning, College of  
Architecture  
3137 TAMU  
College Station, Texas 77843-3137  
USA

E-mail : [jvarni@arch.tamu.edu](mailto:jvarni@arch.tamu.edu)

<b>PedsQL™ Infant Scales .....</b>	<b>4</b>
PARENT Report for Infants (ages 1-24 months).....	4
<b>PedsQL™ 4.0 Generic Core Scales .....</b>	<b>7</b>
PARENT Report for Toddlers (ages 2-4) .....	7
<b>PedsQL™ 4.0 Generic Core Scales .....</b>	<b>9</b>
CHILD and PARENT Reports for Young Children (ages 5-7), Children (ages 8-12), Teens (ages 13-18).....	9
<b>PedsQL™ 4.0 Generic Core Scales .....</b>	<b>11</b>
YOUNG ADULT Report (ages 18-25) and ADULT Report (ages over 26).....	11
<b>PedsQL™ 4.0 SF15 Short Form Generic Core Scales.....</b>	<b>13</b>
PARENT Report for Toddlers (ages 2-4) CHILD and PARENT Reports for Young Children (ages 5-7), Children (ages 8-12), Teens (ages 13-18).....	13
<b>PedsQL™ General Well-Being Scale.....</b>	<b>16</b>
CHILD, ADOLESCENT and YOUNG ADULT Report (ages 8-25 years of age) .....	16
<b>PedsQL™ 3.0 Arthritis Module .....</b>	<b>18</b>
PARENT Report for Toddlers (ages 2-4) .....	18
<b>PedsQL™ 3.0 Arthritis Module .....</b>	<b>20</b>
CHILD and PARENT Reports for Young Children (ages 5-7).....	20
<b>PedsQL™ 3.0 Arthritis Module .....</b>	<b>22</b>
CHILD and PARENT Reports for Children (ages 8-12), Teens (ages 13-18) .....	22
<b>PedsQL™ 3.0 Asthma Module .....</b>	<b>24</b>
PARENT Report for Toddlers (ages 2-4) .....	24
<b>PedsQL™ 3.0 Asthma Module .....</b>	<b>26</b>
CHILD and PARENT Reports for Young Children (ages 5-7), Children (ages 8-12), Teens (ages 13-18).....	26
<b>PedsQL™ 3.0 SF22 Short Form Asthma Module.....</b>	<b>28</b>
PARENT Report for Toddlers (ages 2-4) .....	28
<b>PedsQL™ 3.0 SF22 Short Form Asthma Module .....</b>	<b>30</b>
CHILD and PARENT Reports for Young Children (ages 5-7), Children (ages 8-12), Teens (ages 13-18).....	30
<b>PedsQL™ Brain Tumor Module.....</b>	<b>32</b>
PARENT Report for Toddlers (ages 2-4) .....	32
<b>PedsQL™ Brain Tumor Module.....</b>	<b>34</b>
CHILD and PARENT Reports for Young Children (ages 5-7).....	34
<b>PedsQL™ Brain Tumor Module.....</b>	<b>36</b>
CHILD and PARENT Reports for Children (ages 8-12), Teens (ages 13-18) .....	36
<b>PedsQL™ 3.0 Cancer Module .....</b>	<b>38</b>
PARENT Report for Toddlers (ages 2-4) .....	38
<b>PedsQL™ 3.0 Cancer Module .....</b>	<b>40</b>
CHILD and PARENT Reports for Young Children (ages 5-7) .....	40
<b>PedsQL™ 3.0 Cancer Module .....</b>	<b>42</b>
CHILD and PARENT Reports for Children (ages 8-12), Teens (ages 13-18) .....	42
<b>PedsQL™ 3.0 Cardiac Module.....</b>	<b>45</b>
PARENT Report for Toddlers (ages 2-4) .....	45
<b>PedsQL™ 3.0 Cardiac Module.....</b>	<b>47</b>
CHILD and PARENT Reports for Young Children (ages 5-7) .....	47
<b>PedsQL™ 3.0 Cardiac Module.....</b>	<b>49</b>
CHILD and PARENT Reports for Children (ages 8-12) and Teens (ages 13-18) .....	49
<b>PedsQL™ 3.0 Cerebral Palsy Module.....</b>	<b>51</b>

PARENT Report for Toddlers (ages 2-4) .....	51
<b>PedsQL™ 3.0 Cerebral Palsy Module .....</b>	<b>53</b>
CHILD and PARENT Reports for Young Children (ages 5-7), Children (ages 8-12), Teens (ages 13-18) .....	53
<b>PedsQL™ Cognitive Functioning Scale.....</b>	<b>55</b>
<b>PedsQL™ 3.0 Diabetes Module.....</b>	<b>57</b>
<b>PedsQL™ 3.2 Diabetes Module.....</b>	<b>59</b>
<b>PedsQL™ 3.0 End Stage Renal Disease Module .....</b>	<b>61</b>
PARENT Report for Toddlers (ages 2-4) .....	61
<b>PedsQL™ 3.0 End Stage Renal Disease Module .....</b>	<b>63</b>
CHILD and PARENT Reports for Young Children (ages 5-7), Children (ages 8-12), Teens (ages 13-18).....	63
<b>PedsQL™ 2.0 Family Impact Module .....</b>	<b>65</b>
PARENT Report .....	65
<b>PedsQL™ Gastrointestinal Symptom Scale (GSS) .....</b>	<b>68</b>
PARENT Proxy Report.....	68
<b>PedsQL™ Healthcare Satisfaction Generic Module .....</b>	<b>70</b>
<b>PedsQL™ Healthcare Satisfaction Hematology / Oncology Module.....</b>	<b>72</b>
<b>PedsQL™ Multidimensional Fatigue Scale.....</b>	<b>74</b>
<b>PedsQL™ 3.0 Neuromuscular Module.....</b>	<b>76</b>
<b>PedsQL™ Oral Health Scale .....</b>	<b>78</b>
<b>PedsQL™ Pediatric Pain Coping Inventory™ (PPCI).....</b>	<b>80</b>
PARENT Report for Children and Teens (ages 5-18) .....	80
CHILD Report for Children (ages 5-12), Teens (ages 13-18) .....	80
<b>PedsQL™ Pediatric Pain Questionnaire™ (PPQ) .....</b>	<b>82</b>
<b>PedsQL™ Present Functioning Visual Analogue Scale (PedsQL™ VAS) .....</b>	<b>84</b>
CHILD and PARENT reports for CHILD (ages 5-18).....	84
<b>PedsQL™ 3.0 Rheumatology Module.....</b>	<b>86</b>
PARENT Report for Toddlers (ages 2-4) .....	86
<b>PedsQL™ 3.0 Rheumatology Module.....</b>	<b>88</b>
CHILD and PARENT reports for Young Children (ages 5-7) .....	88
<b>PedsQL™ 3.0 Rheumatology Module.....</b>	<b>90</b>
CHILD and PARENT reports for Children (ages 8-12) and Teens (ages 13-18).....	90
<b>PedsQL™ 3.0 Transplant Module .....</b>	<b>92</b>

# PedsQL™ Infant Scales

## PARENT Report for Infants (ages 1-24 months)

The **Parent Report for Infants** (ages 1-24 months) of the **PedsQL™ Infant Scales** is composed of 36 items for infants ages 1-12 months and 45 items for infants ages 13-24 months comprising 5 dimensions.

**DESCRIPTION OF THE QUESTIONNAIRE (INFANTS 1-12 MONTHS):**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Physical Functioning	6	1-6	1-6	Higher scores indicate better HRQOL.
Physical Symptoms	10	1-10	1-10	
Emotional Functioning	12	1-12	1-12	
Social Functioning	4	1-4	1-4	
Cognitive Functioning	4	1-4	1-4	

**DESCRIPTION OF THE QUESTIONNAIRE (INFANTS 13-24 MONTHS):**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Physical Functioning	9	1-9	1-9	Higher scores indicate better HRQOL.
Physical Symptoms	10	1-10	1-10	
Emotional Functioning	12	1-12	1-12	
Social Functioning	5	1-5	1-5	
Cognitive Functioning	9	1-9	1-9	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<b><u>Step 1: Transform Score</u></b> Items are reversed scored and linearly transformed to a 0-100 scale as follows:

	<p>0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores</u></b></p> <p><u>Score by Dimensions:</u></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed.</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><u>Psychosocial Health Summary Score</u> = Sum of the items over the number of items answered in the Emotional, Social, and Cognitive Functioning Scales.</p> <p><u>Physical Health Summary Score</u> = Sum of the items over the number of items answered in the Physical Functioning and Physical Symptoms Scales.</p> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<p><b>Interpretation and Analysis of Missing Data</b></p>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

---

# PedsQL™ 4.0 Generic Core Scales

---

## PARENT Report for Toddlers (ages 2-4)

---

The **Parent Report for Toddlers** (ages 2-4) of the **PedsQL™ 4.0 Generic Core Scales** is composed of 21 items comprising 4 dimensions.

**DESCRIPTION OF THE QUESTIONNAIRE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Physical Functioning	8	1-8	1-8	Higher scores indicate better HRQOL.
Emotional Functioning	5	1-5	1-5	
Social Functioning	5	1-5	1-5	
School Functioning	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores</u></b></p> <p><u>Score by Dimensions:</u></p> <ul style="list-style-type: none"> <li>If more than 50% of the items in the scale are missing, the scale scores should not be computed.</li> <li>Mean score = Sum of the items over the number of items answered.</li> </ul> <p><u>Psychosocial Health Summary Score</u> = Sum of the items over the number of items answered in the Emotional, Social, and School Functioning Scales.</p> <p><u>Physical Health Summary Score</u> = Physical Functioning Scale Score</p> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>



## **PedsQL™ 4.0 Generic Core Scales**

**CHILD and PARENT Reports for Young Children (ages 5-7),  
Children (ages 8-12), Teens (ages 13-18)**

The **Child and Parent Reports** of the **PedsQL™ 4.0 Generic Core Scales** for:

- Young Children (ages 5-7),
- Children (ages 8-12),
- And Teens (ages 13-18),

are composed of 23 items comprising 4 dimensions.

**DESCRIPTION OF THE QUESTIONNAIRE:**

Dimensions	Number of Items	Cluster of Items	Reversed scoring	Direction of Dimensions
Physical Functioning	8	1-8	1-8	Higher scores indicate better HRQOL.
Emotional Functioning	5	1-5	1-5	
Social Functioning	5	1-5	1-5	
School Functioning	5	1-5	1-5	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Young Child (ages 5-7) child report
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores</u></b></p> <p><u>Score by Dimensions:</u></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><u>Psychosocial Health Summary Score</u> = Sum of the items over the number of items answered in the Emotional, Social, and School Functioning Scales.</p> <p><u>Physical Health Summary Score</u> = Physical Functioning Scale Score</p> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	If more than 50% of the items in the scale are missing, the Scale Scores should not be computed. If 50% or more items are completed: Impute the mean of the completed items in a scale.

---

# PedsQL™ 4.0 Generic Core Scales

---

**YOUNG ADULT Report (ages 18-25) and ADULT Report (ages over 26)**

---

The **Young Adult and Adult Reports** of the **PedsQL™ 4.0 Generic Core Scales** for:

- Young Adults (ages 18-25),
- Adults (ages over 26),

are composed of 23 items comprising 4 dimensions.

**DESCRIPTION OF THE QUESTIONNAIRE:**

Dimensions	Number of Items	Cluster of Items	Reversed scoring	Direction of Dimensions
Physical Functioning	8	1-8	1-8	Higher scores indicate better HRQOL.
Emotional Functioning	5	1-5	1-5	
Social Functioning	5	1-5	1-5	
School Functioning	5	1-5	1-5	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores</u></b></p> <p><u>Score by Dimensions:</u></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><u>Psychosocial Health Summary Score</u> = Sum of the items over the number of items answered in the Emotional, Social, and School Functioning Scales.</p> <p><u>Physical Health Summary Score</u> = Physical Functioning Scale Score</p> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# **PedsQL™ 4.0 SF15**

## **Short Form Generic Core Scales**

**PARENT Report for Toddlers (ages 2-4)**  
**CHILD and PARENT Reports for Young Children (ages 5-7),**  
**Children (ages 8-12), Teens (ages 13-18)**

The **Parent Report for Toddlers** (ages 2-4) and the **Child & Parent Reports for Young Children** (ages 5-7), **Children** (ages 8-12) and **Teens** (ages 13-18) of the **PedsQL™ 4.0 SF15 Generic Core Scales** are composed of 15 items comprising 4 dimensions.

**DESCRIPTION OF THE SF15 QUESTIONNAIRE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Physical Functioning	5	1-5	1-5	Higher scores indicate better HRQOL.
Emotional Functioning	4	1-4	1-4	
Social Functioning	3	1-3	1-3	
School Functioning	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scales: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Young Child self-report
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores</u></b></p> <p><u>Score by Dimensions:</u></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><u>Psychosocial Health Summary Score</u> = Sum of the items over the number of items answered in the Emotional, Social, and School Functioning Scales.</p> <p><u>Physical Health Summary Score</u> = Physical Functioning Scale Score</p> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>

---

<b>Interpretation and Analysis of Missing Data</b>	If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.  If 50% or more items are completed: Impute the mean of the completed items in a scale.
--	--

## **PedsQL™ General Well-Being Scale**

**CHILD, ADOLESCENT and YOUNG ADULT Report (ages 8-25  
years of age)**



The **PedsQL™ General Well-Being Scale** is composed of 6 items for ages 8-25 years of age, and 1 overall General Health item.

**DESCRIPTION OF THE QUESTIONNAIRE (ages 8-25 years):**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
General Well-Being	6	1-6	No	Higher scores indicate better HRQOL.

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
General Health	1	1	No	Higher scores indicate better HRQOL.

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are linearly transformed to a 0-100 scale as follows: 0=0, 1=25, 2=50, 3=75, 4=100.</p> <p><b><u>Step 2: Calculate Scores</u></b></p> <p><u>Score by Dimensions:</u></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale score should not be computed.</li> <li>• Mean score = Sum of the items over the number of items answered.</li> <li>• The General Health item is not included in the scale score, but is reported separately.</li> </ul>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Score should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

---

# PedsQL™ 3.0 Arthritis Module

---

## PARENT Report for Toddlers (ages 2-4)

---

The Parent Report for Toddlers (ages 2-4) of the **PedsQL™ 3.0 Arthritis Module** is composed of 14 items comprising 3 dimensions.

**DESCRIPTION OF THE ARTHRITIS MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	4	1-4	1-4	Higher scores indicate lower problems.
Daily Activities	5	1-5	1-5	
Treatment	5	1-5	1-5	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed</li> <li>• Mean score = Sum of the items over the number of items answered</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# PedsQL™ 3.0 Arthritis Module

**CHILD and PARENT Reports for Young Children (ages 5-7)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 Arthritis Module** for **Young Children** (ages 5-7) are composed of 20 items comprising 5 dimensions.

**DESCRIPTION OF THE ARTHRITIS MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	4	1-4	1-4	Higher scores indicate lower problems.
Daily Activities	5	1-5	1-5	
Treatment	5	1-5	1-5	
Worry	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) for the parent report 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the child report
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

## **PedsQL™ 3.0 Arthritis Module**

**CHILD and PARENT Reports for Children (ages 8-12), Teens  
(ages 13-18)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 Arthritis Module** for:

- Children (ages 8-12),
- And Teens (ages 13-18),

are composed of 22 items comprising 5 dimensions.

**DESCRIPTION OF THE ARTHRITIS MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	4	1-4	1-4	Higher scores indicate lower problems.
Daily Activities	5	1-5	1-5	
Treatment	7	1-7	1-7	
Worry	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>There is no Total Score</u></b></p>
<b>Interpretation and Analysis of missing data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# PedsQL™ 3.0 Asthma Module

---

## PARENT Report for Toddlers (ages 2-4)

---



The **Parent Report for Toddlers** (ages 2-4) of the **PedsQL™ 3.0 Asthma Module** is composed of 26 items comprising 4 dimensions.

**DESCRIPTION OF THE ASTHMA MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Asthma	11	1-11	1-11	Higher scores indicate lower problems.
Treatment	9	1-9	1-9	
Worry	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

## **PedsQL™ 3.0 Asthma Module**

**CHILD and PARENT Reports for Young Children (ages 5-7),  
Children (ages 8-12), Teens (ages 13-18)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 Asthma Module** for:

- Young Children (ages 5-7),
- Children (ages 8-12),
- And Teens (ages 13-18),

are composed of 28 items comprising 4 dimensions.

**DESCRIPTION OF THE ASTHMA MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Asthma	11	1-11	1-11	Higher scores indicate lower problems.
Treatment	11	1-11	1-11	
Worry	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the child report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

**PedsQL™ 3.0 SF22**  
**Short Form Asthma Module**

**PARENT Report for Toddlers (ages 2-4)**

The **Parent Report for Toddlers** (ages 2-4) of the **PedsQL™ 3.0 SF22 Asthma Module** is composed of 20 items comprising 2 dimensions.

**DESCRIPTION OF THE SF22 ASTHMA MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Asthma	11	1-11	1-11	Higher scores indicate lower problems.
Treatment	9	1-9	1-9	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# **PedsQL™ 3.0 SF22**

## **Short Form Asthma Module**

**CHILD and PARENT Reports for Young Children (ages 5-7),  
Children (ages 8-12), Teens (ages 13-18)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 SF22 Asthma Module** for:

- Young Children (ages 5-7),
- Children (ages 8-12),
- And Teens (ages 13-18)

are composed of 22 items comprising 2 dimensions.

**DESCRIPTION OF THE SF22 ASTHMA MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Asthma	11	1-11	1-11	Higher scores indicate lower problems.
Treatment	11	1-11	1-11	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child R Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# PedsQL™ Brain Tumor Module

---

## PARENT Report for Toddlers (ages 2-4)

---



The **Parent Report for Toddlers** (ages 2-4) of the **PedsQL™ Brain Tumor Module** is composed of 17 items comprising 5 dimensions.

**DESCRIPTION OF THE BRAIN TUMOR MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	3	1-3	1-3	Higher scores indicate lower problems.
Movement and Balance	3	1-3	1-3	
Procedural Anxiety	3	1-3	1-3	
Nausea	5	1-5	1-5	
Worry	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never a problem) to 4 (Almost always a problem)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>There is no Total Score</u></b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# **PedsQL™ Brain Tumor Module**

**CHILD and PARENT Reports for Young Children (ages 5-7)**

The **Parent and Child Reports for Young Children** (ages 5-7) of the **PedsQL™ Brain Tumor Module** are composed of 23 items comprising 6 dimensions.

**DESCRIPTION OF THE BRAIN TUMOR MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Cognitive Problems	6	1-6	1-6	Higher scores indicate lower problems.
Pain and Hurt	3	1-3	1-3	
Movement and Balance	3	1-3	1-3	
Procedural Anxiety	3	1-3	1-3	
Nausea	5	1-5	1-5	
Worry	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>There is no Total Score</u></b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

---

## **PedsQL™ Brain Tumor Module**

---

**CHILD and PARENT Reports for Children (ages 8-12), Teens  
(ages 13-18)**

---

The **Parent and Child Reports for Children** (ages 8-12) and **Teens** (ages 13-18) of the **PedsQL™ Brain Tumor Module** are composed of 24 items comprising 6 dimensions.

**DESCRIPTION OF THE BRAIN TUMOR MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Cognitive Problems	7	1-7	1-7	Higher scores indicate lower problems
Pain and Hurt	3	1-3	1-3	
Movement and Balance	3	1-3	1-3	
Procedural Anxiety	3	1-3	1-3	
Nausea	5	1-5	1-5	
Worry	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never a problem) to 4 (Almost always a problem)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>There is no Total Score</u></b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# PedsQL™ 3.0 Cancer Module

## PARENT Report for Toddlers (ages 2-4)

The Parent Report for Toddlers (ages 2-4) of the **PedsQL™ 3.0 Cancer Module** is composed of 25 items comprising 8 dimensions.

**DESCRIPTION OF THE CANCER MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	2	1-2	1-2	Higher scores indicate lower problems.
Nausea	5	1-5	1-5	
Procedural Anxiety	3	1-3	1-3	
Treatment Anxiety	3	1-3	1-3	
Worry	3	1-3	1-3	
Cognitive Problems	3	1-3	1-3	
Perceived Physical Appearance	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed to a 0 to 100 scale.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

## **PedsQL™ 3.0 Cancer Module**

**CHILD and PARENT Reports for Young Children (ages 5-7)**



The **Child and Parent Reports** of the **PedsQL™ 3.0 Cancer Module** for Young Children (ages 5-7), are composed of 26 items comprising 8 dimensions.

**DESCRIPTION OF THE CANCER MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	2	1-2	1-2	Higher scores indicate lower problems.
Nausea	5	1-5	1-5	
Procedural Anxiety	3	1-3	1-3	
Treatment Anxiety	3	1-3	1-3	
Worry	3	1-3	1-3	
Cognitive Problems	4	1-4	1-4	
Perceived Physical Appearance	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	If more than 50% of the items in the scale are missing, the Scale Scores should not be computed. If 50% or more items are completed: Impute the mean of the completed items in a scale.

---

## **PedsQL™ 3.0 Cancer Module**

---

**CHILD and PARENT Reports for Children (ages 8-12), Teens  
(ages 13-18)**

---

The **Child and Parent Reports** of the **PedsQL™ 3.0 Cancer Module** for:

- Children (ages 8-12),
- And Teens (ages 13-18)

are composed of 27 items comprising 8 dimensions.

**DESCRIPTION OF THE CANCER MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	2	1-2	1-2	Higher scores indicate lower problems.
Nausea	5	1-5	1-5	
Procedural Anxiety	3	1-3	1-3	
Treatment Anxiety	3	1-3	1-3	
Worry	3	1-3	1-3	
Cognitive Problems	5	1-5	1-5	
Perceived Physical Appearance	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation</b>	If more than 50% of the items in the scale are missing, the Scale Scores

---

<b>and Analysis of Missing Data</b>	should not be computed. If 50% or more items are completed: Impute the mean of the completed items in a scale.
---	--

# PedsQL™ 3.0 Cardiac Module

## PARENT Report for Toddlers (ages 2-4)

The Parent Report for Toddlers (age 2-4) of the PedsQL™ 3.0 Cardiac Module is composed of 23 items comprising 6 dimensions.

**DESCRIPTION OF THE CARDIAC MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Heart problems and Treatment	7	1-7	1-7	Higher scores indicate lower problems.
Treatment II	3	1-3	1-3	
Perceived Physical Appearance	3	1-3	1-3	
Treatment Anxiety	4	1-4	1-4	
Cognitive Problems	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed to a 0 to 100 scale.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score.</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

## **PedsQL™ 3.0 Cardiac Module**

**CHILD and PARENT Reports for Young Children (ages 5-7)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 Cardiac Module** for Young Children (ages 5-7) are composed of 25 items comprising 6 dimensions.

**DESCRIPTION OF THE CARDIAC MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Heart Problems and Treatment	7	1-7	1-7	Higher scores indicate lower problems.
Treatment II	3	1-3	1-3	
Perceived Physical Appearance	3	1-3	1-3	
Treatment Anxiety	4	1-4	1-4	
Cognitive Problems	5	1-5	1-5	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>



## **PedsQL™ 3.0 Cardiac Module**

**CHILD and PARENT Reports for Children (ages 8-12) and  
Teens (ages 13-18)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 Cardiac Module** for:

- Children (ages 8-12),
- And Teens (ages 13-18)

are composed of 27 items comprising 6 dimensions.

**DESCRIPTION OF THE CARDIAC MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Heart Problems and Treatment	7	1-7	1-7	Higher scores indicate lower problems.
Treatment II	5	1-5	1-5	
Perceived Physical Appearance	3	1-3	1-3	
Treatment Anxiety	4	1-4	1-4	
Cognitive Problems	5	1-5	1-5	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# **PedsQL™ 3.0 Cerebral Palsy Module**

---

## **PARENT Report for Toddlers (ages 2-4)**

---

The Parent Report for Toddlers (ages 2-4) of the **PedsQL™ 3.0 Cerebral Palsy Module** is composed of 22 items comprising 5 dimensions.

**DESCRIPTION OF THE CEREBRAL PALSY MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Daily Activities	5	1-5	1-5	Higher scores indicate lower problems.
Movement and Balance	5	1-5	1-5	
Pain and Hurt	4	1-4	1-4	
Fatigue	4	1-4	1-4	
Eating Activities	4	1-4	1-4	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed to a 0 to 100 scale.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

## **PedsQL™ 3.0 Cerebral Palsy Module**

**CHILD and PARENT Reports for Young Children (ages 5-7),  
Children (ages 8-12), Teens (ages 13-18)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 Cerebral Palsy Module** for:

- Young Children (ages 5-7),
- Children (ages 8-12),
- And Teens (ages 13-18)

are composed of 35 items comprising 7 dimensions.

**DESCRIPTION OF THE CEREBRAL PALSY MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Daily Activities	9	1-9	1-9	Higher scores indicate lower problems.
School Activities	4	1-4	1-4	
Movement and Balance	5	1-5	1-5	
Pain and Hurt	4	1-4	1-4	
Fatigue	4	1-4	1-4	
Eating Activities	5	1-5	1-5	
Speech and Communication	4	1-4	1-4	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b> Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	If more than 50% of the items in the scale are missing, the Scale Scores should not be computed. If 50% or more items are completed: Impute the mean of the completed items in a scale.

# **PedsQL™ Cognitive Functioning Scale**

The **PedsQL™ Cognitive Functioning Scale** is composed of 6 items comprising 1 dimension.

**DESCRIPTION OF THE COGNITIVE FUNTIONING SCALE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Cognitive Functioning	6	1-6	1-6	Higher scores indicate lower problems

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Total Score</u></b></p> <p>Sum of all the items over the number of items answered</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Score should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>



# PedsQL™ 3.0 Diabetes Module

The **PedsQL™ 3.0 Diabetes Module** is composed of 28 items comprising 5 dimensions.

**DESCRIPTION OF THE DIABETES MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Diabetes	11	1-11	1-11	Higher scores indicate lower problems.
Treatment I	4	1-4	1-4	
Treatment II	7	1-7	1-7	
Worry	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate scores by Dimension</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# PedsQL™ 3.2 Diabetes Module

The **PedsQL™ 3.2 Diabetes Module** is composed of 33 items comprising 5 dimensions for ages 13-45 years. For ages 2-12 years, the **PedsQL™ 3.2 Diabetes Module** is composed of 32 items comprising 5 dimensions (one less item for the Worry Scale).

**DESCRIPTION OF THE DIABETES MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Diabetes	11	1-11	1-11	Higher scores indicate lower problems.
Treatment I	4	1-4	1-4	
Treatment II	7	1-7	1-7	
Worry	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate scores by Dimension</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# **PedsQL™ 3.0 End Stage Renal Disease Module**

---

## **PARENT Report for Toddlers (ages 2-4)**

---

The Parent Report for Toddlers (ages 2-4) of the **PedsQL™ 3.0 End Stage Renal Disease Module** is composed of 13 items comprising 4 dimensions.

**DESCRIPTION OF THE END STAGE RENAL DISEASE MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
General Fatigue	3	1-3	1-3	Higher scores indicate lower problems.
About My Kidney Disease	4	1-4	1-4	
Treatment Problems	3	1-3	1-3	
Worry	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed to a 0 to 100 scale.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# **PedsQL™ 3.0 End Stage Renal Disease Module**

**CHILD and PARENT Reports for Young Children (ages 5-7),  
Children (ages 8-12), Teens (ages 13-18)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 End Stage Renal Disease Module** for:

- Young Children (ages 5-7),
  - Children (ages 8-12),
  - And Teens ages (13-18)
- are composed of 34 items comprising 7 dimensions.

**DESCRIPTION OF THE END STAGE RENAL DISEASE MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
General Fatigue	4	1-4	1-4	Higher scores indicate lower problems.
About My Kidney Disease	5	1-5	1-5	
Treatment Problems	4	1-4	1-4	
Family and Peer Interaction	3	1-3	1-3	
Worry	10	1-10	1-10	
Perceived Physical Appearance	3	1-3	1-3	
Communication	5	1-5	1-5	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Young Children (ages 5-7) child report
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores</u></b></p> <p><u>Score by Dimensions:</u></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>



# PedsQL™ 2.0 Family Impact Module

---

## PARENT Report

---

The Parent report of the **PedsQL™ 2.0 Family impact Module** is composed of 36 items comprising 8 dimensions.

**DESCRIPTION OF THE FAMILY IMPACT MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Physical Functioning	6	1-6	1-6	Higher scores indicate better functioning.
Emotional Functioning	5	1-5	1-5	
Social Functioning	4	1-4	1-4	
Cognitive Functioning	5	1-5	1-5	
Communication	3	1-3	1-3	
Worry	5	1-5	1-5	
Daily Activities	3	1-3	1-3	
Family Relationships	5	1-5	1-5	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed to a 0 to 100 scale.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Step 3: Total Scores</u></b></p> <ul style="list-style-type: none"> <li>• <u>The Total Score</u> is the sum of all 36 items divided by the number of items answered</li> <li>• <u>The Parent HRQL Summary Score</u> (20 items) is computed as the sum of the items divided by the number of items answered in the Physical, Emotional, Social, and Cognitive Functioning scales.</li> <li>• <u>The Family Functioning Summary Score</u> (8 items) is computed as the sum of the items divided by the number of items answered in the Daily Activities and family Relationships scales.</li> </ul>

---

<b>Interpretation and Analysis of Missing Data</b>	If more than 50% of the items in the scale are missing, the Scale Scores should not be computed. If 50% or more items are completed: Impute the mean of the completed items in a scale.
--	--

# **PedsQL™ Gastrointestinal Symptom Scale (GSS)**

---

## **PARENT Proxy Report**

---

The PARENT proxy report **PedsQL™ Gastrointestinal Symptom Scale** is composed of 9 items comprising 1 dimension.

**DESCRIPTION OF THE GASTROINTESTINAL SYMPTOM SCALE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Gastrointestinal Symptoms	9	1-9	1-9	Higher scores indicate lower problems.

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Total Score</u></b></p> <p>Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# **PedsQL™ Healthcare Satisfaction Generic Module**

The **PedsQL™ Healthcare Satisfaction Generic Module** is composed of 24 items comprising 6 dimensions.

**DESCRIPTION OF THE MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Information	5	1-5	No	Higher scores indicate higher satisfaction.
Inclusion of Family	4	1-4		
Communication	5	1-5		
Technical Skills	3	1-3		
Emotional Needs	4	1-4		
Overall Satisfaction	3	1-3		

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale: 0 (Never) to 4 (Always) and Not Applicable
<b>Weighting of items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are scored and linearly transformed to a 0-100 scale as follows: 0=0, 1=25, 2=50, 3=75, 4=100</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If 50% or more items are completed, the Mean score = Sum of the items divided by the number of items answered in the scale,</li> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed.</li> </ul> <p><b><u>Total Score:</u></b> Mean score = Sum of all the items in all scales divided by the number of items answered on all the scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in the scale.</p>

# **PedsQL™ Healthcare Satisfaction Hematology / Oncology Module**



The **PedsQL™ Healthcare Satisfaction Hematology / Oncology Module** is composed of 25 items comprising 6 dimensions.

**DESCRIPTION OF THE MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
General Satisfaction	3	1-3	No	Higher scores indicate higher satisfaction.
Information	5	1-5		
Inclusion of Family	4	1-4		
Communication	5	1-5		
Technical Skills	4	1-4		
Emotional Needs	4	1-4		

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale: 1 (Very dissatisfied) to 5 (Very satisfied)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are scored and linearly transformed to a 0-100 scale as follows: 1=0, 2=25, 3=50, 4=75, 5=100.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If 50% or more items are completed, the Mean score = Sum of the items divided by the number of items answered in the scale,</li> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed.</li> </ul> <p><b><u>Total Score:</u></b> Mean score = Sum of all the items in all scales divided by the number of items answered on all the scales.</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in the scale.</p>

# **PedsQL™ Multidimensional Fatigue Scale**

The **PedsQL™ Multidimensional Fatigue Scale** is composed of 18 items comprising 3 dimensions.

**DESCRIPTION OF THE MULTIDIMENSIONAL FATIGUE MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
General Fatigue	6	1-6	1-6	Higher scores indicate lower problems.
Sleep/Rest Fatigue	6	1-6	1-6	
Cognitive Fatigue	6	1-6	1-6	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score= Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# PedsQL™ 3.0 Neuromuscular Module

**Child and Parent Reports** of the **PedsQL™ 3.0 Neuromuscular Module** for:

- Children (ages 8-12),
- And Teens (ages 13-18),

are composed of 25 items comprising 3 dimensions.

- **Young Child Report** (ages 5-7) only consists of the 17-item About My Neuromuscular Disease Scale, **Parent Report** for ages 2-18 includes all 3 dimensions and all 25 items,

**DESCRIPTION OF THE NEUROMUSCULAR MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
About My Neuromuscular Disease	17	1-17	1-17	Higher scores indicate lower problems.
Communication	3	1-3	1-3	
About Our Family Resources	5	1-5	1-5	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b><u>Total Score:</u></b> Sum of all the items over the number of items answered on all the Scales.</p>
<b>Interpretation and Analysis of missing data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# PedsQL™ Oral Health Scale

The **PedsQL™ Oral Health Scale** is composed of 5 items comprising 1 dimension.

**DESCRIPTION OF THE ORAL HEALTH SCALE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Oral Health	5	1-5	1-5	Higher scores indicate lower problems

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Total Score</u></b></p> <p>Sum of all the items over the number of items answered</p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Score should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

# **PedsQL™ Pediatric Pain Coping Inventory™ (PPCI)**

**PARENT Report for Children and Teens (ages 5-18)  
CHILD Report for Children (ages 5-12), Teens (ages 13-18)**



The Parent Report of the **PedsQL™ Pediatric Pain Coping Inventory™** for Children (ages 5-12) and Teens (ages 13-18) is composed of 41 items comprising 5 dimensions.

The Child Reports of the **PedsQL™ Pediatric Pain Coping Inventory™** for:

- Children (ages 5-12)
  - And teens (ages 13-18)
- are composed of 41 items comprising 5 dimensions.

See Varni, J.W. et al. (1996). Development of the Waldron/Varni Pediatric Pain Coping Inventory. Pain, 67, 141-150, for scoring instructions for the *a priori* and *empirically-derived* scale scores.

**DESCRIPTION OF THE PEDIATRIC PAIN COPING INVENTORY:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Cognitive Self-Instruction	7	12, 22, 23, 24, 31, 32, 40	No	Higher scores indicate greater use of the coping strategy.
Problem-Solving	10	1, 2, 11, 15, 26, 27, 30, 33, 34, 35		
Distraction	9	6, 8, 9, 10, 14, 16, 17, 18, 19		
Seeks Social Support	9	3, 4, 7, 13, 28, 29, 37, 38, 39		
Catastrophizing / Helplessness	6	5, 20, 21, 25, 36, 41		

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	3-point Likert scale from 0 (Never) to 2 (Often)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 2.
<b>Scoring Procedure</b>	<b><u>Calculate Scale Scores</u></b> Sum of all the items over the number of items answered for each Scale.
<b>Interpretation and Analysis of Missing Data</b>	If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.  If 50% or more items are completed: Impute the mean of the completed items in a scale.

# **PedsQL™ Pediatric Pain Questionnaire™ (PPQ)**

The **PedsQL™ Pediatric Pain Questionnaire™** is composed of 3 items.

**DESCRIPTION OF THE QUESTIONNAIRE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Present Pain	1	1	No	Higher score = higher pain intensity.
Worst Pain	1	2		

The third item refers to the localisation of pain and is not scored.

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	10cm (100mm) VAS scales from 0 (Not hurting / No discomfort / No pain) to 10 (100) (Hurting a whole lot / Very uncomfortable / Severe pain)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	0-10cm or 0-100mm
<b>Scoring Procedure</b>	Present pain and worst pain are scored separately. The score is based on line length to the nearest 0.5 cm (5mm).
<b>Interpretation and Analysis of Missing Data</b>	There is no imputation process since these are single item VAS scales.

# **PedsQL™ Present Functioning Visual Analogue Scale (PedsQL™ VAS)**

**CHILD and PARENT reports for CHILD (ages 5-18)**

The **PedsQL™ Present Functioning Visual Analogue Scale** is composed of 6 items.

**DESCRIPTION OF THE SCALE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Present Functioning	6	1-6	No	Higher score = higher distress or intensity.

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	100mm VAS scales from 0 to 100
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	0-100
<b>Scoring Procedure</b>	<ul style="list-style-type: none"> <li>- PedsQL VAS Total Symptom Score = average of all six items</li> <li>- PedsQL VAS Emotional Distress Summary Score = mean of the anxiety, sadness, anger, and worry items</li> </ul>
<b>Interpretation and Analysis of Missing Data</b>	There is no imputation process since these are single item VAS scales.

# PedsQL™ 3.0 Rheumatology Module

---

## PARENT Report for Toddlers (ages 2-4)

---

The **Parent Report for Toddlers** (age 2-4) of the **PedsQL™ 3.0 Rheumatology Module** is composed of 14 items comprising 3 dimensions.

**DESCRIPTION OF THE RHEUMATOLOGY MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	4	1-4	1-4	Higher scores indicate lower problems.
Daily Activities	5	1-5	1-5	
Treatment	5	1-5	1-5	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed to a 0 to 100 scale.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

## **PedsQL™ 3.0 Rheumatology Module**

**CHILD and PARENT reports for Young Children (ages 5-7)**



The **Child and Parent Reports** of the **PedsQL™ 3.0 Rheumatology Module** for Young Children (ages 5-7) are composed of 20 items comprising 5 dimensions.

**DESCRIPTION OF THE RHEUMATOLOGY MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	4	1-4	1-4	Higher scores indicate lower problems.
Daily Activities	5	1-5	1-5	
Treatment	5	1-5	1-5	
Worry	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the child report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b> Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	If more than 50% of the items in the scale are missing, the Scale Scores should not be computed. If 50% or more items are completed: Impute the mean of the completed items in a scale.

## **PedsQL™ 3.0 Rheumatology Module**

**CHILD and PARENT reports for Children (ages 8-12) and Teens  
(ages 13-18)**

The **Child and Parent Reports** of the **PedsQL™ 3.0 Rheumatology Module** for:

- Children (ages 8-12),
- And Teens (ages 13-18)

are composed of 22 items comprising 5 dimensions.

**DESCRIPTION OF THE RHEUMATOLOGY MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
Pain and Hurt	4	1-4	1-4	Higher scores indicate lower problems.
Daily Activities	5	1-5	1-5	
Treatment	7	1-5	1-5	
Worry	3	1-3	1-3	
Communication	3	1-3	1-3	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point Likert scale from 0 (Never) to 4 (Almost always)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b> Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate Scores by Dimensions</u></b></p> <ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>There is no Total Score</b></p>
<b>Interpretation and Analysis of Missing Data</b>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed.</p> <p>If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>

---

# PedsQL™ 3.0 Transplant Module

The **PedsQL™ 3.0 Transplant Module** is composed of 46 items comprising 8 dimensions.

**DESCRIPTION OF THE TRANSPLANT MODULE:**

Dimensions	Number of Items	Cluster of Items	Reversed Scoring	Direction of Dimensions
About My Medicines I	9	1-9	1-9	Higher scores indicate lower problems.
About My Medicines II	8	1-8	1-8	
My Transplant and Others	8	1-8	1-8	
Pain and Hurt	3	1-3	1-3	
Worry	7	1-7	1-7	
Treatment Anxiety	4	1-4	1-4	
How I Look	3	1-3	1-3	
Communication	4	1-4	1-4	

**SCORING OF DIMENSIONS:**

<b>Item Scaling</b>	5-point scale from 0 (Never) to 4 (Almost always) 3-point scale: 0 (Not at all), 2 (Sometimes) and 4 (A lot) for the Child Report for Young Children (ages 5-7)
<b>Weighting of Items</b>	No
<b>Extension of the Scoring Scale</b>	Scores are transformed on a scale from 0 to 100.
<b>Scoring Procedure</b>	<p><b><u>Step 1: Transform Score</u></b></p> <p>Items are reversed scored and linearly transformed to a 0-100 scale as follows: 0=100, 1=75, 2=50, 3=25, 4=0.</p> <p><b><u>Step 2: Calculate scores by Dimension</u></b></p>

	<ul style="list-style-type: none"> <li>• If more than 50% of the items in the scale are missing, the scale scores should not be computed,</li> <li>• Mean score = Sum of the items over the number of items answered.</li> </ul> <p><b>Total Score:</b> Sum of all the items over the number of items answered on all the Scales.</p>
<p><b>Interpretation and Analysis of Missing Data</b></p>	<p>If more than 50% of the items in the scale are missing, the Scale Scores should not be computed. If 50% or more items are completed: Impute the mean of the completed items in a scale.</p>