



CLINICIAN / RESEARCHER Instructions

The Pediatric Eye Questionnaire (PedEyeQ) has been developed to assess the impact of childhood eye conditions on the child's eye-related quality of life and functional vision for children ages 0 to 17 years. It may be used in regular clinical practice or as a research tool. The PedEyeQ is intended to be completed both by the child and the child's parent / guardian in a clinical setting, or mailed for completion at home.

Please use the PedEyeQ along with the Child Instructions and Parent Instructions. Children and their parents should review these instructions prior to completing the questionnaire(s).

The PedEyeQ is available without charge and may be used in its unaltered entirety, or as individual questionnaires, without restriction. If used for research, the questionnaire must be identified in all pertinent publications by name and by citing the following descriptive publication:

- Hatt SR, Leske DA, Castañeda YS, Wernimont SM, Liebermann L, Cheng-Patel CS, Birch EE, Holmes JM. Development of pediatric eye questionnaires for children with eye diseases. *Am J Ophthalmol*. 2019in press (<https://doi.org/10.1016/j.ajo.2019.01.001>)

The PedEyeQ has 3 components:

- 1- Child questionnaire: completed by children age 5 to 17
- 2- Proxy questionnaire: completed by the parent regarding the child
- 3- Parent questionnaire: completed by the parent regarding themselves

Child Questionnaire

The PedEyeQ Child Questionnaire is completed by children ages 5 to 17 years. The child answers questions about their own quality of life and functional vision. There are 2 formats available depending on the age of the child, each with its individual testable domains. Any or all domains may be tested.

Ages 5-11 years:

- Child 5-11 years Functional Vision: 10 items
- Child 5-11 years Bothered by Eyes / Vision: 10 items
- Child 5-11 years Social: 10 items
- Child 5-11 years Frustration / Worry: 10 items

Ages 12-17 years:

- Child 12-17 years Functional Vision: 10 items
- Child 12-17 years Bothered by Eyes / Vision: 10 items
- Child 12-17 years Social: 10 items
- Child 12-17 years Frustration / Worry: 9 items

Proxy Questionnaire

The PedEyeQ Proxy Questionnaire is completed by the parent / guardian of children ages 0 to 17 years. The parent answers questions about the child's quality of life and functional vision. There are 3 formats available depending on the age of the child, each with its individual domains. Any or all domains may be tested.

Ages 0-4 years:

- Proxy 0-4 years Functional Vision: 10 items
- Proxy 0-4 years Bothered by Eyes / Vision: 10 items
- Proxy 0-4 years Social: 9 items

Ages 5-11 years:

- Proxy 5-11 years Functional Vision: 10 items
- Proxy 5-11 years Bothered by Eyes / Vision: 10 items
- Proxy 5-11 years Social (5-11 years): 8 items
- Proxy 5-11 years Frustration / Worry: 5 items
- Proxy 5-11 years Eyecare: 6 items

Ages 12-17 years:

- Proxy 12-17 years Functional Vision: 10 items
- Proxy 12-17 years Bothered by Eyes / Vision: 10 items
- Proxy 12-17 years Social: 8 items
- Proxy 12-17 years Frustration / Worry: 8 items
- Proxy 12-17 years Eyecare: 6 items

Parent Questionnaire

The PedEyeQ Parent Questionnaire is completed by the parent / guardian of the child for children of any age (0 to 17 years). The parent answers questions about their own experience. There is a single format regardless of the age of the child, with 4 individual domains. Any or all domains may be tested.

- Parent Impact on Parent and Family: 10 items
- Parent Worry About Child's Eye Condition: 10 items
- Parent Worry About Self-perception and Interactions: 7 items
- Parent Worry About Functional Vision: 8 items

Delivering the PedEyeQ

The PedEyeQ is typically completed both by the child (depending on age and ability) and the parent (as proxy and for themselves). Age-specific questionnaires should be completed by the child and the parent (as proxy). Some children, particularly ages 5-11, may need to have the questions and response options read to them.

Each of the child, proxy, and parent domains are independent of each other. Therefore, as few or as many of the domains may be administered independently, along with the included instructions.

Completing the PedEyeQ

Each of the PedEyeQ questionnaire items are answered with the following response options: Never, Sometimes, or All the time. Children and Parents should be instructed to think about the last month and **circle** ONE answer that best matches how they feel.

Example:

Are there certain things you can't do because of your eyes?	Never 2	Sometimes 1	All the time 0
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It's important to answer every question. Children and parents should circle the answer they think is best. There are no right or wrong answers, but child responses should be independent from those of the parent (without assistance from the parent).

Scoring the PedEyeQ

The PedEyeQ has been Rasch calibrated, and each domain has its own score. **An overall PedEyeQ score should not be reported.**

Each domain is scored independently. Domain scores are determined by the average Rasch-calibrated value of all completed items for the domain (not an average of raw scores). Rasch scoring look-up tables are available for download free of charge at www.pedig.net.

Scores obtained using the PedEyeQ look-up tables are reported both as a logit value and as a simple converted score from 0 to 100, where 0 is the worst possible measured quality of life or functional vision and 100 is the best.