

Data Collection Worksheet

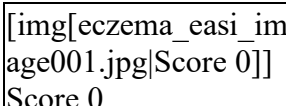
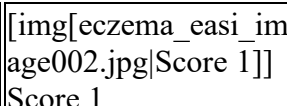
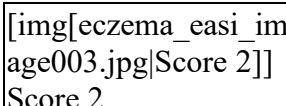
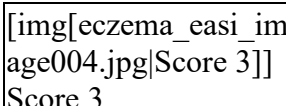
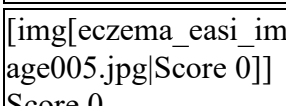
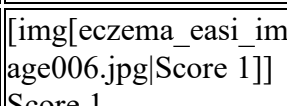
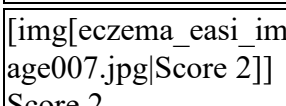
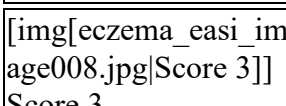
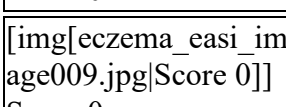
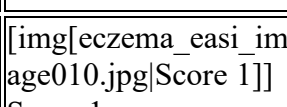
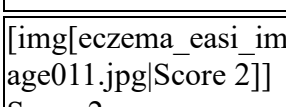
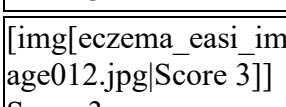
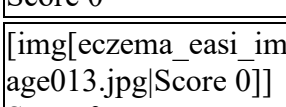
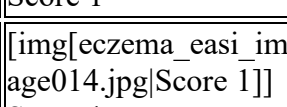
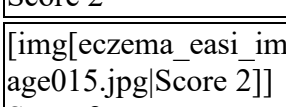
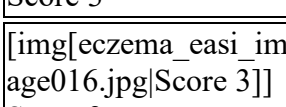
Please Note: The Data Collection Worksheet (DCW) is a tool to aid integration of a PhenX protocol into a study. The PhenX DCW is not designed to be a data collection instrument. Investigators will need to decide the best way to collect data for the PhenX protocol in their study. Variables captured in the DCW, along with variable names and unique PhenX variable identifiers, are included in the PhenX Data Dictionary (DD) files.

The Eczema Area and Severity Index®

Intensity

A representative area of eczema is selected for each body region. The intensity of redness (erythema), thickness (induration, papulation, oedema), scratching (excoriation) and lichenification (lined skin) of the eczema is assessed as none (0), mild (1), moderate (2), and severe (3). Half scores are allowed.

Eczema: severity scoring

Intensity	Absent	Mild	Moderate	Severe
Redness	 Score 0	 Score 1	 Score 2	 Score 3
Thickness	 Score 0	 Score 1	 Score 2	 Score 3
Scratching	 Score 0	 Score 1	 Score 2	 Score 3
Lichenification	 Score 0	 Score 1	 Score 2	 Score 3

Calculation for intensity

The four intensity scores are added up for each of the four body regions to give subtotals A1, A2, A3, A4.

Each subtotal is multiplied by the body surface area represented by that region.

- $A1 \times 0.1$ gives B1 (in children 0-7 years, $A1 \times 0.2$ gives B1)
- $A2 \times 0.2$ gives B2
- $A3 \times 0.3$ gives B3
- $A4 \times 0.5$ gives B4 (in children 0-7 years, $A1 \times 0.3$ gives B1)

Area

The percentage area affected by eczema is evaluated in the four regions of the body. In each region, the area is expressed as nil (0), 1%-9% (1), 10%-29% (2), 30%-49% (3), 50%-69% (4), 70%-89% (5), or 90%-100% (6).

- Head and neck
- Upper limbs
- Trunk
- Lower limbs

Calculations for area

Each of the body area scores is multiplied by the area affected.

- $B1 \times (0 \text{ to } 6) = C1$
- $B2 \times (0 \text{ to } 6) = C2$
- $B3 \times (0 \text{ to } 6) = C3$
- $B4 \times (0 \text{ to } 6) = C4$

Total score

The EASI[®] score is $C1 + C2 + C3 + C4$.

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Protocol source: <https://www.phenxtoolkit.org/protocols/view/170301>