

Survey Analysis

This document is a summary of a quantitative/qualitative survey involving 26 participants. Participants consisted of both parents of neurodivergent children as well as special education teachers. The survey involved a total of seven questions, with three screening questions that are not disclosed.

Video feature identification

When watching short-form content, which specific video feature have you noticed causing the most immediate onset of sensory agitation in your child? (Please select one)

Video Feature	Survey Response Count (N)	Percentage (%)
Sudden Audio Spikes <i>(Unexpected volume shifts or loud audio transitions)</i>	10	38.5%
Visual Overstimulation <i>(Fast video cuts or flickering filters)</i>	7	26.9%

Layered Audio Tracks <i>(Multiple sound sources playing at once)</i>	5	19.2%
Unpredictable Movement <i>(Sudden zoomed visuals, shaking camera effects, fast motion)</i>	4	15.4%
Total Responses	26	100.0%

Response to overload

When a short-form video becomes sensory-overwhelming, what is your child's primary physical response that you have noticed? (Please select one)

Response / Behavioral Reaction	Survey Response Count (N)	Percentage (%)
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Escape <i>(They immediately swipe past the video, mute the volume, or close the app)</i>	15	60.0%
Freezing <i>(They stare blankly or freeze up, seeming unable to swipe away despite visible distress)</i>	8	31.0%
I don't know	2	8.0%
Stemming <i>(Stimming)</i>	1	4.0%
Total Responses	26	100.0 %

Long-term response to sensory overload

After watching videos for 15 minutes or longer, how does your child tolerate everyday activities (e.g., household noise, family conversation, dinner textures)?
(Please select one)

Sensory Tolerance Level	Survey Response Count (N)	Percentage (%)
Moderate decrease in tolerance <i>(Noticeably more irritable or sensitive to sights/sounds for a brief period)</i>	16	61.5%
No change <i>(Sensory tolerance remains completely unchanged after screen time)</i>	6	23.1%
Significant/Severe decrease in tolerance <i>(Option label missing in prompt)</i>	4	15.4%
Total Responses	26	100.0 %

Feature Recommendations(Qualitative)

What specific features or changes would you like app creators to build in order to make them easier or safer for your child to use? (Ex: Visual filters, Sensory Warnings, etc.)

- I would like apps to have better content filters, warnings for flashing lights and loud sounds, and stronger parental controls. Clear warnings before inappropriate or Overwhelming content would also make apps safer and easier for my child to use.
- App's automatic volume control feature
- Simple videos that are possible to avoid layering too fast or too much visual stimulation and narration., Sensory Warnings
- Comments on the initial screen
- decrease the watching time
- visual filters
- Caution regarding sudden noise
- Sensory Warnings
- Sensory warning
- Warning before starting
- I wish there had been a signal that could inform me of the time or the image in advance.
- Visual filters
- I think the short form video is really toxic to most autistic and non-autistic individuals. I would like there to be more restrictions on the quantity within a given time period. I would like more screening for videos that are dangerous, and hidden as Children's topics.
- Volume equalizer, sensory warnings
- Parental restrictions on content
- Add a filter to remove unsuitable pictures or videos.
- Sensory warnings
- volume control ... and filtered videos .
- Brain rot warning labels on videos
- Audio adjustments would be nice or being able to filter out videos that jump around or flicker
- Sensory warnings, longer video play