

Dyslexia screening for early identification

Oregon Senate Education Committee 2/16/17

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What can we agree on about dyslexia?

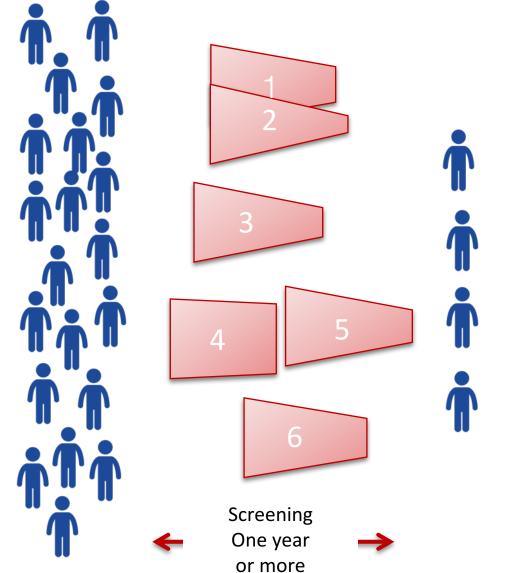
- Dyslexia is a specific learning disability that is neurobiological in origin. (IDA... and many states)
- Early identification, assessment, and proper interventions/instruction can help avoid negative outcomes.
- Early screening for those at risk for dyslexia is a good starting point.
- Dyslexia has nothing to do with the eyes



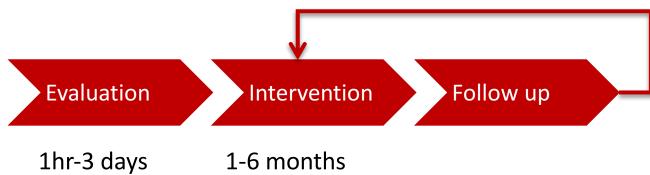
What makes a good screening method?

- It is fast and easy
 - Convenient and practical
 - Takes a minimum of time from the school, no manual processing
 - Clear result that's easy to understand
- It's objective
 - Everyone is measured the same way
 - Results can be aggregated and compared
 - It's independent of the reading curriculum
- It's accurate
 - It identifies the right children
 - It's evidence-based





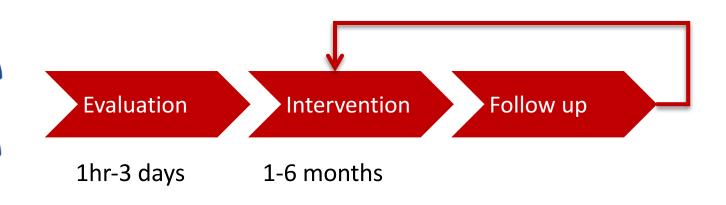
Screening today





mins

Screening with Optolexia





The cognitive process is reflected in the eyes

Low risk of dyslexia

High risk of dyslexia

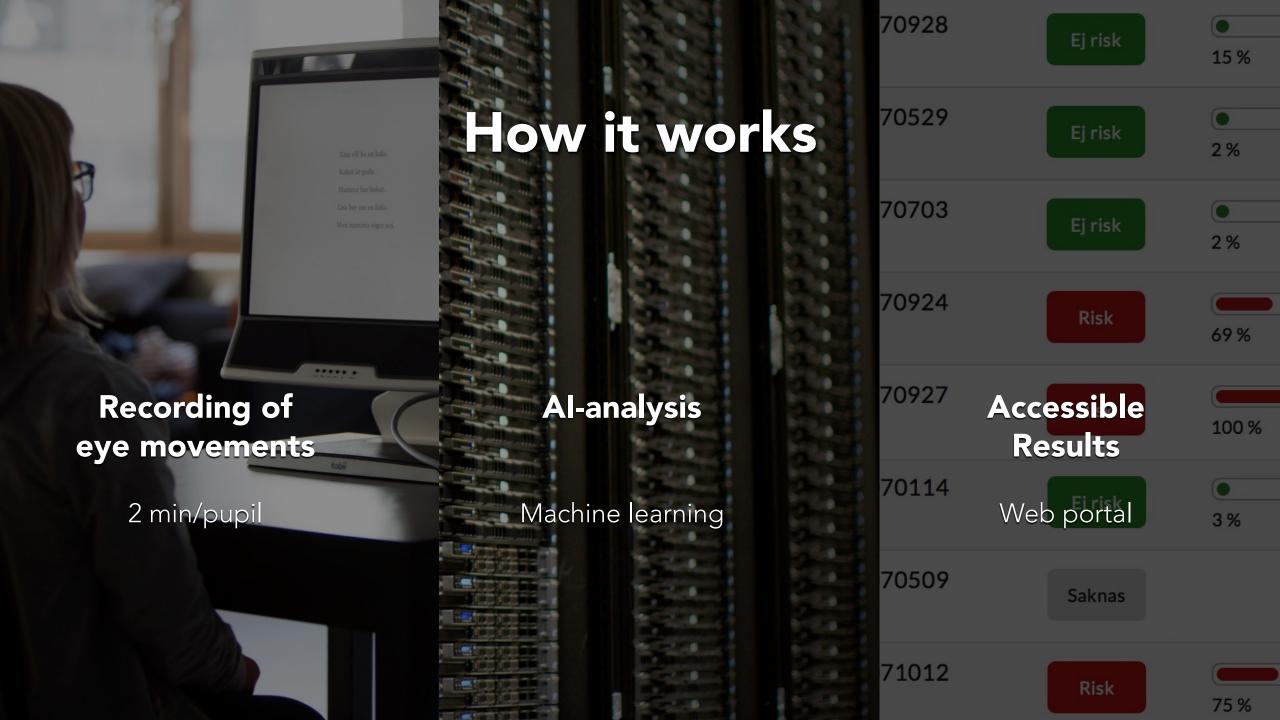
Bävern är en mycket skicklig simmare. I vattnet når den hastigheter av mer än elva kilometer i timmen.
För att skydda sig mot kylan har bäverns hud tusentals ema harstrån och ett tjockt lager med fett.
Med hjälp av sina stora lunger kan den stanna under vatten vat en tan mer än tjugo minuter utan problem.

Bävern är en mycket skicklig simmare. I vattnet når den nastigheter av mer än elva kliometer i timmen.

Får att skydda sig mot kylan har bäverns hud tusentals små harstran och ett tjockt lager med fett.

Med hjälp av sina stora lungor kan den stanna under vatten tan mer antjugo minuter utan problem.







Current activities

- Pilot tests underway in the US
- Pilot tests planned for the UK
- Other countries and languages in planning
- House Education Committee yesterday
- Senate Education Committee TODAY
- Region 1 district-level staff on Friday seeking further pilot activities

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Science & Technology

- 25 years of research
- +3 000 children screened in studies during 2015-2016
 - 2000 children screened commercially
 - Artificial intelligence
 - Eye-tracking





In the 2015/2016 QS World University Rankings, KI is number 9 in the world and number 3 in Europe in the faculty area of Life Sciences and Medicine.



Optolexia compared with other screeners

- Measures reading itself rather than other indicators.
- Test is conducted privately and individually.
- Fine motor skills don't interfere with the result.
- Test is conducted at the child's own pace.
- School staff don't need to carry out, score or document results.
- Results don't depend on who carries out the screening.
- Provides an overview of many individual results, making resource planning easier.

Our history

