Population → Risk Amplifier?

Photoscreening Validation → Not screened

Prescreening Prevalence

Screen Conditions-external (luminance, noise, tent)

Age race gender

Patient status (attention, eye color, cycloplegia, treatment?)

Image with Device → No cooperation

re-take

Coordinator

Inconclusive (Screen i)

Lost to Follow-up

Image Quality → No Read (pupil size, blur, fixation)

Follow-up?

Fixation Instability?

Instrument Referral Criteria 1

PASS (screen -)

Time

Amblyopia?

REFER (screen+)

Exam → Confirmatory

Routine

TRUE (exam +)

Other screen(s)

Risk Factor Criteria 2

FALSE (exam -)

	exam+	exam-
Sc +	A	B
Sc -	C	D
Sc i	E	F

Sensitivity = A/(A+C)
Specificity = D/(B+D)
PPV = A/(A+B)
NPV = D/(C+D)
ABCD sens = A/(A+C+E+F)
ABCD spec = D/(B+D+E+F)
irSens = (A+E)/(A+C+E)
irSpec = (D/(B+D+F)

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