

Supplemental Table 1. Sensitivity and specificity of individual screening tests administered by ophthalmic technicians for each eye disease and for any eye disease in a population of American Indian/Alaskan Natives: Screening tests for visually significant eye disease.

	Screening Test							
	History of Eye Disease or Diabetes		Abnormal Blood Glucose		Visual acuity <20/40		Narrow anterior chamber depth	
	Sensitivity	Specificity	Sensitivity	Specificity	Sensitivity	Specificity	Sensitivity	Specificity
Corneal Disease (n=7)	0.57	0.71	0.43	0.80	0.86	0.85	0.43	0.85
Visually Significant Cataract (n=11)	0.55	0.73	0.27	0.81	1.00*	0.89	0.18	0.85
Glaucoma (n=36)	0.43	0.73	0.26	0.80	0.34	0.86	0.03	0.83
Diabetic Retinopathy (n=23)	0.86	0.80	0.64	0.85	0.27	0.84	0.14	0.84
Age-related Macular Degeneration (n=53)	0.23	0.69	0.19	0.80	0.33	0.88	0.15	0.84
Other Retinal Disease (n=22)	0.59	0.75	0.14	0.80	0.50	0.86	0.18	0.87
Any Eye Disease (n=113)	0.42	0.82	0.25	0.85	0.33	0.97	0.15	0.85

Abnormal or poor quality confocal scanning laser ophthalmoscopy	Abnormal frequency doubling technology perimetry	Abnormal/poor quality non-mydratiac Photo	Intraocular pressure > 21 mm Hg
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	Sensitivity	Specificity	Sensitivity	Specificity	Sensitivity	Specificity	Sensitivity	Specificity
Corneal Disease (n=7)	0.60	0.51	1.00	0.45	0.71	0.73	0.17	0.96
Visually Significant Cataract (n=11)	0.80	0.53	0.91	0.46	0.73	0.75	0.00	0.96
Glaucoma (n=36)	0.76	0.56	0.83	0.48	0.47	0.76	0.03	0.96
Diabetic Retinopathy (n=23)	0.73	0.54	0.68	0.45	0.65	0.76	0.00	0.95
Age-related Macular Degeneration (n=53)	0.67	0.56	0.74	0.49	0.44	0.77	0.04	0.96
Other Retinal Disease (n=22)	0.52	0.54	0.77	0.46	0.59	0.78	0.10	0.97
Any Eye Disease (n=113)	0.59	0.65	0.74	0.60	0.48	0.90	0.04	0.96

*Decreased visual acuity of <20/40 was required in the definition of visually significant cataract