Study	Study Design	Study Population	Instrument Characteristics	Results	Quality Scoring/Comments
Elliott 2000 #4650	Geographical location: Canada	Population size (n): N=18 (first eye surgery) N=25 second eye surgery	Instrument/Technique Name: ADVS-20	Question 1C: psychometric properties (validity, reliability, responsiveness) Internal consistency: The ADVS evidenced ceiling effects.	Quality assessment: Meaningfully defined study population: - Protection from bias: 0
	Dates: Unknown	N=25 control	Method of administration: Self-	Responsiveness: As might be expected, patients	Consideration of statistical power: -
	Context: □ Clinical trial	Eye dx: Not reported	report	with first eye surgery improved more than those with second eye surgery.	This article is relevant to:
	<ul> <li>Cohort</li> <li>Cross sectional</li> </ul>	<b>AMD</b> : 0	By whom: □ Masked	Notes: This study, of patients scheduled for cataract	<ul><li>Question 1A</li><li>Question 1B</li></ul>
	X Longitudinal	Other central vision loss (by type): Cataract: 100%	Unmasked X Unknown	surgery and age-matched controls, is too small and uses too few forms of validation to provide much	X Question 1C
	Inclusion/Exclusion criteria: Cataract patients were recruited from four local ophthalmologists	AMD Type: Not reported	Mode of administration:	support for the validity of these 2 instruments. This study also included another instrument, the SRS, which had similar results but will be excluded	Question 3
	who performed extraction in the Waterloo Canada area. Subjects	Laterality:	X Phone interview Face to face interview	because it has not been applied to patients with AMD.	
	had to be scheduled for cataract surgery within one month and had	X Bilateral	<ul> <li>Mail questionnaire</li> <li>In office questionnaire</li> </ul>		
	no signs of comorbid ocular disease or significant neuromuschular skeletal or radioascular disorder that could	Objective Measure(s) of function (e.g., visual acuity): Operated eye High contrast VA (logMAR):	□ Observation X Other (physical exam)		
	interfere with mobility.	$\begin{array}{l} 0.54 \pm 0.36 \\ \text{Log CS: } 0.92 \pm 0.50 \\ \text{Disability glare: } 5.2 \pm 3.8 \end{array}$	Respondent: X Only pa <ul> <li>Patient or surrogate</li> <li>Only surrogate</li> <li>Unknown</li> </ul>	tient	
			Time points of administration: Pre-op and post-op		

Study	Study Design	Study Population	Instrument Characteristics	Results					Quality Scoring/Comments
1999	e Geographical location: Boston, MA	Population size (n): 201	Instrument/Technique Name: ADVS; SF-36	Question 1A: Instrument scores in AMD patients: Construct Validity					Quality assessment: Meaningfully defined study
#1730		Eye dx: Not reported	Method of	ADVS	Mild (128)	Moderate (62)	Severe (11)	P value	population: + Protection from bias: +
	Dates: 7/92-9/93	<b>AMD:</b> 100%	administration:	Day	86	79	65	< 0.05	Consideration of statistical
	Context:	AMD Type: 17% wet	By whom: □ Masked	Driving Night driving	60	53	33		This article is relevant to
	Cohort Cross sectional	83% dry	X Unmasked	Near vision	82	80	64	< 0.05	XQuestion 1A
	□ Other	Laterality: <ul> <li>Unilateral</li> </ul> X Bilateral	Mode of administration:	Far vision	84	81	72		<ul> <li>X Question 1C</li> <li>□ Question 2 X Question 3</li> </ul>
	criteria:	A Dilateral	Phone interview	Glare	77	77	58	< 0.05	
	Age > 45 AMD (drusen, RPE changes, geogr	Objective Measure(s) of function (e.g., visual acuity): Mild ARM: 64%	X Face to face interview □ Mail guestionnaire	Overall	80	77	62	< 0.05	
	atrophy, exudative dz)	Moderate ARM: 31% Severe ARM: 5%	<ul> <li>In office questionnaire</li> <li>Observation</li> </ul>	SF-36	Mild (128)	Moderate (62)	Severe (11)	P value	
	Vision > 20/200 in at least one eye	Better eye: 20/25	□ Other	Physical functionin	79 g	80	79		
		Worse eye: 20/40	Respondent: X Only patient	Role- physical	67	76	77		
			<ul> <li>Patient or surrogate</li> <li>Only surrogate</li> </ul>	Bodily pai General	n 73 68	75 68	82 63		_
			Time points of	Health					
			administration: NA	Vitality Social	61 92	59 92	66 99		-
				functionin	g				
				Role- emotional	82	87	88		
				Mental Health	75	74	73		
				Physical Compont.	-0.35	-0.23	-0.19		]
				Mental Compont.	-0.22	0.18	0.32		

Study	Study Design	Study Population	Instrument Characteristics	Results	Quality Scoring/Comments
Mangione 1998 #2180	Geographical location: Ann Arbor, MI; Birmingham, MI; Boston, MA; Los Angeles, CA; Madison WI; San Francisco, CA Dates: 1998 Context: Clinical trial Cohort X Cross sectional Longitudinal Inclusion/Exclusion criteria: Diverse convenience sample for focus group	Population size (n): 246Age Mean (range over conditions)68 (40 - 77)% female55Eye dx: Not reportedAMD: 35 (14%)Other central vision loss (by type): AMD : 35 (14%)Glaucoma : 82 (33%) DR : 58 (24%)Cataract : 42 (17%) CMV retinitis : 17 (7%) Low vision: 12 (5%)AMD Type: Not reportedLaterality: Not reported	Instrument/Technique Name: ADVS Method of administration: By whom: X Masked Unmasked Unmasked Unknown Mode of administration: X Phone interview Face to face interview Mail questionnaire lin office questionnaire Observation X Other (physical exam)	Question 1C: psychometric properties (validity, reliability, responsiveness) Validity: Extensive interviews Reliability not assessed Responsiveness not tested	General comments: Apparently a convenience sample Quality assessment: Meaningfully defined study population: - Protection from bias: + Consideration of statistical power: - This article is relevant to: Question 1A Question 1B X Question 1B X Question 2 Question 2 Question 3
		Objective Measure(s ) of function (e.g., visual acuity): 20/40 or better: 139 (76%) 20/50 or worse: 43 (23%)	Respondent: X Only patient Patient or surrogate Only surrogate Unknown Time points of administration: NA		

(cross sectional)

Study	Study Design	Study Population	Instrument Characteristics	Results	Quality Scoring/Comments
Pesudovs 2003 #8520	<ul> <li>Geographical location: United Kingdom</li> <li>Dates: Unknown</li> <li>Context:         <ul> <li>Clinical trial</li> <li>Cohort</li> <li>X Cross sectional</li> <li>Longitudinal</li> </ul> </li> <li>Inclusion/Exclusion criteria: Patients awaiting cataract surgery. No patients had comorbid eye disease.</li> </ul>	Population size (n): 43 18 bilateral cataract 25 one pseudophakic eye and were awaiting second eye surgery Eye dx: Not reported AMD: Not reported AMD Type: Not reported Laterality: Not reported Objective Measure(s ) of function (e.g., visual acuity):	Instrument/Technique Name: ADVS Method of administration: By whom: Masked Unmasked X Unknown Mode of administration: Phone interview Face to face interview Mail questionnaire (assumed) Observation Other Respondent: X Only patient Patient or surrogate Only surrogate Only surrogate Unknown Time points of administration: NA (cross sectional)	Question 1C: psychometric properties (validity, reliability, responsiveness) Internal consistency: Cronbach's alpha = .92. Construct validity: Correlation with visual acuity and contrast sensitivity ranged from .41 to .50. Scaling consistency: Rasch analysis, including an assessment of missing data, ceiling effects and Rasch statistics suggested that 15 of the 22 ADVS items performed better than the others. It was also recommended that the number of response categories be reduced. Responsiveness:	Quality assessment: Meaningfully defined study population: Protection from bias: 0 Consideration of statistical power: + (low power) This article is relevant to: Question 1A Question 1B X Question 1C Question 2 Question 3

Study	Study Design	Study Population	Instrument Characteristics	Results Question 1A: Instrument scores in AMD patients:					Quality Scoring/Comments
Scilley 2002	<b>Geographical</b> Iocation: Birmingham, AL	<b>Population size (n):</b> 92 Gp 1: Early AMD Fellow < 20/60	Instrument/Technique Name: ADVS						s: Quality assessment: Meaningfully defined study
#4020				ADVS					population: +
		Gp 2: Early AMD Fellow ≥20/60							Protection from bias: +
	Dates:		Method of					Р	Consideration of statistical
		Gp 3: Normal controls	administration:		Early	Early	Con-	value	power: -
	Context:				AMD	AMD	trols		
	Clinical trial	Age: Gp 1: 71 (66-75)	By whom:		Fellow	Fellow			This article is relevant to:
	□ Cohort	Gp 2: 75 (69-83)	□ Masked		<	≥			X Question 1A
	X Cross sectional	Gp 3: 68 (57-74)	X Unmasked		20/60	20/60			□ Question 1B
	Other	Fire day Matana anta d	Unknown	Day	83.3	100	100	<.001	□ Question 1C
	la aluai an /Euraluai an	Eye dx: Not reported	Mada of	driving					□ Question 2
	Inclusion/Exclusion criteria:	AMD: 100%	Mode of administration:	Night	58.3	81.3	100	<.001	X Question 3
	Patients:	AWD: 100%	□ Phone interview	driving					
	Age > 55	AMD Type:	X Face to face	Near	73.4	96.6	100	<.001	
	ARM in at least one		<ul> <li>A lace to lace</li> <li>interview</li> <li>Mail questionnaire</li> <li>In office questionnaire</li> <li>Observation</li> <li>Other</li> </ul>	vision Far vision		91.7	100	.011	
	eve (drusen)								
	Acuity $\geq 20/60$								
	No CNV or	Laterality:		Giare	64.6	91.7	100	<.001	
	geographic atrophy	□ Unilateral		Overall	74.0	93.1	96.7	<.001	
	0 0 1 1 1	X Bilateral		Question 3: Relationship between QOL measures (s					es (s) and
	Controls:		Respondent:	objective measures					
	Age > 55	Objective Measure(s) of function	X Only patient	Acuity < 20/25 in both eyes associated with difficulty on all					y on all
	No drusen	(e.g., visual acuity):	<ul> <li>Patient or surrogate</li> <li>Only surrogate</li> </ul>	ADVS sub	scales (se	e table ab	ove).		
	VISION 2 20/35	$\sqrt{1000} \ge 20/35$ logMAR vision:							
		Gp1: 0.22 (0.10/0.40) Gp2: 0.08 (-0.01/0.20)	Time naints of	Poor scotopic sensitivity associated with difficulty on night				n night	
		Gp3: -0.04 (-0.10/0.04)	Time points of administration: NA	driving sub	oscale (OF	: 6.6) but r	not other	subscales.	
		900.04 (-0. 10/0.04)	(cross sectional)						
		Scotopic sensitivity:	(00000000000000000000000000000000000000						
		Gp 1: 40.6 (32.4/44.3)							
		Gp 2: 43.5 (41.0/46.2)							
		Gp 3: 44.2 (41.5/46.0)							

Study West 1997 #8200	Study Design	Study Population			Instrument Characteristics	Results	Quality Scoring/Comments	
	Geographical location:	• • • • • •			Instrument/Technique Name: ADVS	Question 1C: psychometric properties (validity, reliability, responsiveness)	Meaningfully defined study population: +	
	Maryland	65-69 36.8				Construct validity: ADVS scores decreased with increasing		
		yrs.				age and were correlated (in a multivariate model) with visual	Protection from bias: +	
	Dates: 1993	7	70-74	31.3	administration:	acuity.	Consideration of statistical power: +	
	Context:	7	75-79	21	By whom:	Notes: This large study, conducted in a general population		
	Clinical trial	8	30-84	10.9	X Masked	sample, provides some evidence in favor of the construct	This article is relevant to	
	Cohort X Cross sectional		80-84 10.9 □ Unmasked validity of the instrument.	validity of the instrument.	□ Question 1A □ Question 1B			
		9	% female	57.9			X Question 1C	
	g				Mode of			
	Inclusion/Exclusion	9	% AA	26.4	administration:		Question 3	
	criteria:			<u> </u>	Phone interview			
	Random sample of 2500 aged 65-84 Eve dx: Not reported				X Face to face interview			
		years of age from Medicare database. AMD:			Mail guestionnaire			
	Medicare database.				<ul> <li>In office questionnaire</li> <li>Observation</li> </ul>			
	Individuals were							
	eligible if they were	AMD T	ype: Not i	reported	X Other (physical			
	65-84 yrs old as of	Laterality: Not reported			exam)			
	7/1993 residing in the eligible zip codes		IIIY: NOLTE	eponeu	Respondent:			
	of Salisbury	Objective Measure(s) of function (e.g., visual acuity): f Binocular vision worse than 20/40 6.9%			X Only patient			
	metropolitan area				Patient or surrogate			
	and alive at time of				Only surrogate			
	contact; must be				Unknown			
	non-institutionalized,				<b>_</b>			
	be able to communicate with				Time points of administration: NA			
	interviewer and				(cross sectional)			
	travel to clinic for							
	vision tests and pass	i						
	a mental health test.							