

Preschool Vision Screening in Primary Care: A Journey of Improvement

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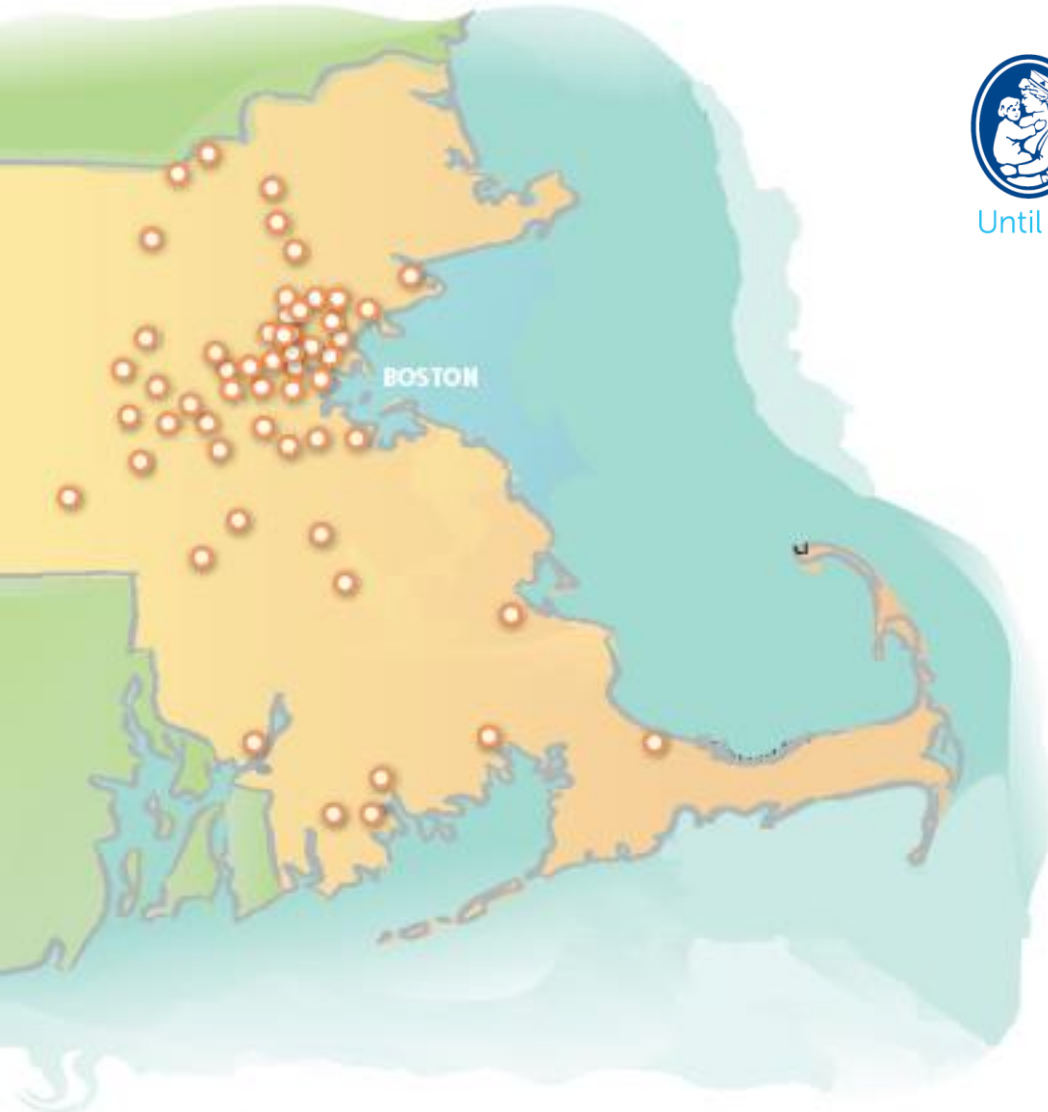
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Boston Children's Hospital



We're the Pediatric Physicians' Organization at Children's (PPOC)

- More than 300 providers strong, we're devoted exclusively to pediatric primary care, in close collaboration with subspecialists at Boston Children's Hospital
- Our members practice in 90 locations in eastern Massachusetts
- Collectively, we care for more than 400,000 children – more than 1,000,000 office visits annually





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Until every child is well[™]

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Amblyopia

2-3 per 100 U.S. children

HSR

Health Services Research

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RESEARCH BRIEFS

Ambulatory Subspecialty Visits in a Large Pediatric Primary Care Network

*Louis Vernacchio, Jennifer M. Muto, Gregory Young, and
Wanessa Risko*

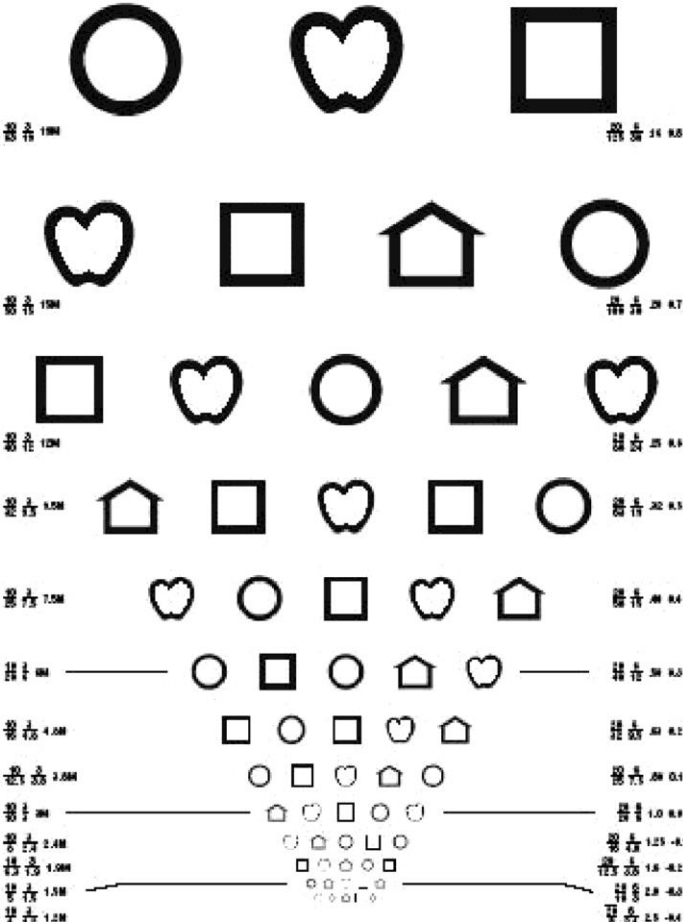
Table 1: Number and Rate of Ambulatory Visits According to Subspecialty

<i>Subspecialty</i>	<i>Number of Visits</i>	<i>Visit Rate per 1,000 Subject-Years</i>
All subspecialties	24,291	1,011
Ophthalmology/Optometry	5,486	228
Orthopedic Surgery	4,009	167
Dermatology	3,412	142
Otorhinolaryngology	1,847	77
Allergy/Immunology	1,569	65

42% had a completely
normal vision assessment

SYMBOLS™
Developed by Lea-Hyattburn, M.D.
FOR TESTING AT 18 FEET (3 METERS)

ACTUAL SIZE: 10 FOOT 0 METER LETTER SIZE
 EQUIPMENT: DECA-Log Log MAL MAR



100/100 20/20 15/15 12/12 10/10 8/8 6/6 5/5 4/4 3/3 2/2

100/150 100/100 100/75 100/60 100/45 100/36 100/30 100/24 100/18 100/15 100/12

100/120 100/90 100/75 100/60 100/45 100/36 100/30 100/24 100/18 100/15 100/12

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100/18 100/15 100/12

100/15 100/12

100/12

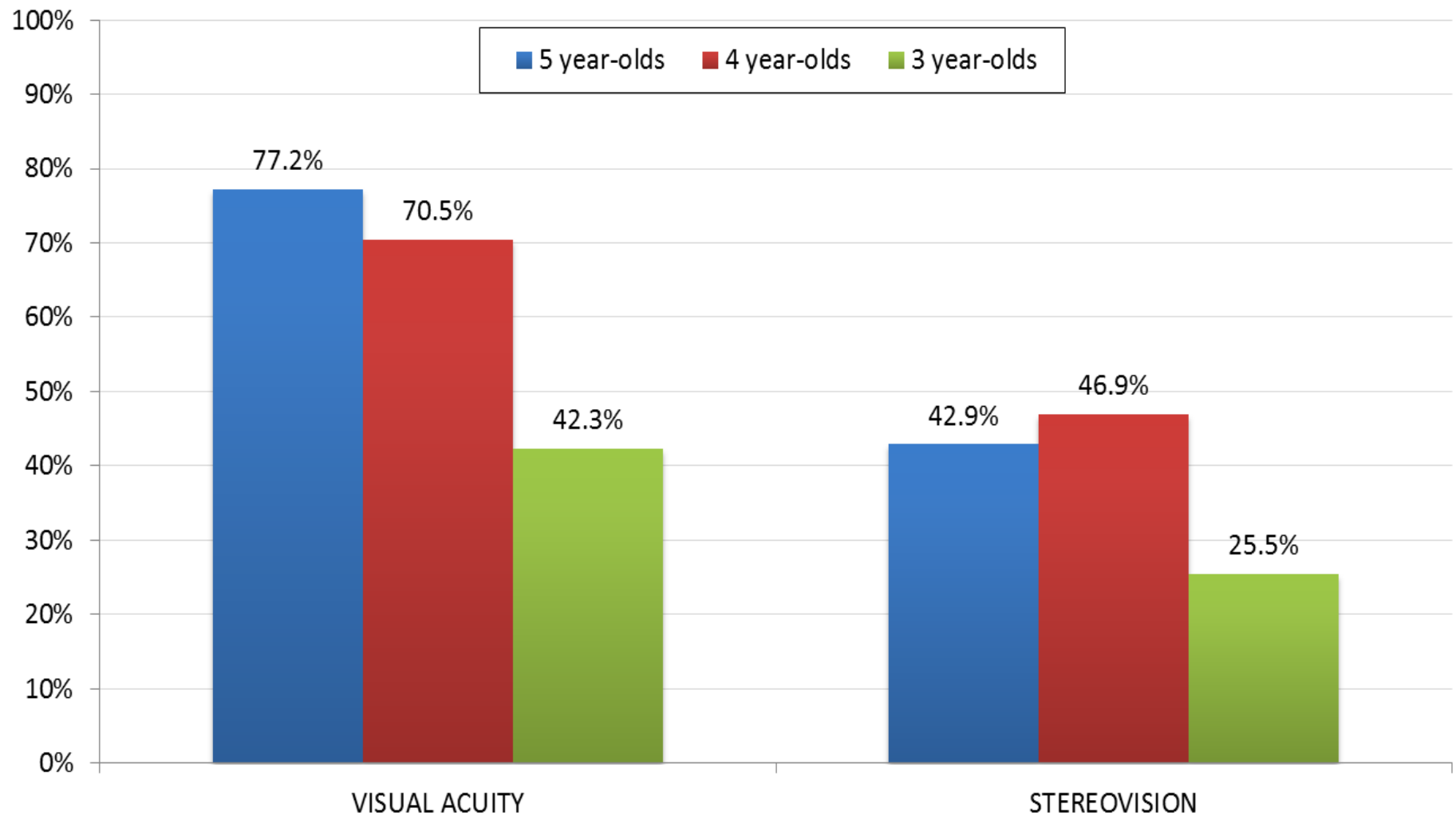
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#2504200





Successfully Completed Vision Screening at Routine Checkup Visits





Sports

Idea

phone



teamwork



real life



Small

refresh



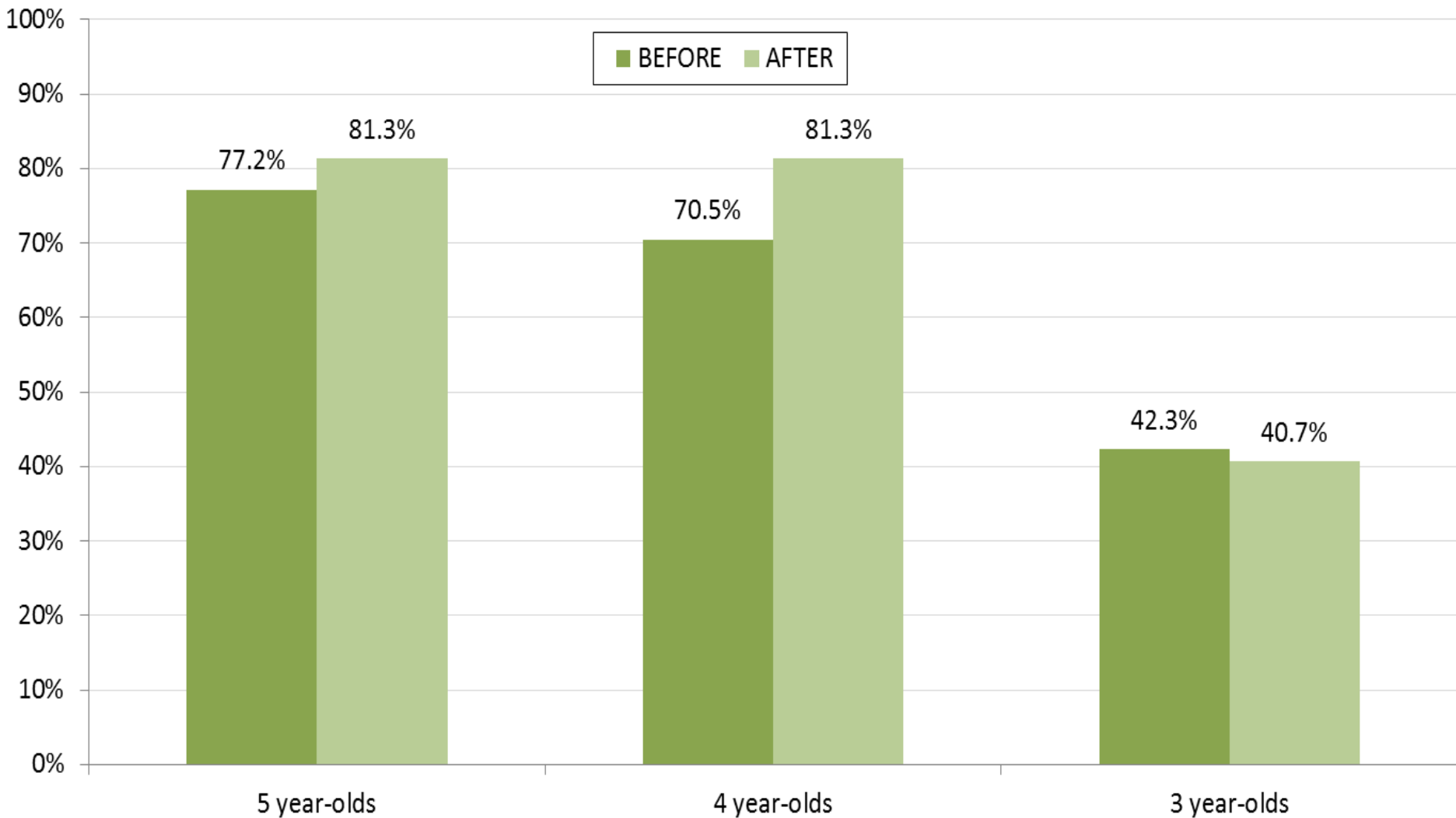


Children's Vision Screening Basics



Katherine Majzoub, RN, MBA
Director, Northeast Region
Prevent Blindness

Visual Acuity Testing Before and After Training





PEDIATRICS[®]

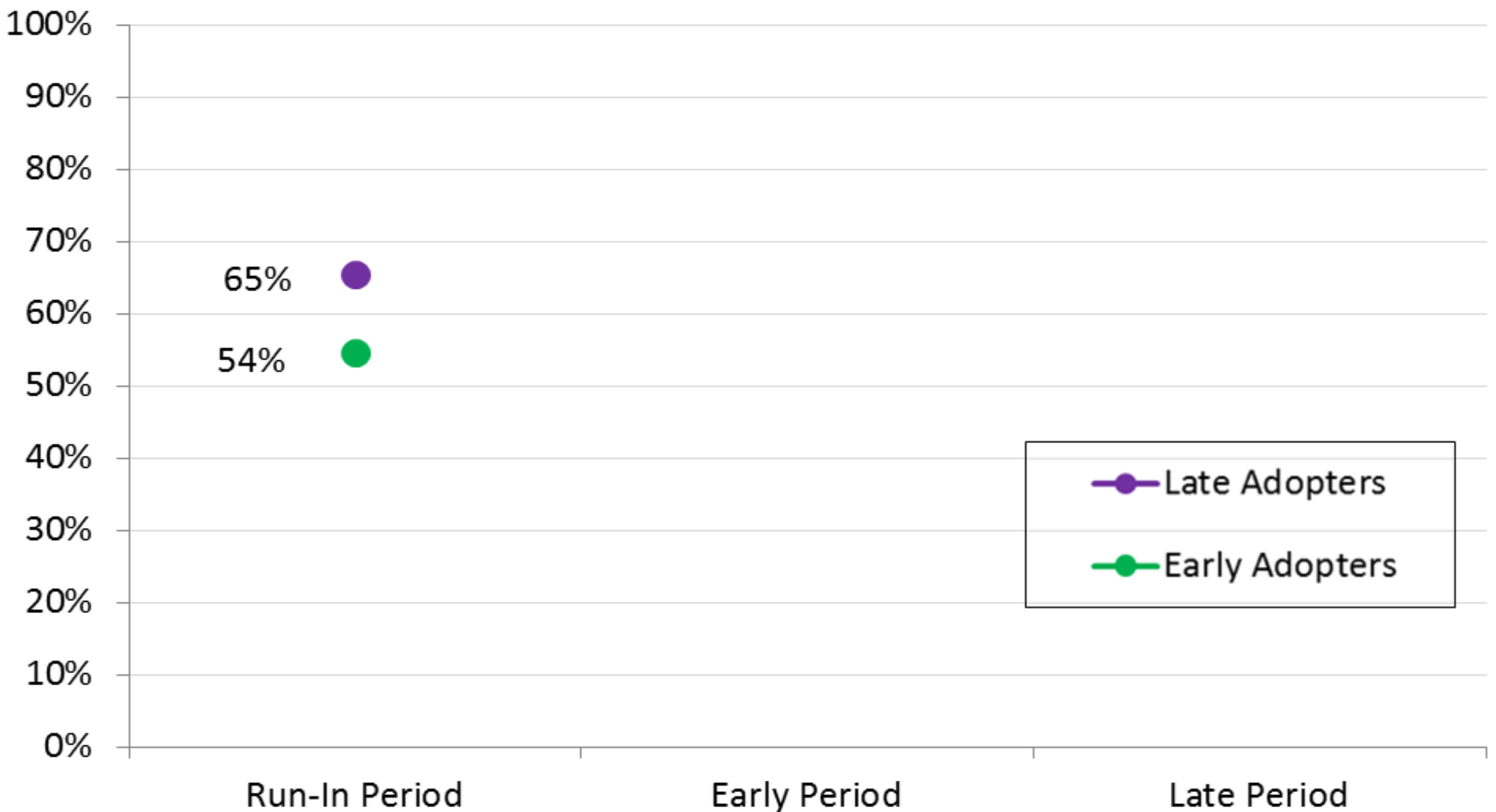
OFFICIAL JOURNAL OF THE AMERICAN ACADEMY OF PEDIATRICS

Instrument-Based Pediatric Vision Screening Policy Statement

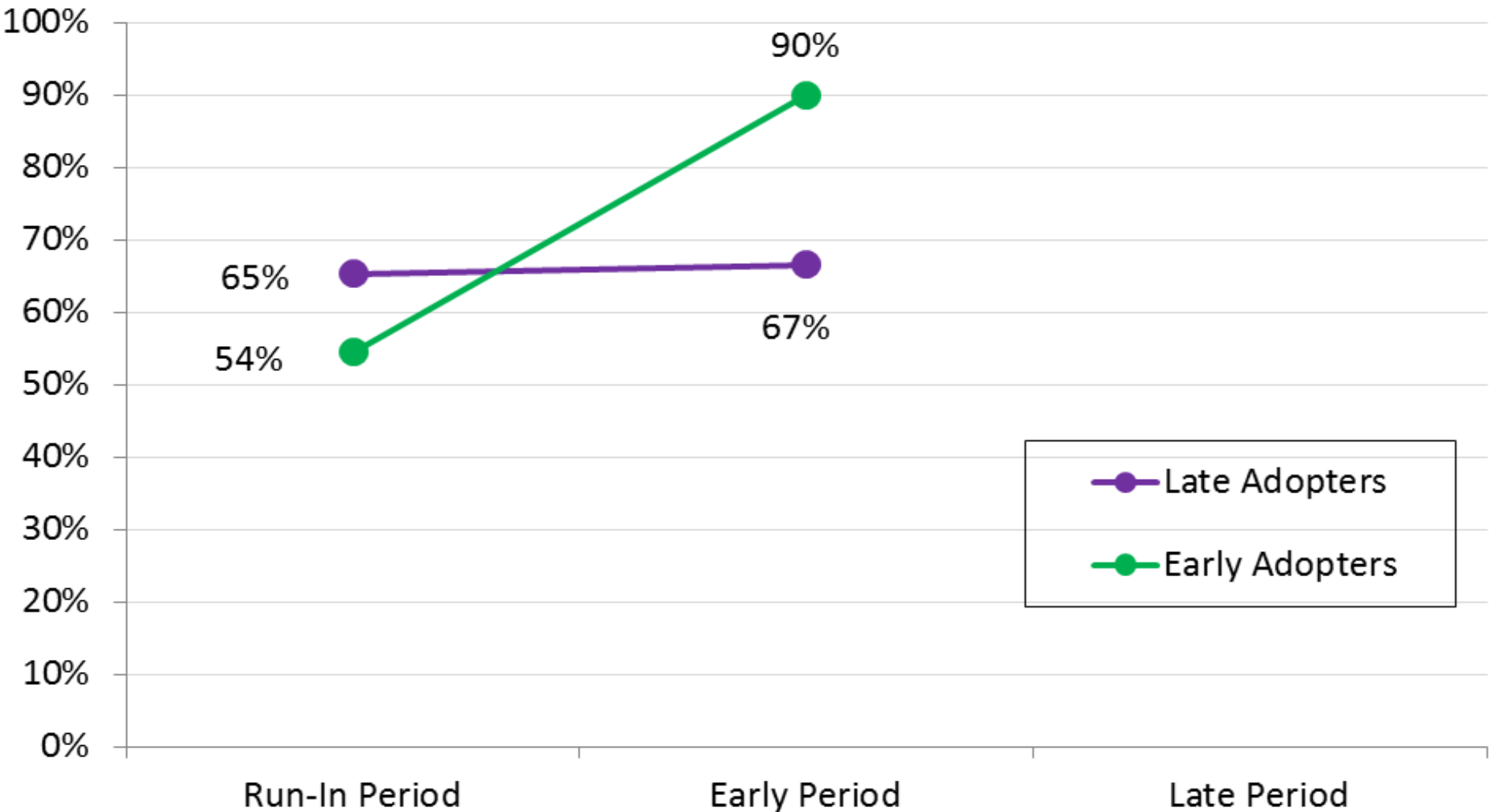
AMERICAN ACADEMY OF PEDIATRICS Section on Ophthalmology and,
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CERTIFIED ORTHOPTISTS

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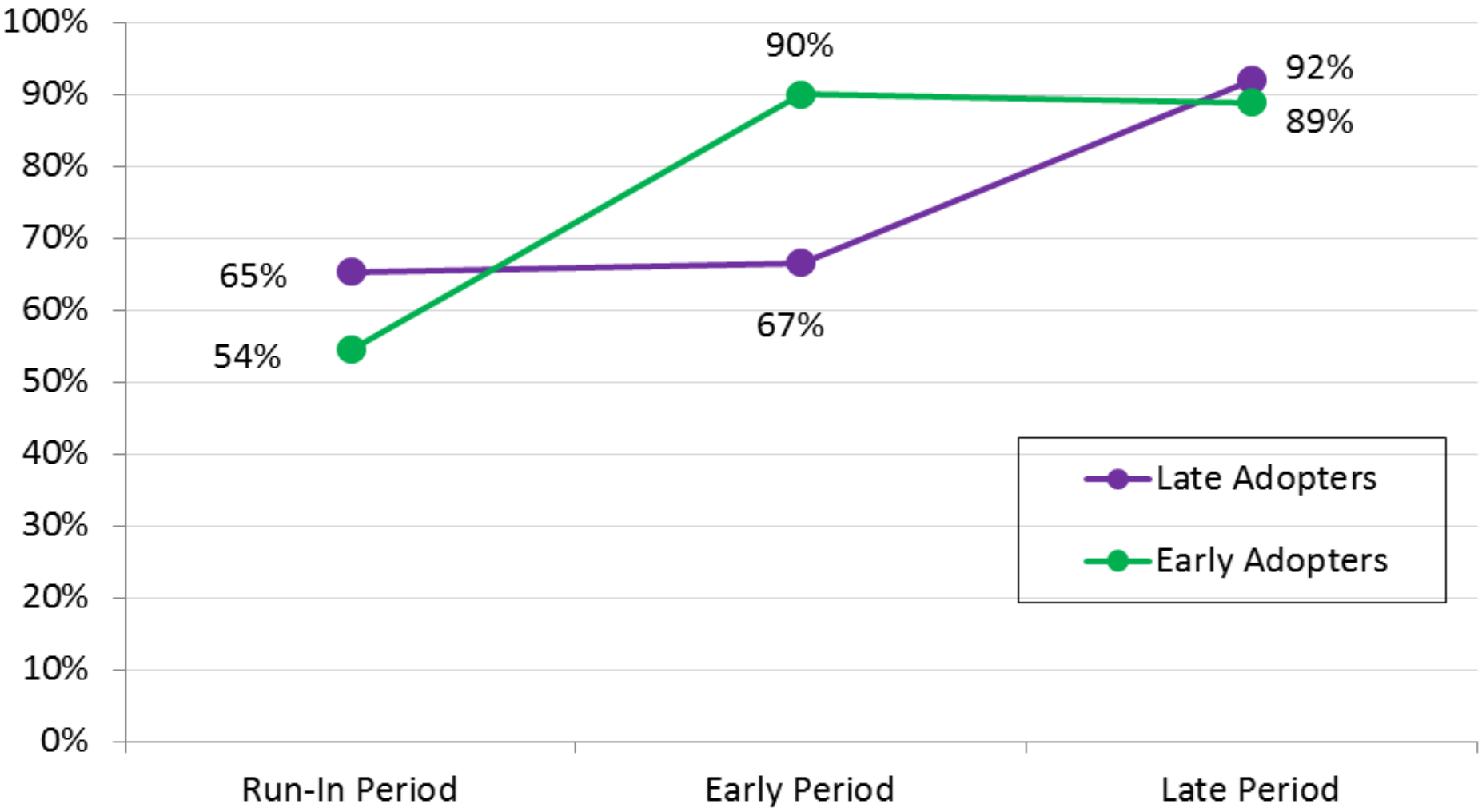
Testability, Chart vs. Auto-Refractor



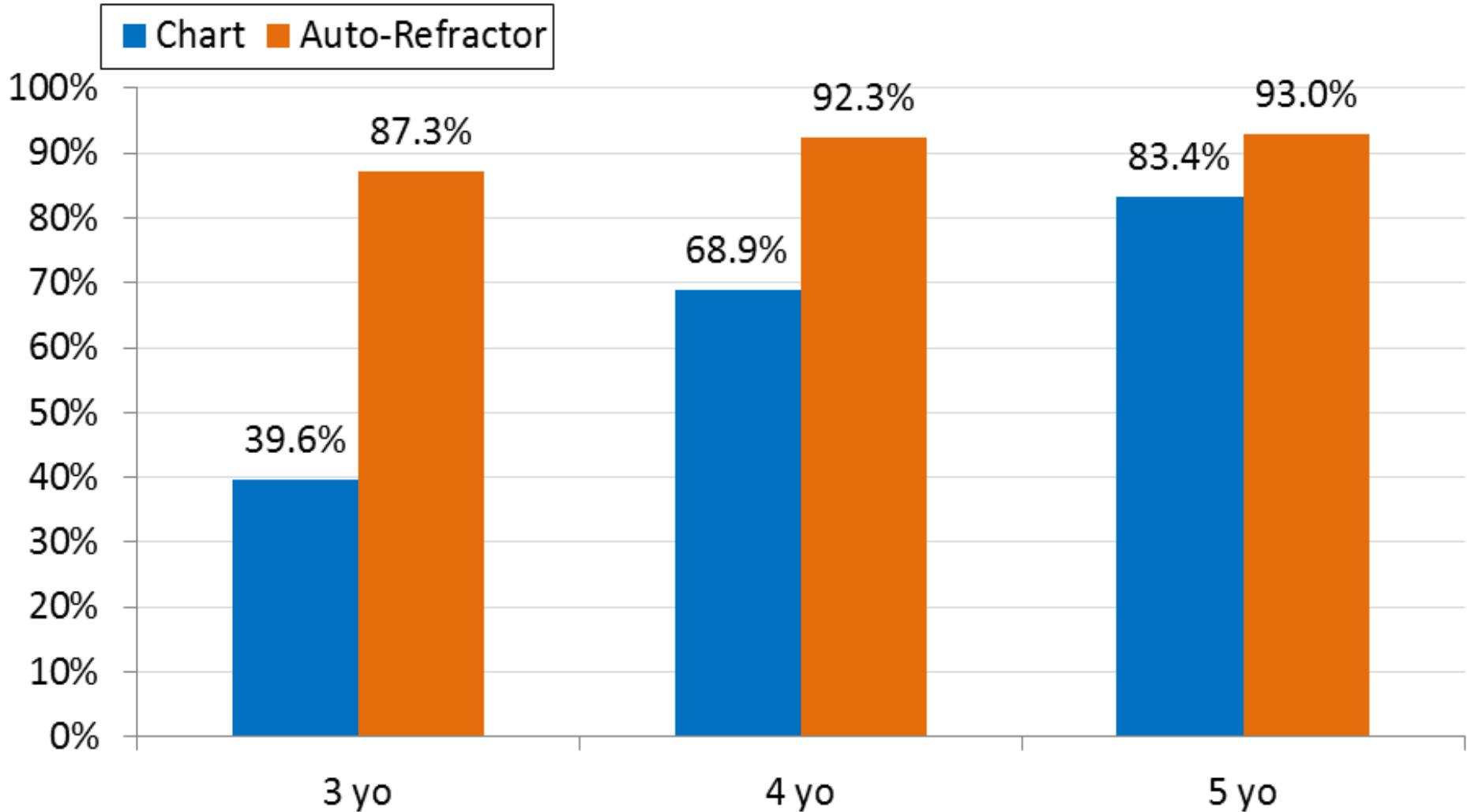
Testability, Chart vs. Auto-Refractor



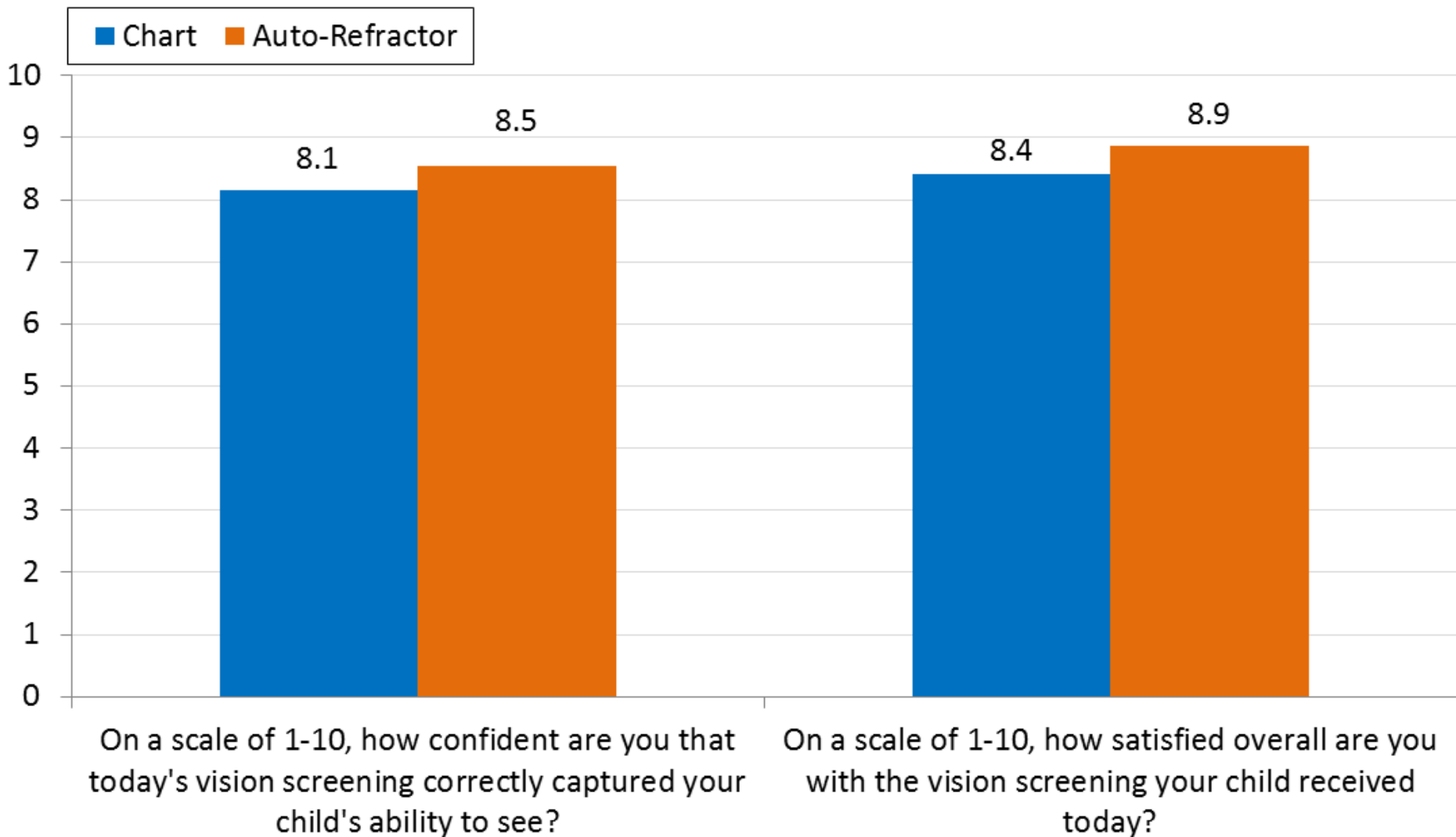
Testability, Chart vs. Auto-Refractor



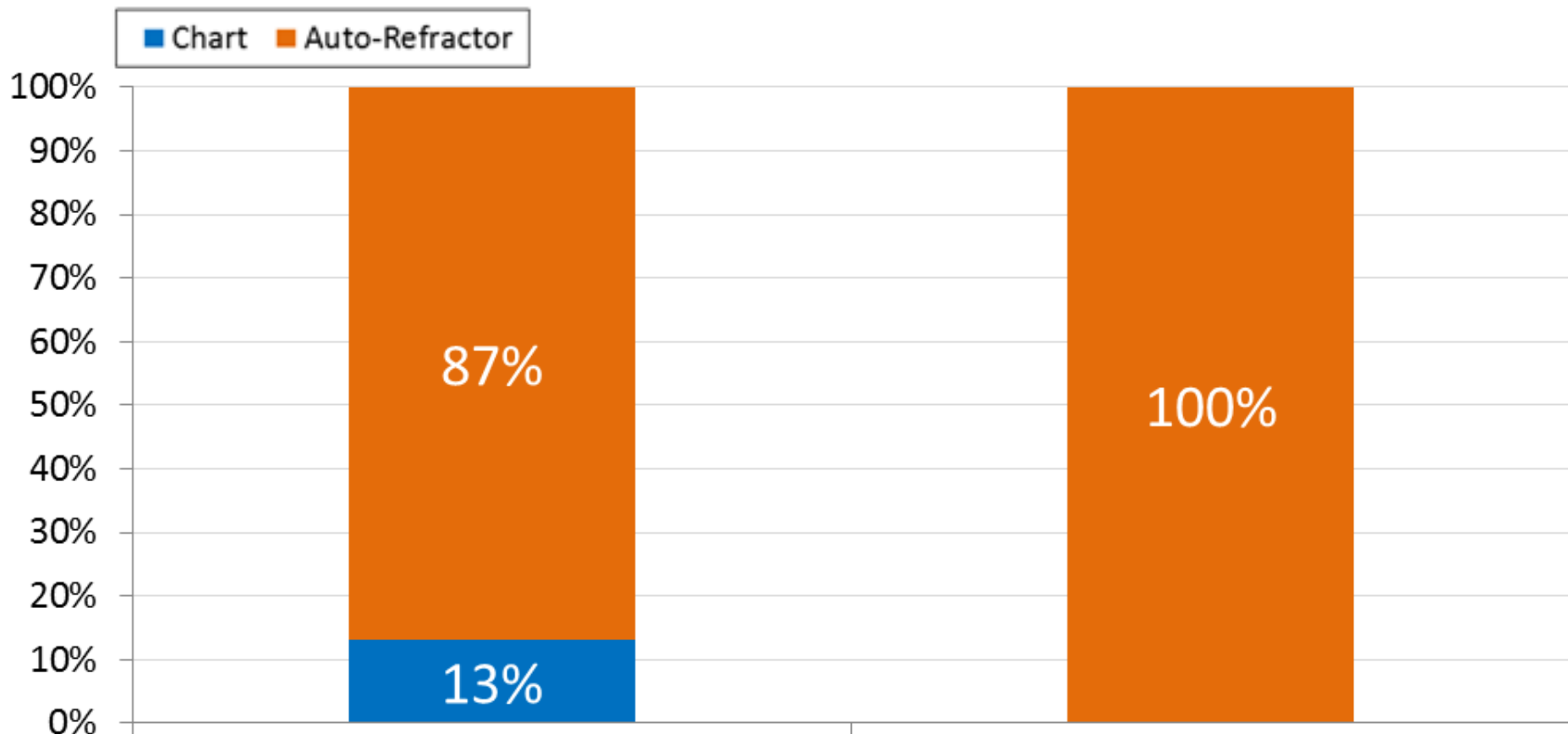
Testability by Age, Chart vs. Auto-Refractor



Family Experience, Chart vs. Auto-Refractor



Practice Experience, Chart vs. Auto-Refractor



Which method of screening do you believe more accurately determines a child's true vision status?

Which method of screening is more feasible to implement and maintain quality of in your practice?



STEP 3

↓ amblyopia?

STEP 2

Assess effects
on referrals
& medical
expense

STEP 1

Disseminate









Questions?

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