

Utah High Quality School Readiness Program: Year 1 Preschool Quality Report (2014/15)



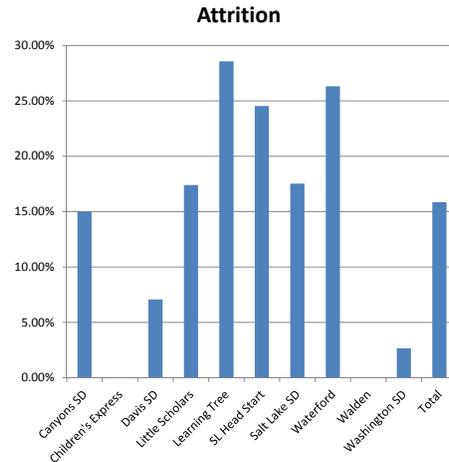
School Readiness Board
September 9, 2015

Preschool Quality 2014/15 Purpose

- Improve the quality of preschool programs receiving funding under HB96
 - Focus on children at-risk for school failure, defined as eligibility for free/reduced lunch
- Examine student outcomes using the Peabody Picture Vocabulary Test (PPVT)
 - PPVT is a norm-referenced measure of receptive language skills with strong predictive validity with school success
 - Mean = 100; standard deviation = 15
- Assumption: Improvement in PPVT outcomes are an indicator of preschool quality
 - Examine outcomes by levels of risk

Preschool Quality 2014/15 Participating Programs, Numbers of Children Pre to Post, Attrition

	# Pretest	# Posttest
Canyons SD	80	68
Children's Express	14	14
Davis SD	184	171
Little Scholars	23	19
Learning Tree	28	20
SL Head Start	436	329
Salt Lake SD	348	287
Waterford	76	56
Walden	11	11
Washington SD	263	256
Total	1463	1231



Preschool Quality 2014/15

	All Children		3-Year Olds		4-Year Olds	
	N	%	N	%	N	%
Canyons SD	68	5.5%	0	0%	68	6.7%
Children's Express	14	1.1%	8	3.9%	6	0.6%
Davis SD	171	13.9%	8	3.9%	163	15.9%
Little Scholars	19	1.5%	11	5.4%	8	0.8%
Learning Tree	20	1.6%	7	3.4%	13	1.3%
SL Head Start	329	26.7%	119	58.6%	210	20.6%
Salt Lake SD	287	23.3%	13	6.4%	274	26.7%
Waterford	56	4.5%	30	14.8%	26	2.5%
Walden	11	0.9%	6	3.0%	5	0.5%
Washington SD	256	20.8%	1	0.5%	255	25.0%
Total	1231	100.0%	203	100.0%	1028	100.0%

Mean number of months between pre and post assessment: 4.7 months

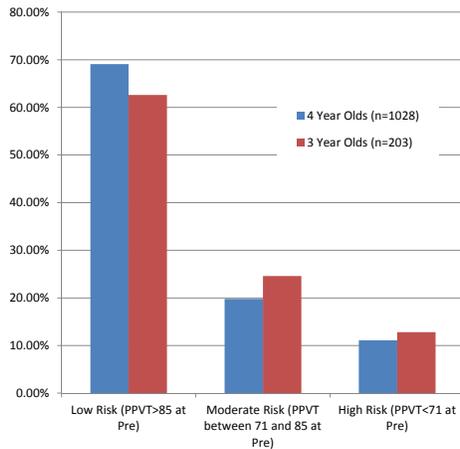
Preschool Quality 2014/15

3-Year and 4-Year Old Children with PPVT Standard Scores at or Below 70 at Pretest (High Risk)

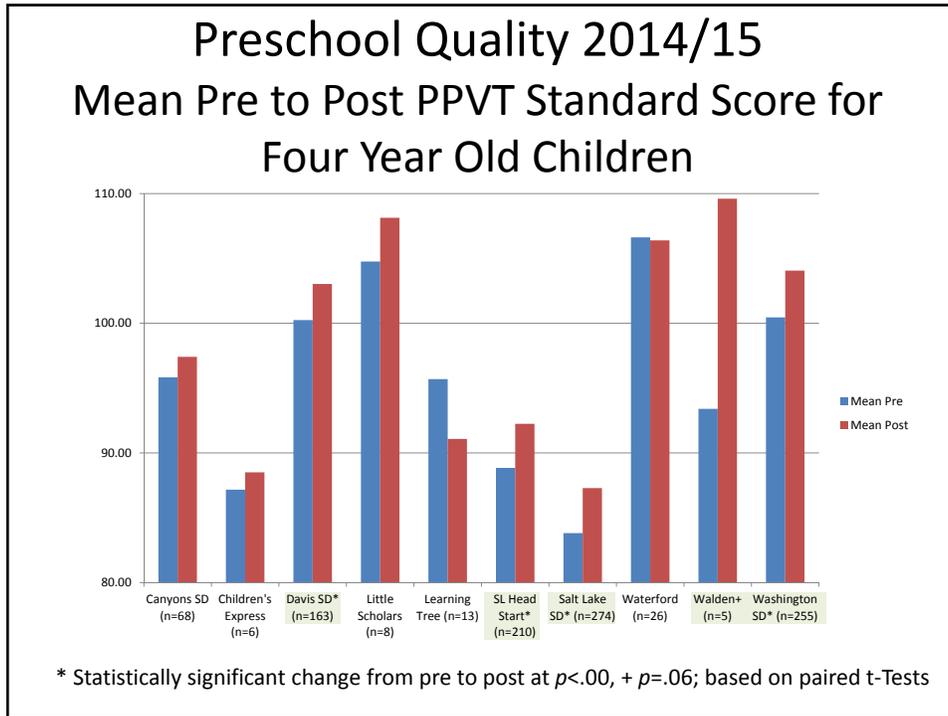
	Three Year Olds			Four Year Olds		
	All 3-Yr Old Children	# PPVT<71 Pre	% PPVT<71 Pre	All 4-Yr Old Children	# PPVT<71 Pre	% PPVT<71 Pre
Canyons SD	0	0	0%	68	8	11.8%
Children's Express	8	0	0%	6	0	0%
Davis SD	8	0	0%	163	5	3.1%
Little Scholars	11	0	0%	8	0	0%
Learning Tree	7	0	0%	13	1	7.7%
SL Head Start	119	26	21.8%	210	28	13.3%
Salt Lake SD	13	0	0%	274	60	22.7%
Waterford	30	0	0%	26	0	0%
Walden	6	0	0%	5	0	0%
Washington SD	1	0	0%	255	12	4.7%
Total	203	26	12.8%	1028	114	11.2%

Preschool Quality 2014/15

Percent and Number of Children by Risk Level for 3- and 4-Year Old Children



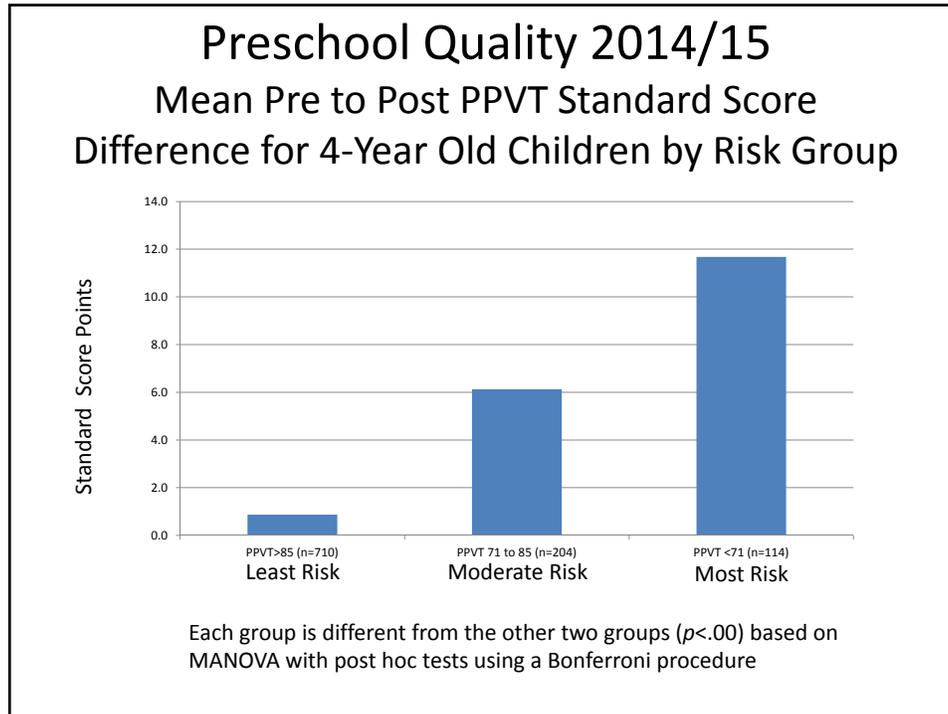
	# 4 Year Olds	# 3 Year Olds
Low Risk (PPVT>85 at Pre)	710	127
Moderate Risk (PPVT between 71 and 85 at Pre)	204	50
High Risk (PPVT<71 at Pre)	114	26



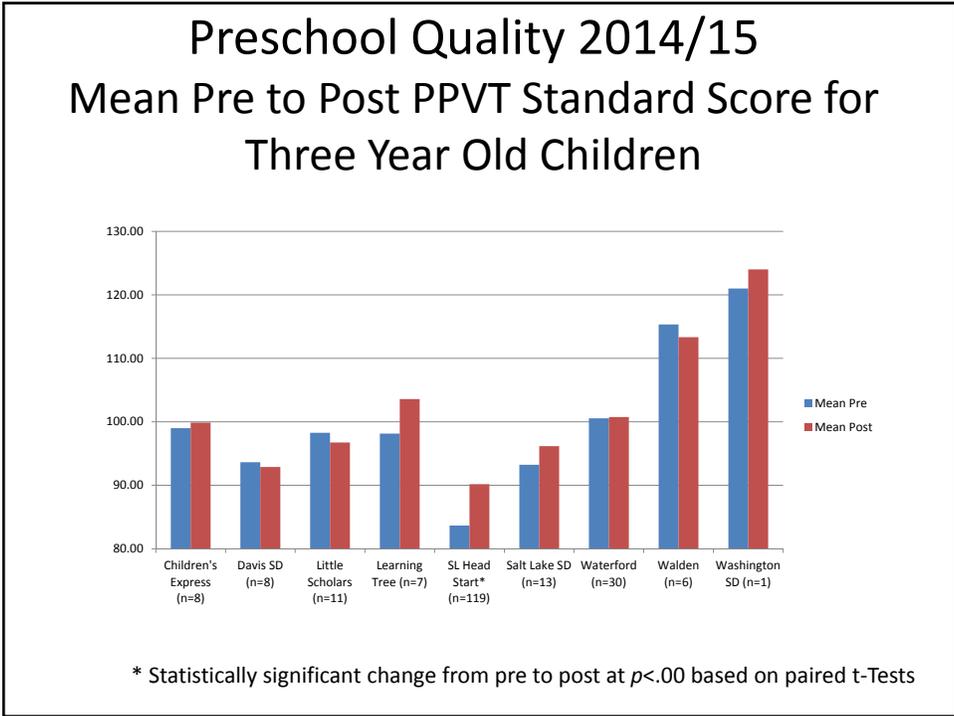
Preschool Quality 2014/15 Statistically Significant Pre to Post Differences* for 4-Year Olds by Program and Child Risk Level

	All Children	Low Risk Children (PPVT > 85 at pre)	Moderate and High Risk Children (PPVT < 86 at pre)	High Risk Children (PPVT < 71 at pre)
Canyons SD			$P < .00$	$p < .05$
Children's Express			NA**	NA
Davis SD	$p < .00$	$p < .05$	$P < .00$	NA
Little Scholars			NA	NA
Learning Tree			NA	NA
SL Head Start	$P < .00$		$P < .00$	$P < .00$
Salt Lake SD	$P < .00$		$P < .00$	$P < .00$
Waterford			$p < .05$	NA
Walden	$p < .10$	NA	NA	NA
Washington SD	$P < .00$	$P < .00$	$P < .00$	$P < .00$

* Based on Paired t-Test; ** Cell size less than five, no results reported



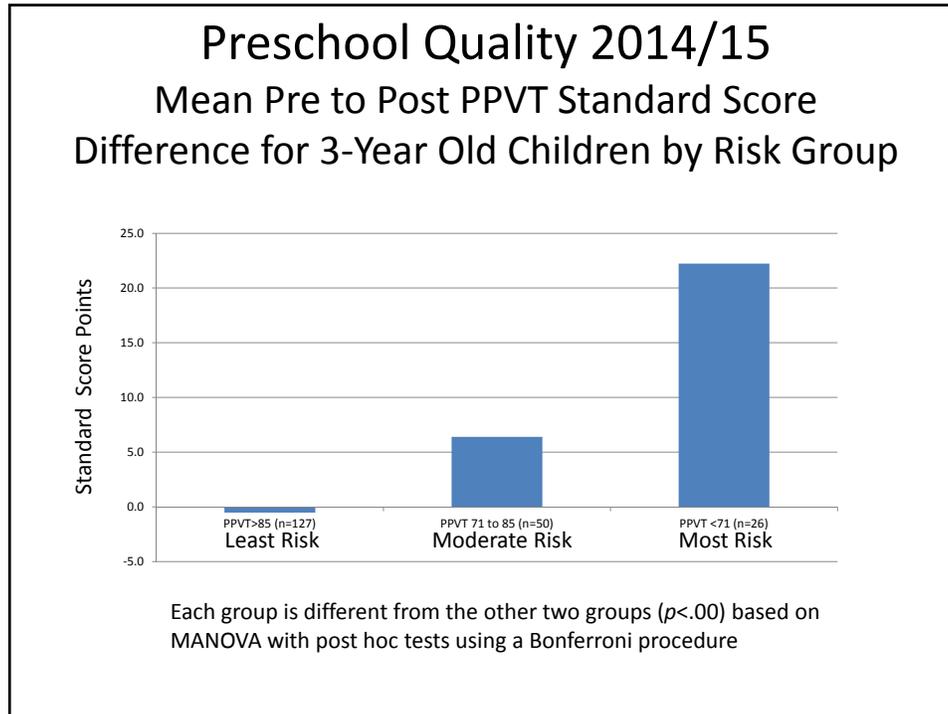
- ### Preschool Quality 2014/15
- #### 4-Year Old Summary
- Children in the Davis SD and Washington SD made statistically significant progress across all risk groups
 - Children in the Canyons SD, Salt Lake Head Start, and Salt Lake SD made statistically significant progress for the moderate and high risk groups
 - The greatest progress was made by children in the most risk group followed by the moderate risk group
 - The majority of children (69%) began in the low risk group



Preschool Quality 2014/15 Statistically Significant Pre to Post Differences* for 3-Year Olds by Program and Child Risk Level

	All Children	Low Risk Children (PPVT > 85 at pre)	Moderate and High Risk Children (PPVT < 86 at pre)	High Risk Children (PPVT < 71 at pre)
Canyons SD	NA	NA	NA	NA
Children's Express			NA**	NA
Davis SD			NA	NA
Little Scholars			NA	NA
Learning Tree			NA	NA
SL Head Start	$P < .00$		$P < .00$	$P < .00$
Salt Lake SD				NA
Waterford				NA
Walden			NA	NA
Washington SD	NA	NA	NA	NA

* Based on Paired t-Test; ** Cell size less than five, no results reported



- ### Preschool Quality 2014/15
- #### 3-Year Old Summary
- Children in the Salt Lake Head Start made statistically significant progress for the moderate and high risk groups
 - None of the low risk children in any program made statistically significant progress
 - There were few 3-year olds (17% overall) in the sample which made sample sizes too small to be valid for many analyses
 - The greatest progress was made by children in the most risk group followed by the moderate risk group
 - The majority of children (63%) began in the low risk group

Preschool Quality 2014/15 Limitations

- Period from pre to post was only 5 months due to delayed start
- Majority of children sampled were in the low risk group
- Majority of children sampled were 4-year olds