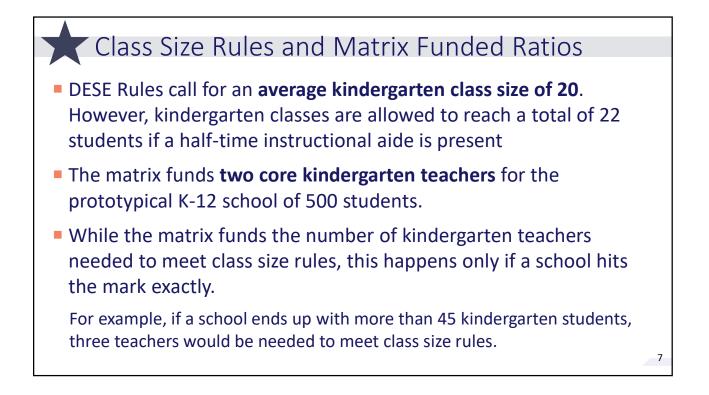
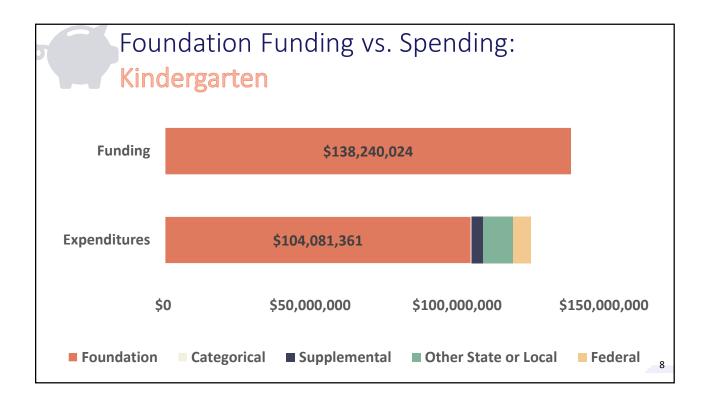
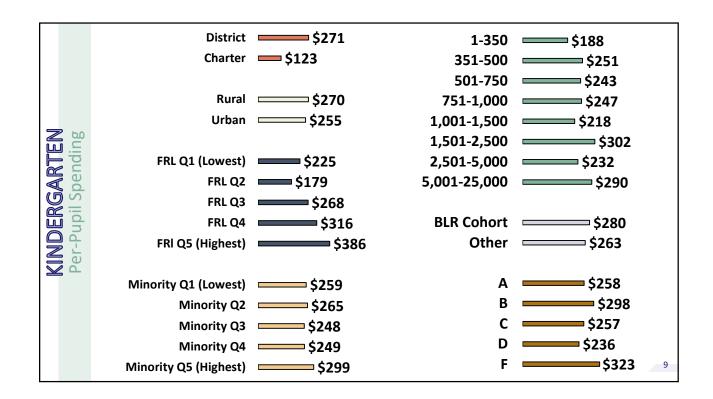


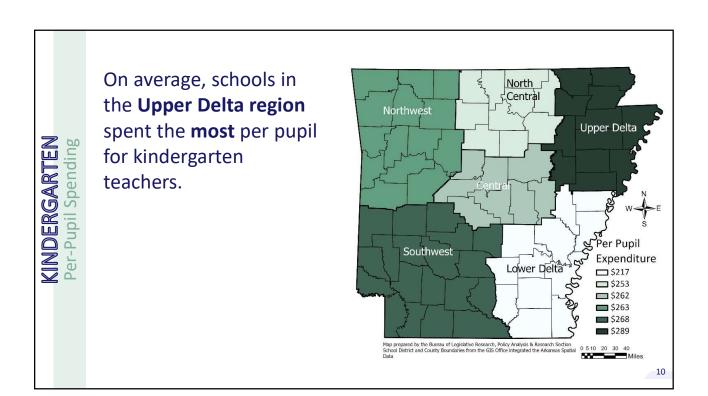
Matrix	FY23	FY24	FY25
Matrix Calculations		· · ·	
School Size	500	500	500
K = 8% of students	40	40	40
Grades 1-3 = 23% of students	115	115	115
Grades 4-12 = 69% of students	345	345	345
Staffing Ratios			
K P:T ratio = 20:1	2.0	2.0	2.0
Grades 1-3 P:T ratio = 23:1	5.0	5.0	5.0
Grades 4-12 P:T ratio = 25:1	13.8	13.8	13.8
PAM = 20% of classroom	4.14	4.14	4.14
Total Classroom Teachers	24.94	24.94	24.94
Special Ed Teachers	2.9	2.9	2.9
nstructional Facilitators	2.5	2.5	2.5
_ibrarian / Media Specialist	0.85	0.85	0.85
Guidance Counselor & Nurse	2.5	2.5	2.5
Total Pupil Support Personnel	8.75	8.75	8.75
Principal	1.0	1.0	1.0
Secretary	1.0	1.0	1.0
TOTAL School-Level Personnel	35.69	35.69	35.69

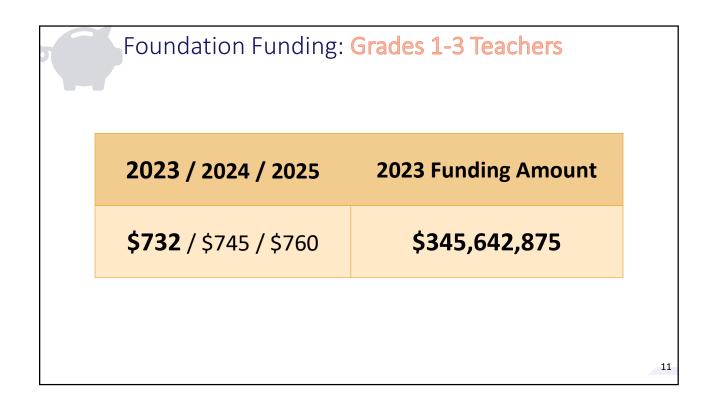
2023 /	2024 / 2025	2023 Funding Amount
\$293 /	´\$298 / \$304	\$138,240,024

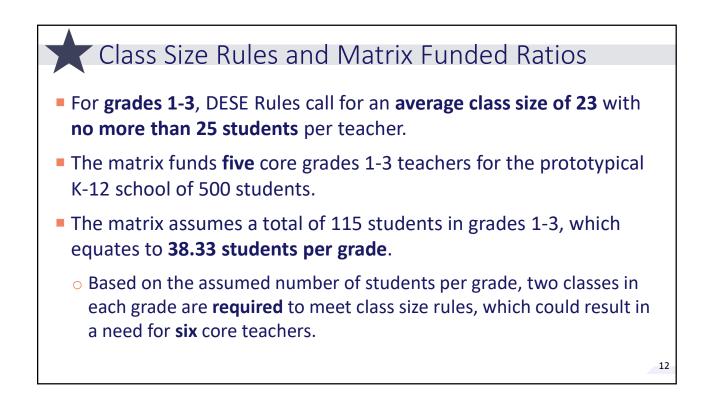


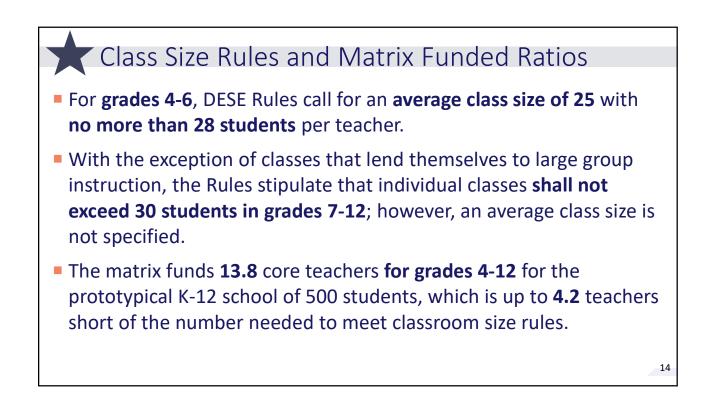


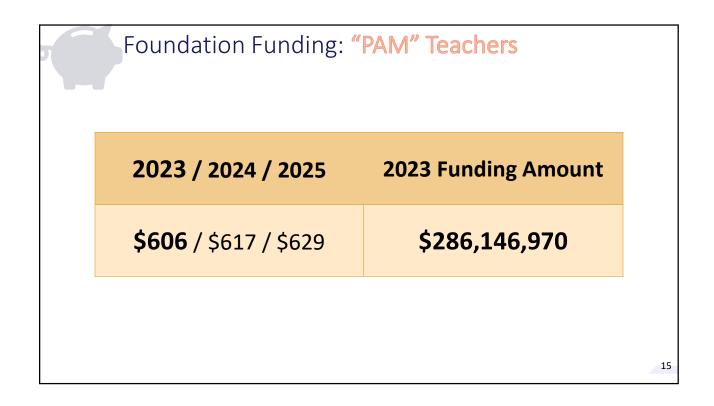


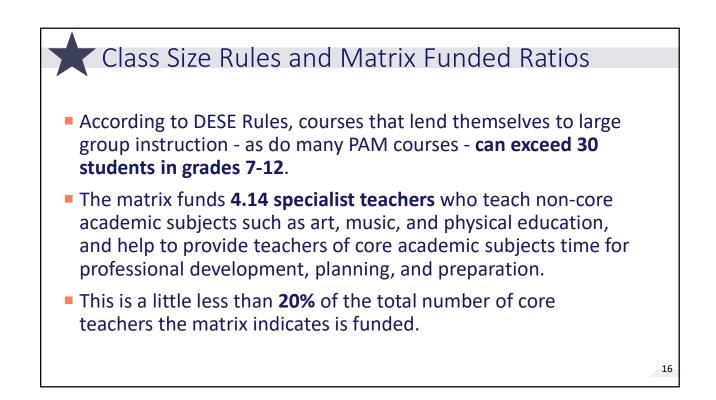


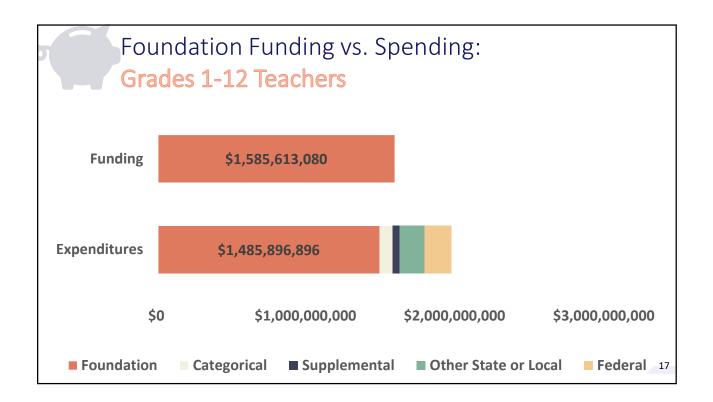




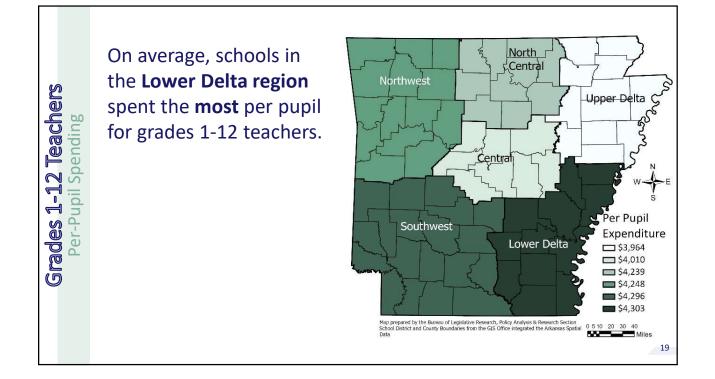








	District	\$4,207	1-350	\$4,383
	Charter	\$3,232	351-500	<b></b> \$4,587
			501-750	\$4,452
S	Rural	\$4,122	751-1,000	\$4,275
Q	Urban	\$4 <i>,</i> 178	1,001-1,500	\$4,073
Teachers ending			1,501-2,500	\$3,834
	FRL Q1 (Lowest)	\$4,089	2,501-5,000	\$3,851
	FRL Q2	\$4,191	5,001-25,000	\$4,383
<b>12</b>	FRL Q3	\$4,108		
n bi	FRL Q4	\$4,188	BLR Cohort	\$4,253
	FRI Q5 (Highest)	\$4,234	Other	\$4,150
<b>Grades</b> Per-F				
g	Minority Q1 (Lowest)	\$4,093	Α	\$4,344
U	Minority Q2	\$4,005	В	\$4,002
	Minority Q3	\$3,993	C	\$4,155
	Minority Q4	\$4,242	D	\$4,180
	Minority Q5 (Highest)	\$4,443	F	\$4,209 18



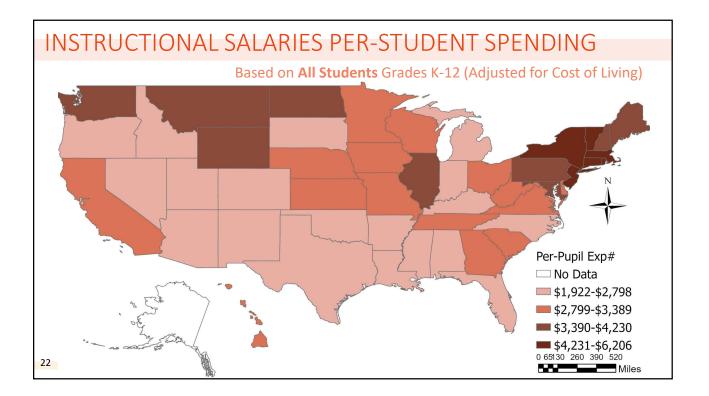
#### **Teacher-Student Ratios**

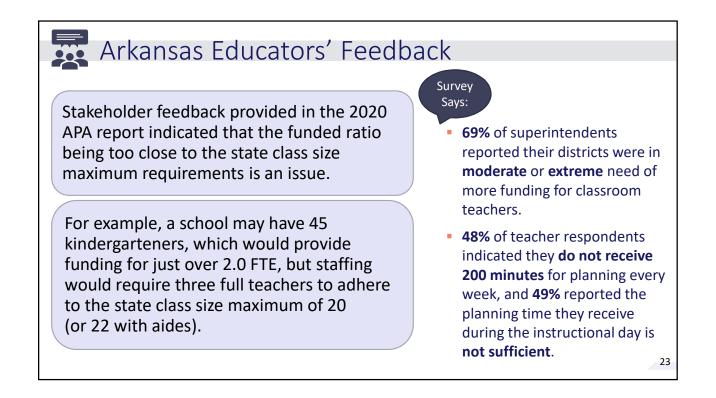
2023 Matrix	2023 Matrix Teacher-Student Ratio	Evidence-Based Model*
Kindergarten	1:20	1:15
Grades 1-3	1:23	1:15
Grades 4-12	1:25	1:25

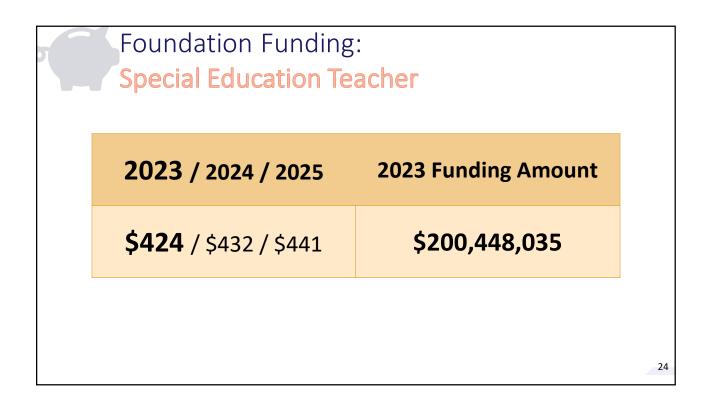
- Literature review findings recommend lower student-to-teacher ratios for K-3 grades than what is currently funded through the matrix.
- Evidence-based studies and other national adequacy studies suggest a 1:15 ratio for K-3.

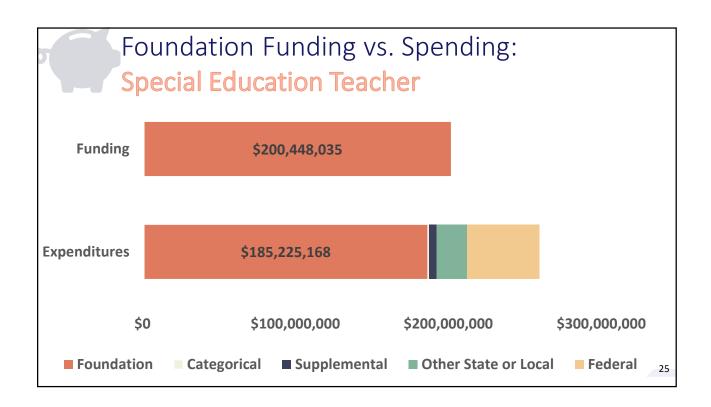
#### Teaching Staffing Levels

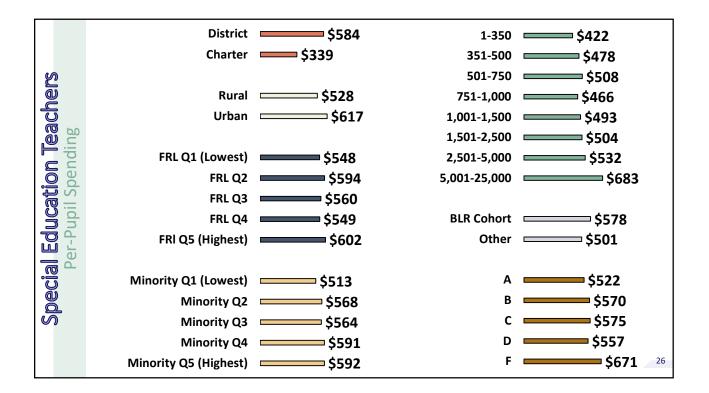
Core and Non-Core Teachers				
Matrix Item: Classroom Teachers	Matrix FTE: All grades	Evidence-Based Model FTE: 450-student prototypical elementary school	Evidence-Based Model FTE: 450-student prototypical middle school	Evidence-Based Model FTE: 600-student prototypical high school
Core: English Language Arts, Math, Social Studies and Science	20.8:500	26:450	18:450	24:450
Non-Core: PE, Art, Music and other electives	4.14:500 20% of Core	5.2:450 20% of Core	3.6:450 20% of Core	8.0:600 33 1/3% of Core
Total	24.94:500	31.2:450	21.6:450	32:600







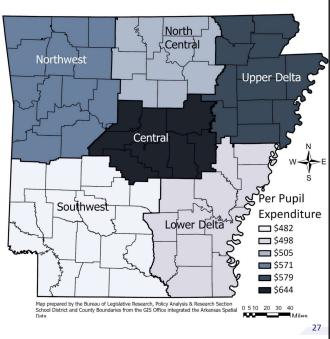




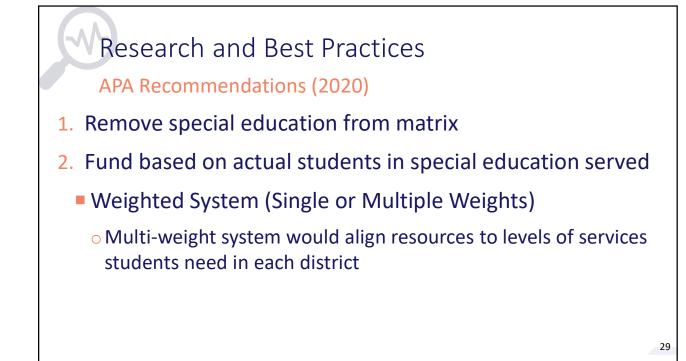
Special Education Teacher Per-Pupil Spending

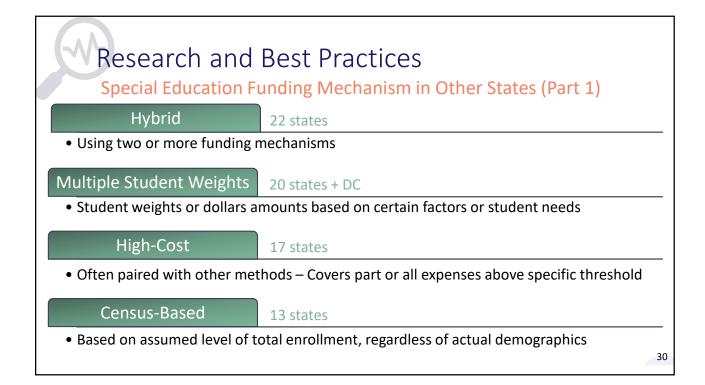


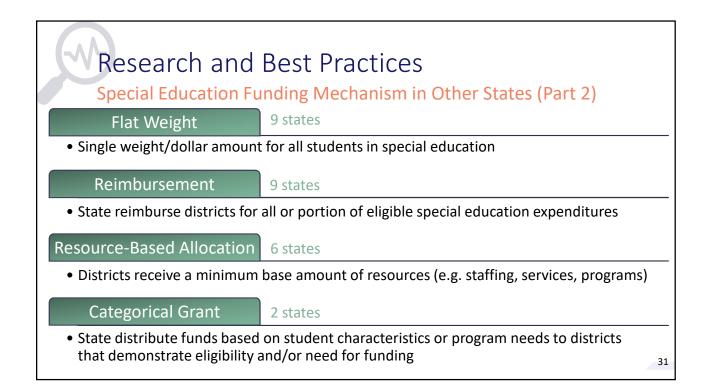
On average, the **Central region** spent the **most** per pupil for special education teachers

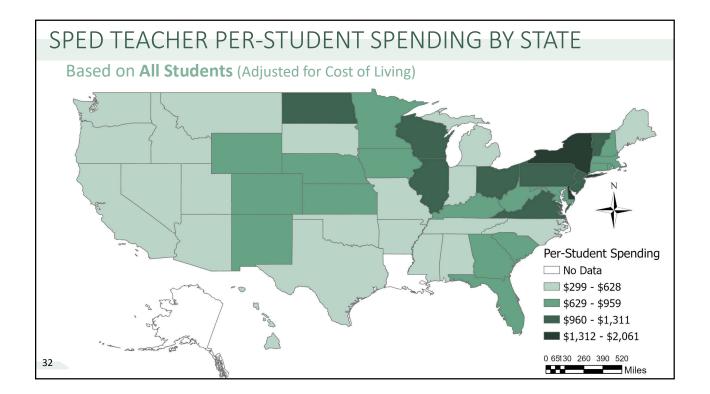


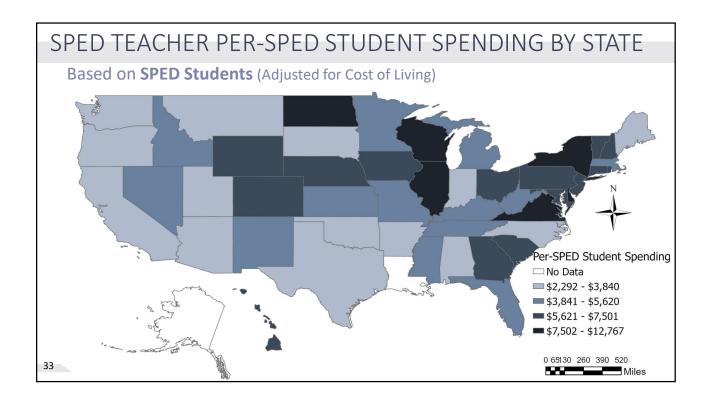
Research and Best Practices Odden and Picus Special Education Evidence-Based Model			
Funding Mechanisms Census Approach and High-Cost			
Staffing for students with Mild and Moderate Disabilities	5 special education teachers and 1 teacher behaviorist (or 6 total teacher positions) per 1,000 students		
Staffing for students with severe and profound, and high cost-to-serve disabilities	Fund 100% of extra costs for students with severe and profound disabilities (minus federal Title VI-B); AND Limit students covered here to 2% of students in the district		
Staffing for related services	1.1 per 1,000 students		
Staffing for costs associated with developing and continually reviewing individualized education plans (Psychologists)	1 psychologist per 1,000 students		
Total Special Education Staffing	8.1 positions for every 1,000 students (or 4.05 for every 500 students)	;	

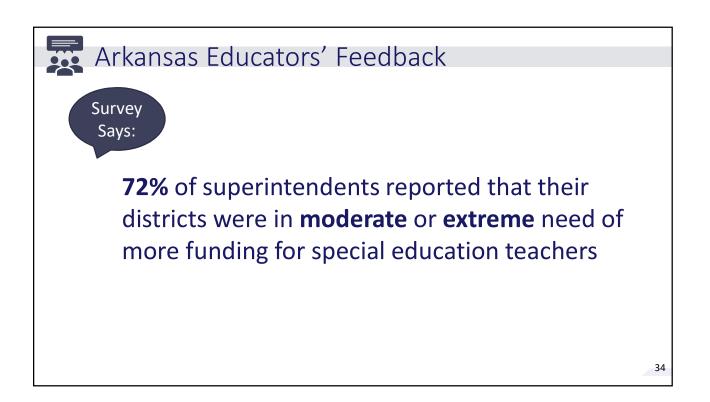


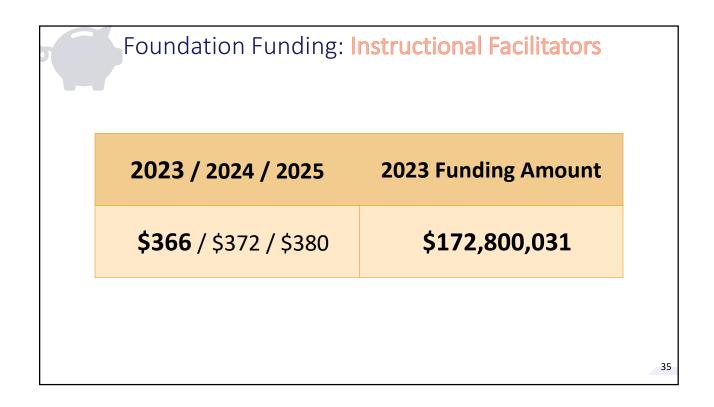


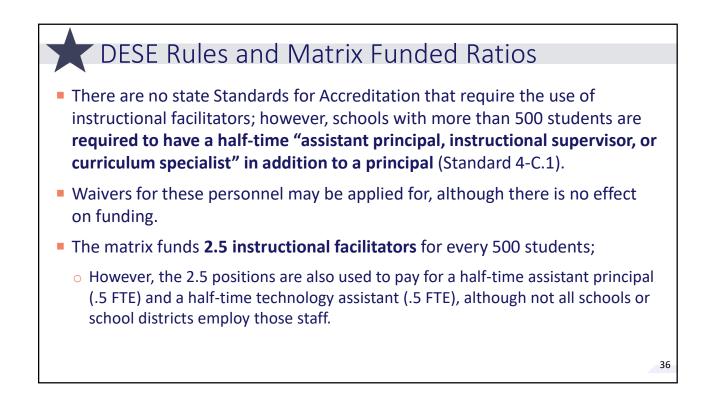


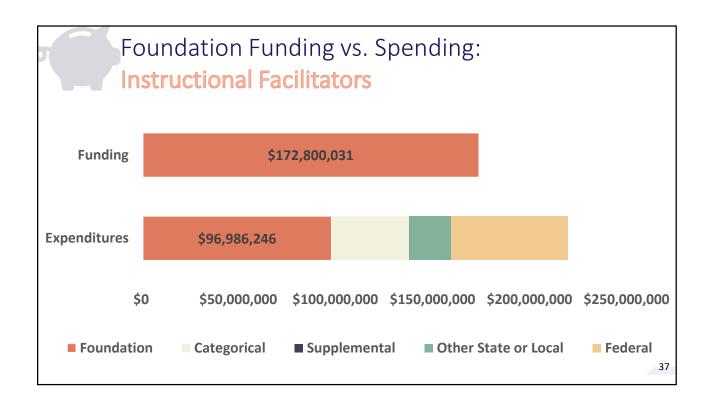


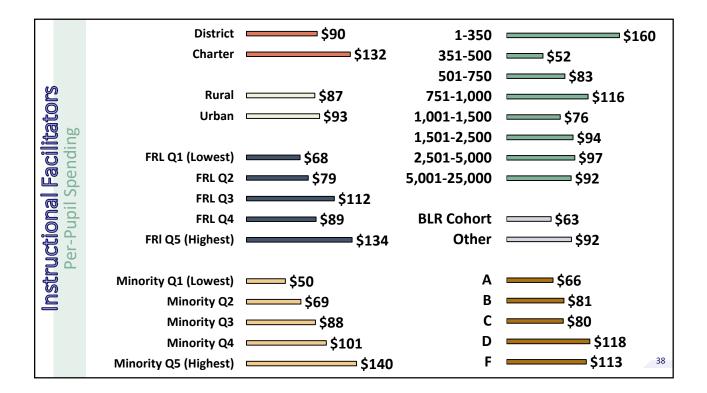


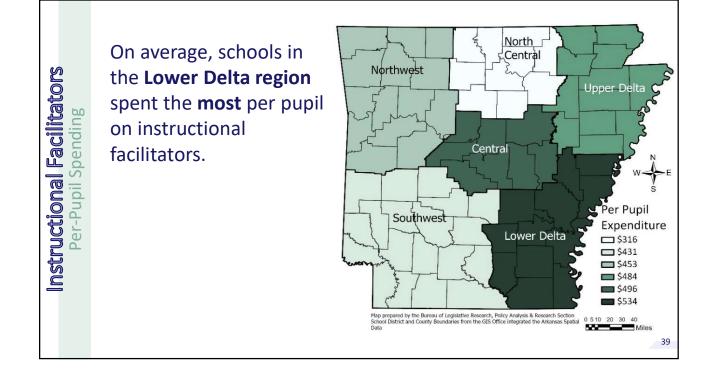








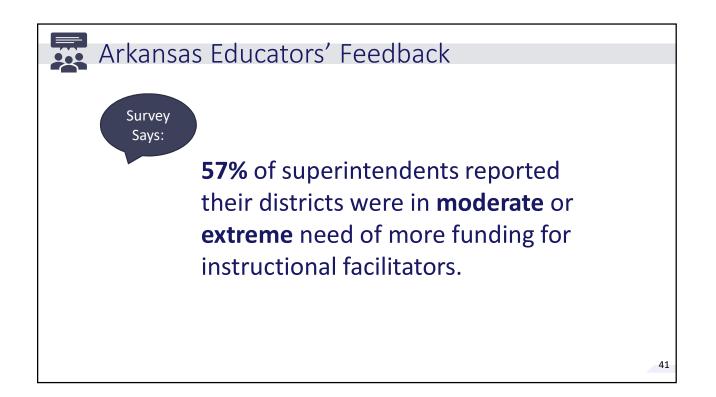




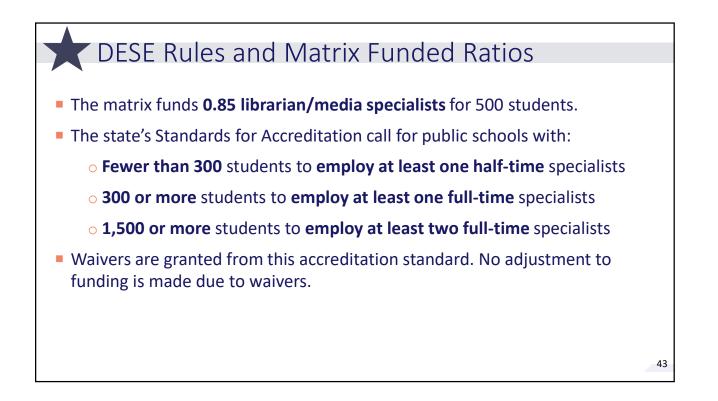
2023 Matrix Teacher-Student Ratio	Evidence-Based Model
2.5:500	2.25:450 elementary and middle schools
	3:600 high schools

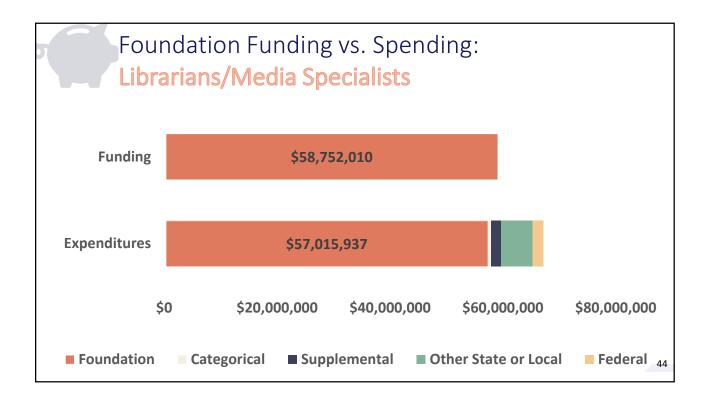
Research cited by Odden & Picus shows nearly all improving schools provide resources to:

- Fund instructional coaches to not only design the instructional program
- Work with school-based data teams and provide the ongoing coaching and mentoring necessary for teachers to improve their practice at scale

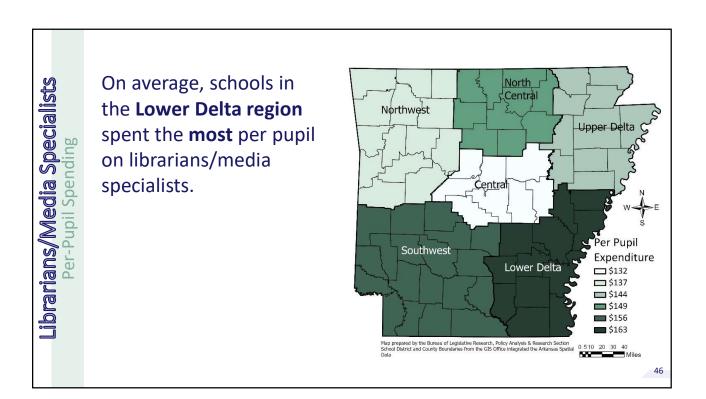


2023 / 2024 / 2025	2023 Funding Amount
2023 / 2024 / 2023	
<b>\$124</b> / \$127 / \$129	\$58,752,010

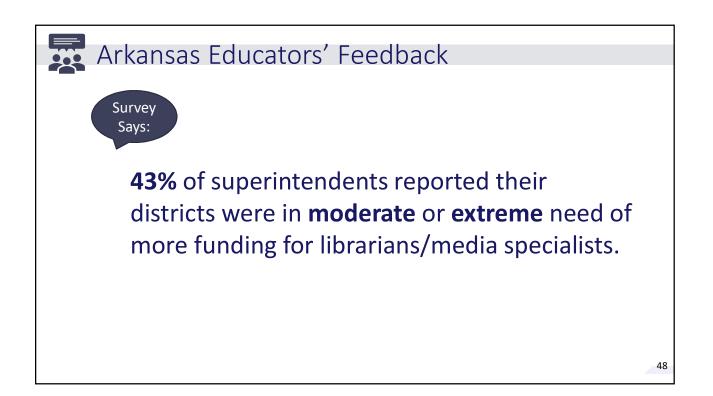


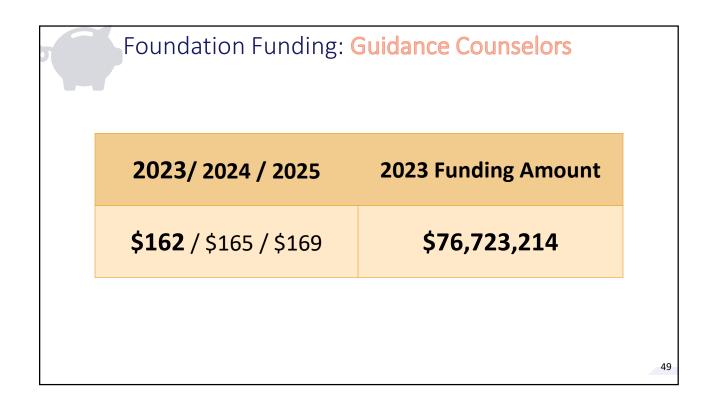


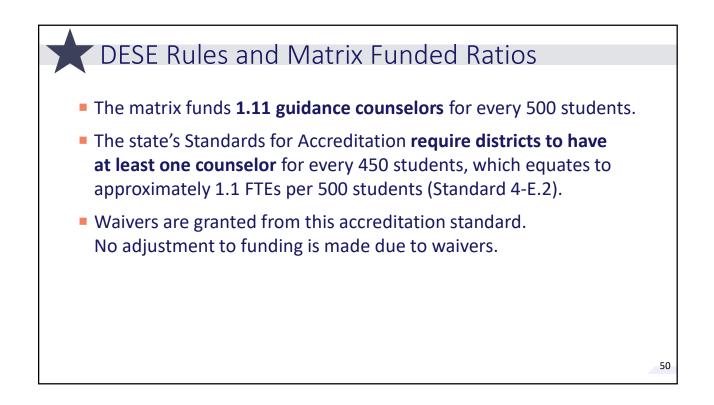
District	\$149	1-350	<b>\$127</b>	
Charter	■\$6	351-500	<b></b> \$159	
		501-750	\$192	
Rural	\$158	751-1,000	<b></b> \$170	
Urban	\$122	1,001-1,500	<b></b> \$158	
		1,501-2,500	\$148	
FRL Q1 (Lowest)	\$118	2,501-5,000	<b></b> \$116	
FRL Q2	\$133	5,001-25,000	\$136	
FRL Q3	\$155			
FRL Q4	\$150	BLR Cohort	\$157	
FRI Q5 (Highest)	\$167	Other	\$140	
Minority Q1 (Lowest)	\$157	Α	<b></b> \$122	
Minority Q2	\$156	В	\$137	
Minority Q3	\$129	C	\$146	
Minority Q4	\$138	D	<b></b> \$139	
Minority Q5 (Highest)	\$135	F	<b></b> \$169	45
	Charter Rural Urban FRL Q1 (Lowest) FRL Q2 FRL Q3 FRL Q4 FRI Q5 (Highest) Minority Q1 (Lowest) Minority Q2 Minority Q3 Minority Q4	Charter \$6 Rural \$158 Urban \$122 FRL Q1 (Lowest) \$118 FRL Q2 \$133 FRL Q3 \$155 FRL Q4 \$150 FRI Q5 (Highest) \$167 Minority Q1 (Lowest) \$157 Minority Q3 \$129 Minority Q4 \$138	Charter = \$6 S01-750 Rural \$158 Urban \$122 1,001-1,500 1,501-2,500 FRL Q1 (Lowest) \$118 FRL Q2 FRL Q3 FRL Q3 FRL Q4 \$155 FRL Q4 \$150 BLR Cohort FRI Q5 (Highest) \$157 Minority Q2 \$156 Minority Q4 \$158 Minority Q4 \$157 A Minority Q4 \$138 D	Charter       \$6       351-500       \$159         Rural       \$158       501-750       \$192         Rural       \$158       751-1,000       \$170         Urban       \$122       1,001-1,500       \$158         1,501-2,500       \$148       2,501-5,000       \$116         FRL Q2       \$133       5,001-25,000       \$136         FRL Q3       \$155       FRL Q4       \$157         FRI Q5 (Highest)       \$157       A       \$127         Minority Q1 (Lowest)       \$156       B       \$137         Minority Q3       \$129       C       \$146         Minority Q4       \$138       D       \$139

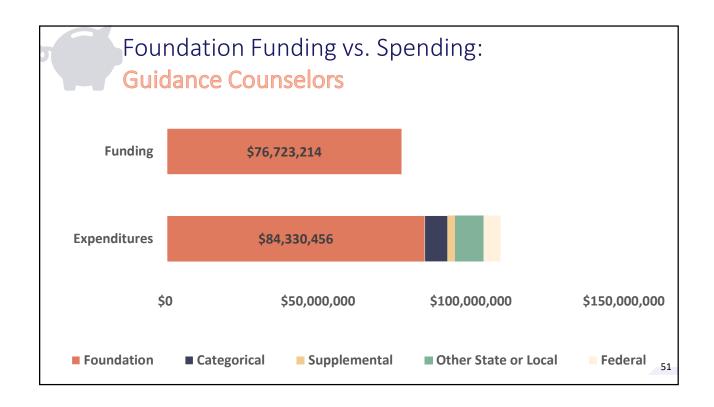


Research a	and Best Practic Specialist	<ul> <li>The Odden &amp; Picus evidence-based model provides for 1.0 library/media FTE position for each prototypical</li> </ul>
2023 Matrix Teacher-Student Ratio	Evidence-Based Model	school.
.85:500	1:450 elementary and middle schools 1:600 high school	<ul> <li>APA reported the funding in the matrix is below recommendations found in other state adequacy studies.</li> <li>Both APA and O&amp;P cite studies that suggest resources of at least 1.0 library/media specialist FTE.</li> <li>A 2012 Colorado study using data from 2005-2011 showed that students with access to licensed librarians working full time performed better on state reading assessments.</li> </ul>

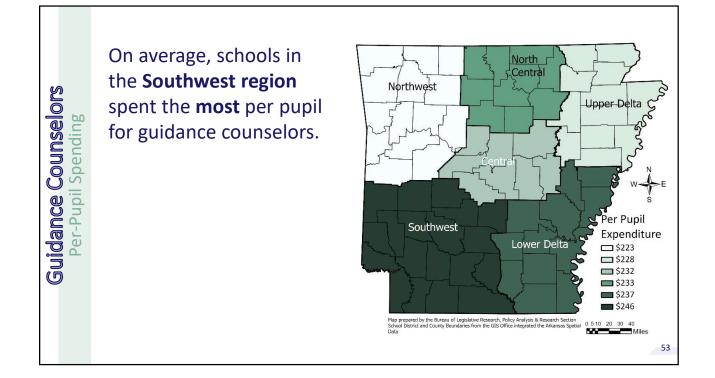






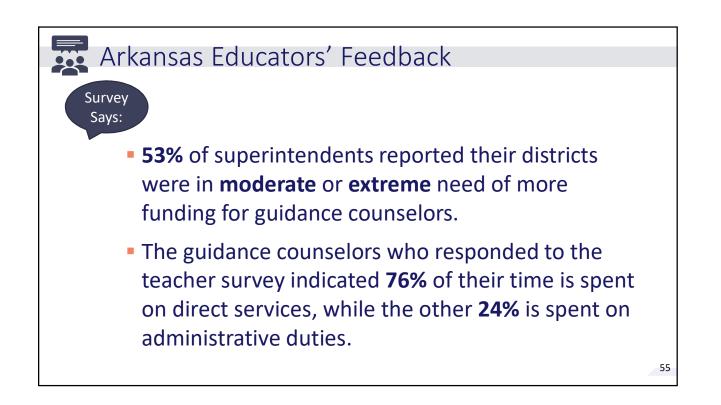


_				
	District	\$233	1-350	\$264
	Charter	\$188	351-500	<b>\$253</b>
			501-750	<b>\$235</b>
S	Rural	\$231	751-1,000	\$244
	Urban	\$229	1,001-1,500	\$212
			1,501-2,500	\$218
Counselors Spending	FRL Q1 (Lowest)	\$218	2,501-5,000	\$227
be	FRL Q2	\$238	5,001-25,000	\$236
	FRL Q3	\$230		
np C@	FRL Q4	\$241	BLR Cohort	\$238
n-P	FRI Q5 (Highest)	\$230	Other	\$230
Guidance Per-Pupi				
) NG	Minority Q1 (Lowest)	\$226	Α	\$214
	Minority Q2	\$218	В	\$221
	Minority Q3	\$222	C	\$233
	Minority Q4	\$232	D	\$242
	Minority Q5 (Highest)	\$254	F	\$224 52



2023 Matr Teacher-Studen	
1.11:500	1:450 grades K-5
	1:250 grades 6-12

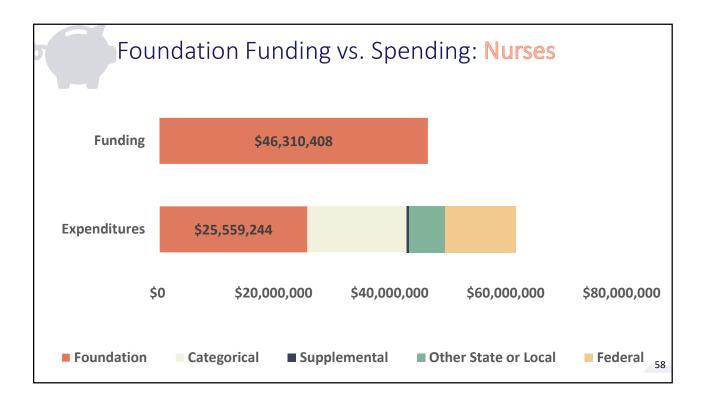
Odden & Picus cite numerous research studies that show school counseling programs designed after the model developed by the American School Counselor Association (ASCA) using a 1:250 ratio has a positive impact on student learning, achievement test scores, and graduation rates.

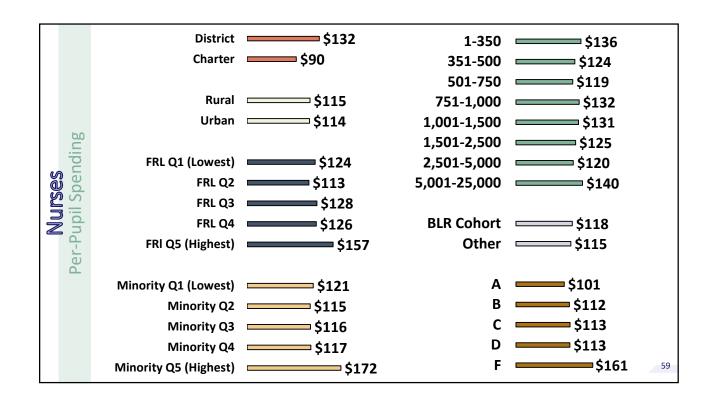


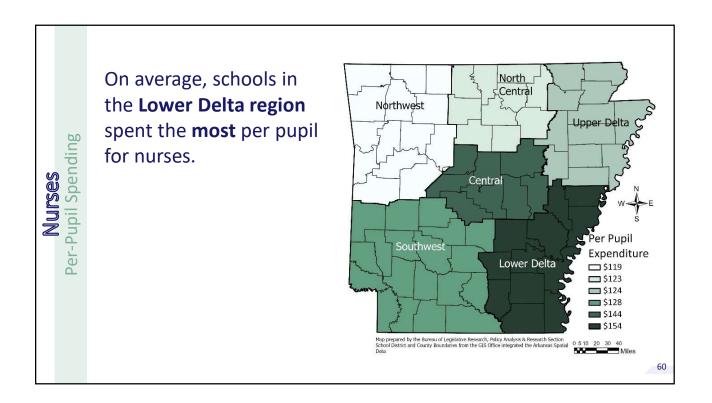
2023 / 2024 / 2025	2023 Funding Amount
<b>\$98</b> / \$100 / \$102	\$46,310,408

# DESE Rules and Matrix Funded Ratios The matrix funds .67 FTE nurses for every 500 students.

- State law requires districts to have at least one nurse per 750 students (§ 6-18-706(c)(1)). The law also notes that districts with "a high concentration of children with disabling conditions as determined by the State Board of Education ... should" have a nurse-to-student requirement of 1:400. In districts that "provide a center for profoundly disabled students," the ratio "should" be 1:125. [§ 6-18-706(c)(2) and (3)].
- However, the law also includes a provision that makes these requirements effective "only upon the availability of state funds" (§ 6-18-706(e)(1)).

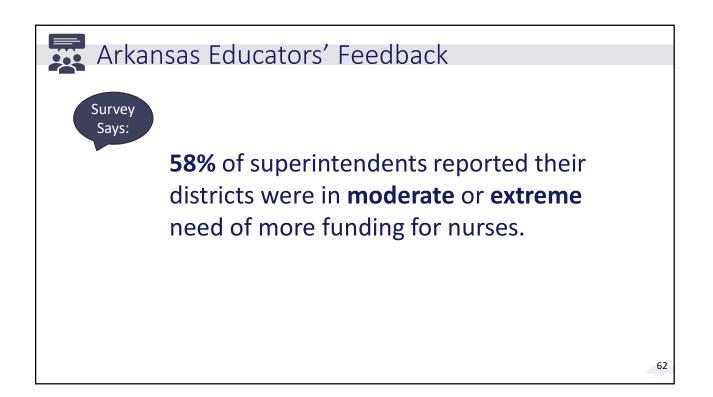


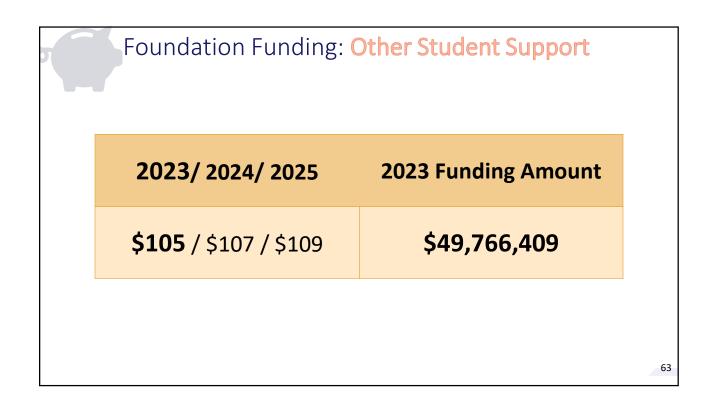


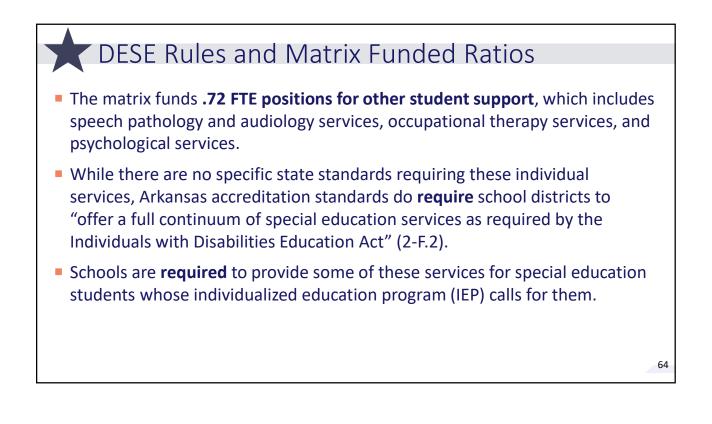


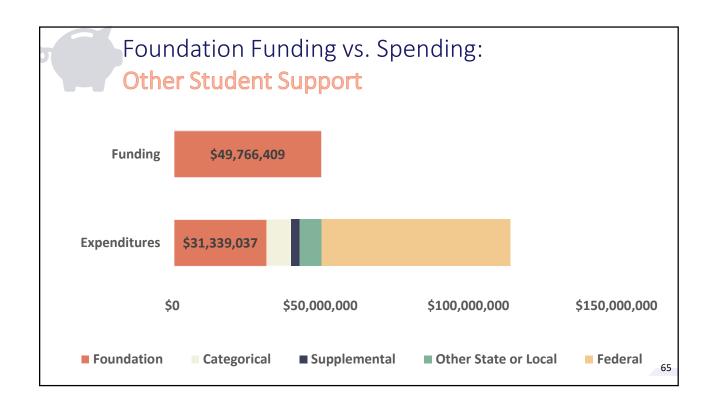
Nurses

- The evidenced-based model uses the staffing standard of the National Association of School Nurses.
- This allocation allows districts to provide a half-time nurse in each prototypical elementary and middle school and a fulltime nurse in each prototypical high school.
- The National Association of School Nurses defines school nursing as a specialized practice of nursing that protects and promotes student health and advances academic success. It is the association's position that a full-time registered school nurse be present in every school, every day.

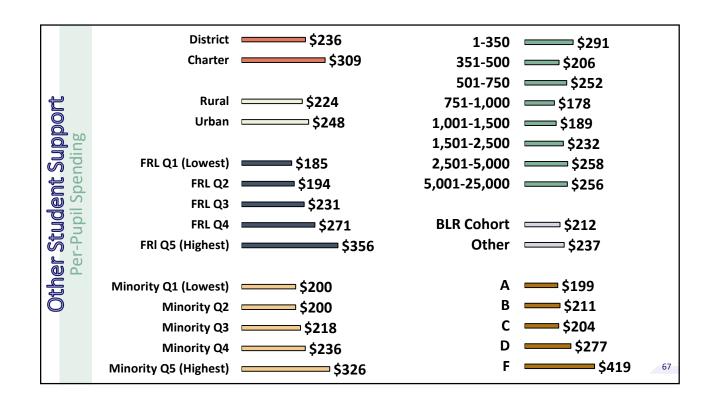


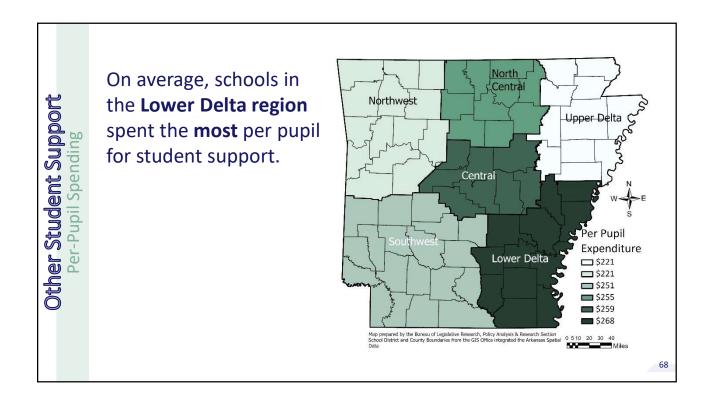




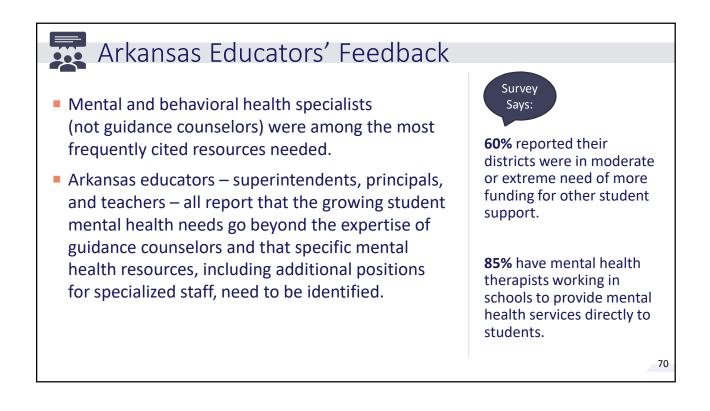


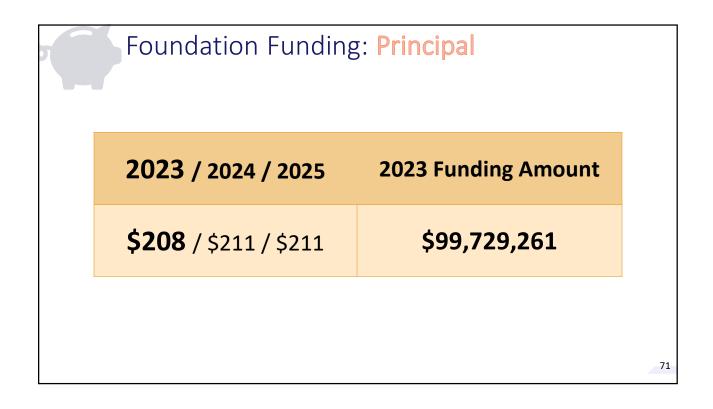
OTHER STUDENT SUPPORT				
Function Description	2023 Foundation Expenditures	2023 Total Expenditures		
Physical and Occupational Therapy	\$11.1 M	\$38.4 M		
Speech Pathology and Audiology Services	\$7.9 M	\$28.3 M		
Psychological Testing and Services	\$8.4 M	\$23.7 M		
Attendance and Social Work Services	\$2.4 M	\$12.2 M		
Parental Involvement	\$898K	\$7.5 M		
School Based Mental Health	\$604K	\$3 M		
Total	\$31.3 M	\$113.1 M		
		66		

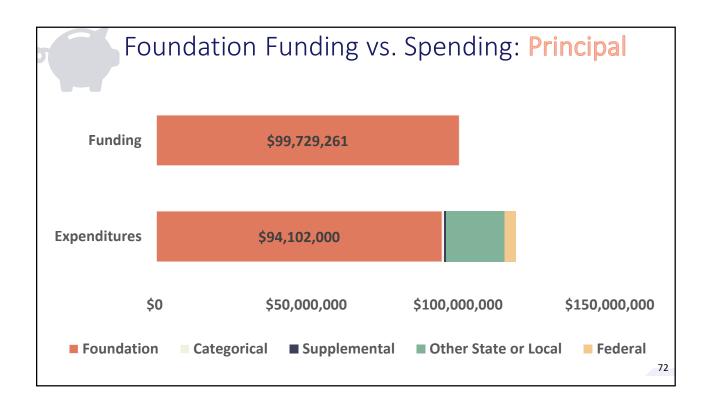


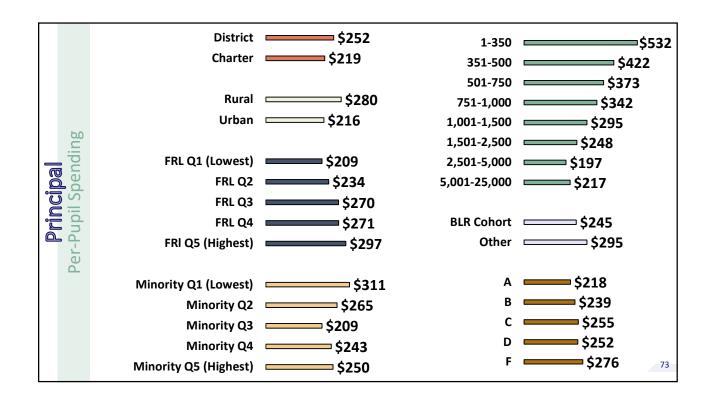


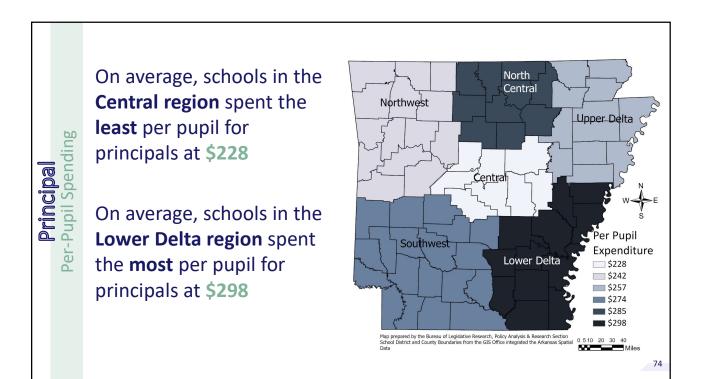
Research and Best Practices Other Student Support 2023 Matrix				
		Support Staff-Student Ratio 0.72:500	]	
Professional Association	Recommended Staffin	g Level		
American School Counselor Association	250:1 student to school	ol counselors		
National Association of School Psychologists	250:1 for school couns 500-700:1 for school p 400:1 for school social	sychologists		
National Association of Social Workers		workers, unless working with e needs, when a lower ration is		

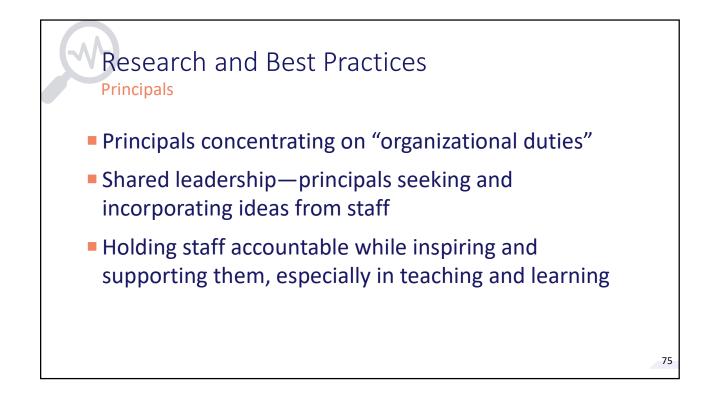


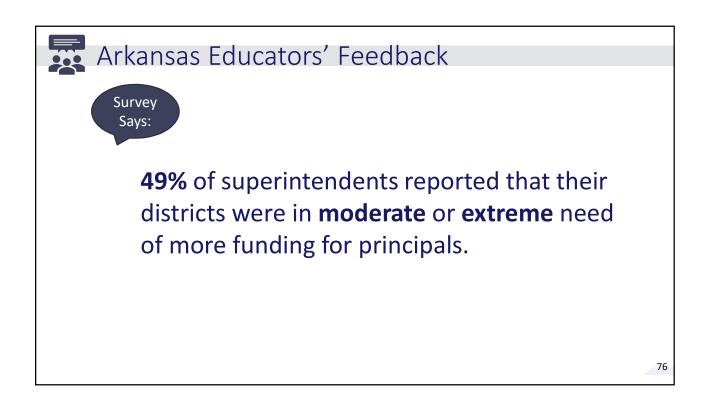


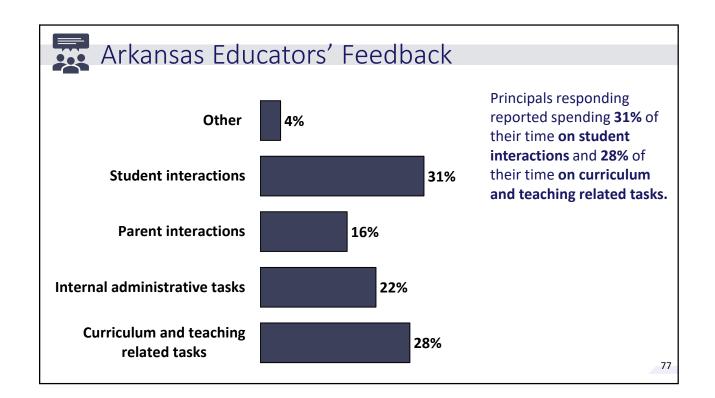


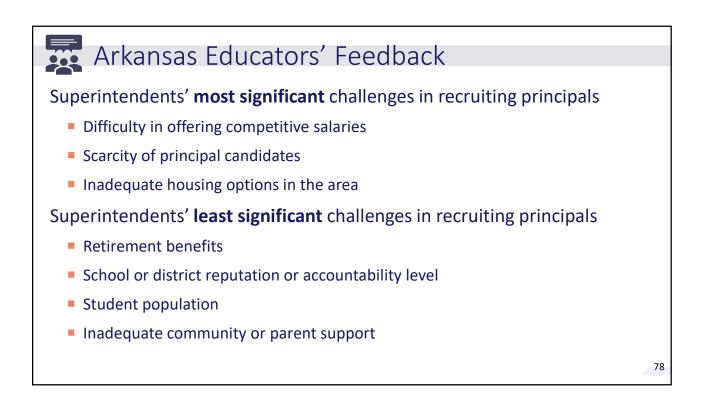






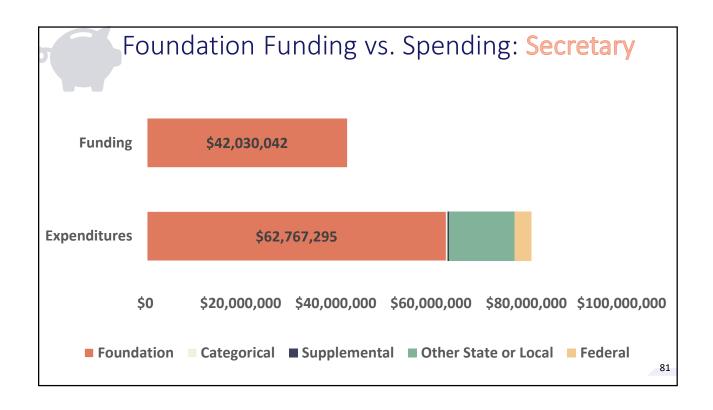








<b>2023 /</b> 2024 / 2025	2023 Funding Amount
<b>\$86</b> / \$91 / \$92	\$42,030,042



	District	\$169	1-350	\$3	11
	Charter	\$194	351-500	<b></b> \$172	
ng			501-750	<b></b> \$153	
	Rural	\$162	751-1,000	<b></b> \$150	
	Urban	\$179	1,001-1,500	<b></b> \$157	
			1,501-2,500	<b></b> \$158	
Mdi	FRL Q1 (Lowest)	\$160	2,501-5,000	<b></b> \$155	
pel	FRL Q2	\$170	5,001-25,000	<b></b> \$193	
Secretary Pupil Spene	FRL Q3	\$163			
up du	FRL Q4	<b>\$169</b>	BLR Cohort	\$170	
	FRI Q5 (Highest)	\$196	Other	\$167	
Per					
	Minority Q1 (Lowest)	<b></b> \$148	А	\$173	
	Minority Q2	<b></b> \$149	В	\$152	
	Minority Q3	\$158	C	\$166	
	Minority Q4	<b></b> \$180	D	\$180	
	Minority Q5 (Highest)	<b>\$209</b>	F	\$202	82

