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# **Calculating Local Wealth and Enrollment**

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**Presentation to the Commission on  
Innovation and Excellence in Education**

**Department of Legislative Services  
Office of Policy Analysis  
Annapolis, Maryland**

**October 31, 2018**

## **Per Pupil Funding for Public Schools in Fiscal 2018**

<b>County</b>	<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Misc.</b>	<b>Total</b>
Allegany	\$994	\$10,785	\$3,714	\$51	\$15,544
Anne Arundel	530	5,210	8,431	41	14,212
Baltimore City	1,374	12,070	3,645	88	17,178
Baltimore	713	6,782	7,208	77	14,779
Calvert	483	6,147	7,808	32	14,469
Caroline	1,014	10,798	2,596	99	14,507
Carroll	481	6,085	7,492	179	14,237
Cecil	605	8,150	5,525	31	14,312
Charles	529	7,405	6,728	54	14,717
Dorchester	890	10,262	4,220	203	15,575
Frederick	456	6,679	6,384	148	13,667
Garrett	824	6,755	7,483	15	15,077
Harford	546	6,385	6,472	88	13,490
Howard	366	5,431	10,321	104	16,222
Kent	885	6,154	9,236	86	16,361
Montgomery	476	5,359	10,599	64	16,498
Prince George's	708	9,607	5,812	103	16,231
Queen Anne's	639	5,436	7,364	184	13,623
St. Mary's	1,139	6,909	5,957	45	14,050
Somerset	1,364	12,745	3,596	31	17,736
Talbot	794	3,870	8,621	15	13,300
Washington	697	8,744	4,426	43	13,911
Wicomico	881	10,535	2,925	147	14,488
Worcester	826	4,177	13,256	36	18,294
<b>Total</b>	<b>\$671</b>	<b>\$7,370</b>	<b>\$7,323</b>	<b>\$83</b>	<b>\$15,446</b>

Note: Uses September 2017 enrollment.

## Per Pupil Funding Ranking by Source in Fiscal 2018

### State Per Pupil Aid Ranking

1.	Somerset	\$12,745
2.	Baltimore City	12,070
3.	Caroline	10,798
4.	Allegany	10,785
5.	Wicomico	10,535
6.	Dorchester	10,262
7.	Prince George's	9,607
8.	Washington	8,744
9.	Cecil	8,150
10.	Charles	7,405
11.	St. Mary's	6,909
12.	Baltimore	6,782
13.	Garrett	6,755
14.	Frederick	6,679
15.	Harford	6,385
16.	Kent	6,154
17.	Calvert	6,147
18.	Carroll	6,085
19.	Queen Anne's	5,436
20.	Howard	5,431
21.	Montgomery	5,359
22.	Anne Arundel	5,210
23.	Worcester	4,177
24.	Talbot	3,870

### Local Per Pupil Aid Ranking

1.	Worcester	\$13,256
2.	Montgomery	10,599
3.	Howard	10,321
4.	Kent	9,236
5.	Talbot	8,621
6.	Anne Arundel	8,431
7.	Calvert	7,808
8.	Carroll	7,492
9.	Garrett	7,483
10.	Queen Anne's	7,364
11.	Baltimore	7,208
12.	Charles	6,728
13.	Harford	6,472
14.	Frederick	6,384
15.	St. Mary's	5,957
16.	Prince George's	5,812
17.	Cecil	5,525
18.	Washington	4,426
19.	Dorchester	4,220
20.	Allegany	3,714
21.	Baltimore City	3,645
22.	Somerset	3,596
23.	Wicomico	2,925
24.	Caroline	2,596

### Total Per Pupil Aid Ranking

1.	Worcester	\$18,294
2.	Somerset	17,736
3.	Baltimore City	17,178
4.	Montgomery	16,498
5.	Kent	16,361
6.	Prince George's	16,231
7.	Howard	16,222
8.	Dorchester	15,575
9.	Allegany	15,544
10.	Garrett	15,077
11.	Baltimore	14,779
12.	Charles	14,717
13.	Caroline	14,507
14.	Wicomico	14,488
15.	Calvert	14,469
16.	Cecil	14,312
17.	Carroll	14,237
18.	Anne Arundel	14,212
19.	St. Mary's	14,050
20.	Washington	13,911
21.	Frederick	13,667
22.	Queen Anne's	13,623
23.	Harford	13,490
24.	Talbot	13,300

Note: Uses September 2017 enrollment.

# Direct State Aid to Public Schools in Fiscal 2019

County	Sept. 2017 FTE Enrollment	Direct State Aid	Per Pupil Amount	<u>Ranking by Direct Per Pupil Aid</u>	
Allegany	8,166	\$83,374,129	\$10,210	1.	Somerset \$12,006
Anne Arundel	80,350	366,970,413	4,567	2.	Baltimore City 11,444
Baltimore City	74,853	856,648,961	11,444	3.	Caroline 10,390
Baltimore	109,343	677,612,528	6,197	4.	Wicomico 10,310
Calvert	15,435	82,023,654	5,314	5.	Allegany 10,210
Caroline	5,469	56,823,021	10,390	6.	Dorchester 9,657
Carroll	24,935	132,867,744	5,329	7.	Prince George's 8,983
Cecil	14,782	107,905,109	7,300	8.	Washington 8,201
Charles	26,085	183,722,462	7,043	9.	Cecil 7,300
Dorchester	4,526	43,708,195	9,657	10.	Charles 7,043
Frederick	40,752	249,020,211	6,111	11.	St. Mary's 6,251
Garrett	3,649	22,080,608	6,052	12.	Baltimore 6,197
Harford	36,877	211,657,465	5,740	13.	Frederick 6,111
Howard	55,372	257,167,841	4,644	14.	Garrett 6,052
Kent	1,866	10,024,107	5,372	15.	Harford 5,740
Montgomery	156,995	714,872,872	4,553	16.	Kent 5,372
Prince George's	127,013	1,140,947,934	8,983	17.	Carroll 5,329
Queen Anne's	7,536	35,855,472	4,758	18.	Calvert 5,314
St. Mary's	17,155	107,229,138	6,251	19.	Queen Anne's 4,758
Somerset	2,697	32,379,125	12,006	20.	Howard 4,644
Talbot	4,406	14,296,315	3,245	21.	Anne Arundel 4,567
Washington	21,901	179,606,746	8,201	22.	Montgomery 4,553
Wicomico	14,341	147,862,564	10,310	23.	Talbot 3,245
Worcester	6,304	19,847,067	3,148	24.	Worcester 3,148
Unallocated		69,090,693	80		
<b>Total</b>	<b>860,806</b>	<b>\$5,803,594,374</b>	<b>\$6,742</b>		<b>State Average \$6,742</b>

Note: Direct aid excludes State paid teachers' retirement. Retirement is not wealth equalized.

# Factors Affecting Local Education Needs

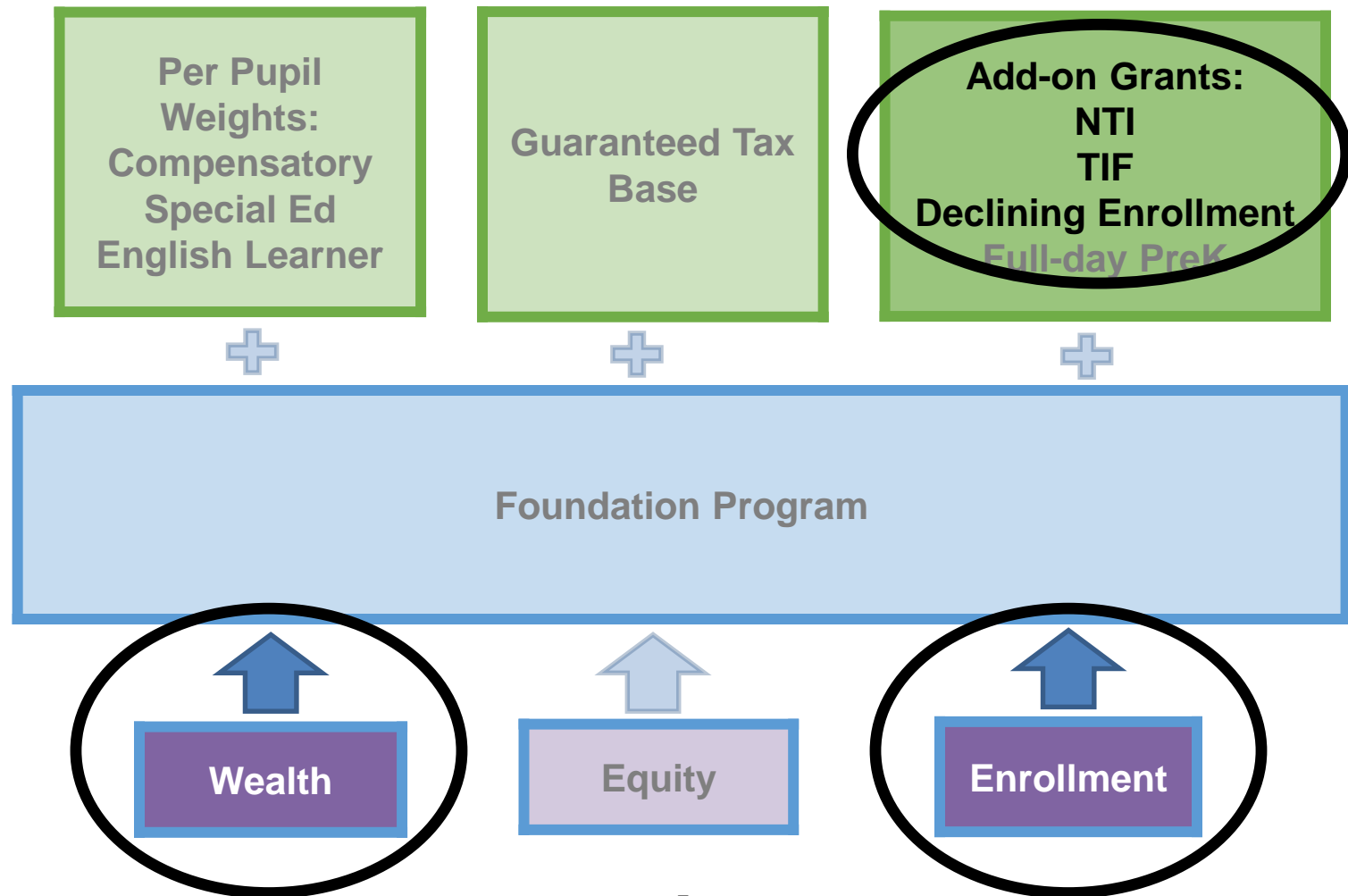
Fiscal 2019

<u>At-risk Student Index</u>		<u>Local Wealth Per Pupil</u>		<u>Direct Aid Per Pupil</u>	
1. Baltimore City	110.4%	24. Caroline	\$285,553	1. Somerset	\$12,006
2. Prince George's	92.7%	23. Wicomico	290,096	2. Baltimore City	11,444
3. Somerset	92.1%	22. Somerset	299,995	3. Caroline	10,390
4. Dorchester	80.3%	21. Allegany	311,141	4. Wicomico	10,310
5. Wicomico	76.6%	20. Baltimore City	356,648	5. Allegany	10,210
6. Allegany	72.3%	19. Washington	361,300	6. Dorchester	9,657
7. Kent	70.2%	18. Dorchester	363,407	7. Prince George's	8,983
8. Caroline	69.5%	17. Cecil	412,290	8. Washington	8,201
9. Baltimore	63.7%	16. Charles	413,436	9. Cecil	7,300
10. Talbot	62.8%	15. Prince George's	417,971	10. Charles	7,043
11. Montgomery	61.9%	14. St. Mary's	455,895	11. St. Mary's	6,251
12. Washington	61.4%	13. Frederick	462,192	12. Baltimore	6,197
13. Cecil	59.2%	12. Harford	494,902	13. Frederick	6,111
14. Worcester	56.8%	11. Calvert	508,365	14. Garrett	6,052
15. Garrett	55.5%	10. Carroll	511,298	15. Harford	5,740
16. Charles	49.8%	9. Baltimore	518,552	16. Kent	5,372
17. Anne Arundel	48.2%	8. Howard	599,275	17. Carroll	5,329
18. Harford	44.8%	7. Queen Anne's	621,736	18. Calvert	5,314
19. St. Mary's	43.8%	6. Garrett	639,670	19. Queen Anne's	4,758
20. Frederick	43.3%	5. Anne Arundel	662,949	20. Howard	4,644
21. Queen Anne's	39.4%	4. Montgomery	759,941	21. Anne Arundel	4,567
22. Howard	36.7%	3. Kent	864,560	22. Montgomery	4,553
23. Carroll	32.1%	2. Talbot	1,023,238	23. Talbot	3,245
24. Calvert	30.0%	1. Worcester	1,185,306	24. Worcester	3,148
<b>Statewide</b>	<b>64.5%</b>	<b>Statewide</b>	<b>\$538,872</b>	<b>Statewide</b>	<b>\$6,742</b>

Note: At-risk student index is a combination of the three at-risk student populations: free and reduced price meals, English learners, and special education

# Layers of Resources

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# 11-Yr Local Enrollment and Wealth Trend

Fiscal 2008 - 2019

County	Full Time Equivalent Enrollment			Wealth			Wealth per pupil		
	FY 2008	FY 2019	Avg. Annual Change	FY 2008	FY 2019	Avg. Annual Change	FY 2008	FY 2019	Avg. Annual Change
Allegany	9,081	8,166	-1.0%	\$1,931,761,293	\$2,512,410,789	2.4%	\$212,726	\$307,658	3.4%
Anne Arundel	71,683	80,350	1.0%	36,218,557,894	51,015,963,910	3.2%	505,264	634,920	2.1%
Baltimore City	80,655	74,853	-0.7%	16,679,733,057	25,587,904,312	4.0%	206,803	341,842	4.7%
Baltimore	101,716	109,343	0.7%	41,135,261,393	53,570,831,528	2.4%	404,412	489,936	1.8%
Calvert	17,015	15,435	-0.9%	5,888,650,271	7,688,465,561	2.5%	346,096	498,135	3.4%
Caroline	5,309	5,469	0.3%	1,230,927,951	1,533,187,180	2.0%	231,857	280,341	1.7%
Carroll	28,319	24,935	-1.2%	9,535,313,583	12,488,254,284	2.5%	336,711	500,837	3.7%
Cecil	15,923	14,782	-0.7%	4,697,568,388	5,994,845,717	2.2%	295,018	405,544	2.9%
Charles	25,797	26,085	0.1%	7,833,568,195	10,591,086,127	2.8%	303,665	406,022	2.7%
Dorchester	4,458	4,526	0.1%	1,351,947,297	1,615,892,665	1.6%	303,280	357,024	1.5%
Frederick	39,338	40,752	0.3%	13,503,516,346	18,356,813,291	2.8%	343,269	450,452	2.5%
Garrett	4,518	3,649	-1.9%	1,723,337,154	2,313,101,395	2.7%	381,459	633,944	4.7%
Harford	38,620	36,877	-0.4%	12,643,742,395	17,873,597,014	3.2%	327,391	484,688	3.6%
Howard	48,107	55,372	1.3%	21,965,423,561	31,815,054,766	3.4%	456,593	574,572	2.1%
Kent	2,220	1,866	-1.6%	1,186,196,189	1,557,036,268	2.5%	534,323	834,425	4.1%
Montgomery	134,631	156,995	1.4%	84,096,145,955	110,510,052,629	2.5%	624,642	703,908	1.1%
Prince George's	124,711	127,013	0.2%	36,720,832,149	52,193,029,722	3.2%	294,447	410,927	3.1%
Queen Anne's	7,432	7,536	0.1%	3,447,646,199	4,506,675,346	2.5%	463,923	598,020	2.3%
St. Mary's	15,830	17,155	0.7%	4,989,050,509	7,664,231,062	4.0%	315,174	446,770	3.2%
Somerset	2,758	2,697	-0.2%	676,232,861	795,067,311	1.5%	245,190	294,797	1.7%
Talbot	4,223	4,406	0.4%	3,548,866,059	4,287,844,670	1.7%	840,316	973,294	1.3%
Washington	21,066	21,901	0.4%	6,210,911,739	7,773,603,630	2.1%	294,838	354,943	1.7%
Wicomico	13,839	14,341	0.3%	3,570,979,940	4,072,824,511	1.2%	258,047	283,994	0.9%
Worcester	6,486	6,304	-0.3%	6,741,250,818	7,342,802,755	0.8%	1,039,354	1,164,785	1.0%
<b>Statewide</b>	<b>823,732</b>	<b>860,806</b>	<b>0.4%</b>	<b>\$327,527,421,196</b>	<b>\$443,660,576,443</b>	<b>2.8%</b>	<b>\$397,614</b>	<b>\$515,402</b>	<b>2.4%</b>

Note: September Net Taxable Income is used each year.

# Change in Full-time Equivalent (FTE) Student Enrollment

September 2016 (Fiscal 2018) and September 2017 (Fiscal 2019)

County	Fiscal 2018	Fiscal 2019	% Diff.	Ranking by FTE Enrollment Growth	Ranking by Percent Difference		
Allegany	8,183	8,166	-0.2%	1. Montgomery	2,409	1. Charles	2.2%
Anne Arundel	78,814	80,350	1.9%	2. Prince George's	2,227	2. Howard	2.0%
Baltimore City	76,629	74,853	-2.3%	3. Anne Arundel	1,536	3. Talbot	2.0%
Baltimore	108,131	109,343	1.1%	4. Baltimore	1,212	4. Anne Arundel	1.9%
Calvert	15,512	15,435	-0.5%	5. Howard	1,091	5. Frederick	1.9%
Caroline	5,388	5,469	1.5%	6. Frederick	761	6. Prince George's	1.8%
Carroll	24,861	24,935	0.3%	7. Charles	564	7. Montgomery	1.6%
Cecil	14,975	14,782	-1.3%	8. Harford	287	8. Caroline	1.5%
Charles	25,521	26,085	2.2%	9. Talbot	86	9. Baltimore	1.1%
Dorchester	4,545	4,526	-0.4%	10. Caroline	81	10. Queen Anne's	1.0%
Frederick	39,991	40,752	1.9%	11. Carroll	74	11. Harford	0.8%
Garrett	3,638	3,649	0.3%	12. Queen Anne's	74	12. Carroll	0.3%
Harford	36,590	36,877	0.8%	13. St. Mary's	27	13. Garrett	0.3%
Howard	54,281	55,372	2.0%	14. Worcester	12	14. Worcester	0.2%
Kent	1,893	1,866	-1.4%	15. Garrett	11	15. St. Mary's	0.2%
Montgomery	154,586	156,995	1.6%	16. Washington	9	16. Washington	0.0%
Prince George's	124,786	127,013	1.8%	17. Wicomico	1	17. Wicomico	0.0%
Queen Anne's	7,462	7,536	1.0%	18. Allegany	-17	18. Allegany	-0.2%
St. Mary's	17,128	17,155	0.2%	19. Dorchester	-19	19. Dorchester	-0.4%
Somerset	2,763	2,697	-2.4%	20. Kent	-27	20. Calvert	-0.5%
Talbot	4,320	4,406	2.0%	21. Somerset	-66	21. Cecil	-1.3%
Washington	21,892	21,901	0.0%	22. Calvert	-77	22. Kent	-1.4%
Wicomico	14,341	14,341	0.0%	23. Cecil	-193	23. Baltimore City	-2.3%
Worcester	6,292	6,304	0.2%	24. Baltimore City	-1,776	24. Somerset	-2.4%
<b>Total</b>	<b>852,520</b>	<b>860,806</b>	<b>1.0%</b>	<b>Statewide</b>	<b>8,286</b>	<b>Statewide</b>	<b>1.0%</b>

Note: The September 2016 student enrollment count is used to allocate State funding in fiscal 2018. The September 2017 student enrollment count is used to allocate State funding in fiscal 2019.



# Per Pupil Wealth Amount Used to Allocate State Education Aid

County	<i>Per Pupil Property Wealth</i>					<i>Per Pupil Income Wealth</i>				
	Fiscal 2018	Fiscal 2019	% Change	% Ch. Rank	Wealth Rank	Fiscal 2018	Fiscal 2019	% Change	% Ch. Rank	Wealth Rank
Allegany	\$196,161	\$196,967	0.4%	20	22	\$114,893	\$114,174	-0.6%	16	20
Anne Arundel	428,712	436,342	1.8%	14	6	221,335	226,607	2.4%	8	4
Baltimore City	218,376	227,274	4.1%	2	20	122,403	129,374	5.7%	1	17
Baltimore	306,619	313,744	2.3%	7	11	209,005	204,808	-2.0%	21	6
Calvert	333,847	341,508	2.3%	8	9	162,671	166,857	2.6%	6	12
Caroline	195,397	193,473	-1.0%	23	23	89,848	92,080	2.5%	7	23
Carroll	309,176	315,740	2.1%	11	10	191,185	195,558	2.3%	9	7
Cecil	264,947	274,019	3.4%	3	16	133,793	138,270	3.3%	4	15
Charles	272,539	271,087	-0.5%	22	17	141,510	142,349	0.6%	15	14
Dorchester	256,384	257,378	0.4%	21	18	102,912	106,029	3.0%	5	22
Frederick	283,797	290,171	2.2%	9	14	169,313	172,020	1.6%	13	11
Garrett	511,256	515,338	0.8%	19	4	127,341	124,332	-2.4%	22	18
Harford	307,002	312,990	2.0%	13	12	178,297	181,912	2.0%	10	10
Howard	366,368	374,574	2.2%	10	8	227,569	224,701	-1.3%	20	5
Kent	624,690	635,563	1.7%	15	3	231,412	228,998	-1.0%	19	3
Montgomery	475,904	485,536	2.0%	12	5	276,550	274,405	-0.8%	17	1
Prince George's	274,108	287,730	5.0%	1	15	131,317	130,241	-0.8%	18	16
Queen Anne's	421,486	426,647	1.2%	18	7	184,898	195,089	5.5%	2	8
St. Mary's	289,796	294,007	1.5%	17	13	158,779	161,888	2.0%	11	13
Somerset	210,398	215,377	2.4%	5	21	81,244	84,618	4.2%	3	24
Talbot	782,150	765,485	-2.1%	24	2	272,559	257,752	-5.4%	24	2
Washington	234,485	238,210	1.6%	16	19	122,316	123,090	0.6%	14	19
Wicomico	174,385	178,724	2.5%	4	24	109,394	111,371	1.8%	12	21
Worcester	969,320	992,100	2.4%	6	1	200,398	193,205	-3.6%	23	9
<b>Total</b>	<b>\$340,608</b>	<b>\$349,286</b>	<b>2.5%</b>			<b>\$188,737</b>	<b>\$189,586</b>	<b>0.4%</b>		

# Total Wealth Per Pupil for State Education Aid Programs

Fiscal 2018 and 2019

County	Fiscal 2018	Fiscal 2019	%	<u>Ranking by Per Pupil Wealth</u>		<u>Ranking by Percent Difference</u>	
Allegany	\$311,055	\$311,141	0.0%	1. Worcester	\$1,185,306	1. Baltimore City	4.7%
Anne Arundel	650,047	662,949	2.0%	2. Talbot	1,023,238	2. Cecil	3.4%
Baltimore City	340,780	356,648	4.7%	3. Kent	864,560	3. Prince George's	3.1%
Baltimore	515,624	518,552	0.6%	4. Montgomery	759,941	4. Somerset	2.9%
Calvert	496,518	508,365	2.4%	5. Anne Arundel	662,949	5. Queen Anne's	2.5%
Caroline	285,245	285,553	0.1%	6. Garrett	639,670	6. Calvert	2.4%
Carroll	500,361	511,298	2.2%	7. Queen Anne's	621,736	7. Wicomico	2.2%
Cecil	398,741	412,290	3.4%	8. Howard	599,275	8. Carroll	2.2%
Charles	414,050	413,436	-0.1%	9. Baltimore	518,552	9. Frederick	2.0%
Dorchester	359,296	363,407	1.1%	10. Carroll	511,298	10. Anne Arundel	2.0%
Frederick	453,109	462,192	2.0%	11. Calvert	508,365	11. Harford	2.0%
Garrett	638,598	639,670	0.2%	12. Harford	494,902	12. St. Mary's	1.6%
Harford	485,299	494,902	2.0%	13. Frederick	462,192	13. Worcester	1.3%
Howard	593,937	599,275	0.9%	14. St. Mary's	455,895	14. Washington	1.3%
Kent	856,102	864,560	1.0%	15. Prince George's	417,971	15. Dorchester	1.1%
Montgomery	752,454	759,941	1.0%	16. Charles	413,436	16. Montgomery	1.0%
Prince George's	405,426	417,971	3.1%	17. Cecil	412,290	17. Kent	1.0%
Queen Anne's	606,384	621,736	2.5%	18. Dorchester	363,407	18. Howard	0.9%
St. Mary's	448,575	455,895	1.6%	19. Washington	361,300	19. Baltimore	0.6%
Somerset	291,642	299,995	2.9%	20. Baltimore City	356,648	20. Garrett	0.2%
Talbot	1,054,710	1,023,238	-3.0%	21. Allegany	311,141	21. Caroline	0.1%
Washington	356,801	361,300	1.3%	22. Somerset	299,995	22. Allegany	0.0%
Wicomico	283,779	290,096	2.2%	23. Wicomico	290,096	23. Charles	-0.1%
Worcester	1,169,718	1,185,306	1.3%	24. Caroline	285,553	24. Talbot	-3.0%
<b>Total</b>	<b>\$529,345</b>	<b>\$538,872</b>	<b>1.8%</b>	<b>Statewide</b>	<b>\$538,872</b>	<b>Statewide</b>	<b>1.8%</b>

**Total Wealth Amount Used to Allocate State Education Aid**  
(\$ in Thousands)

County	<i>Property Wealth Amount</i>				<i>Income Wealth Amount</i>				<i>Total Wealth Amount</i>			
	Fiscal 2018	Fiscal 2019	Change %	Rank	Fiscal 2018	Fiscal 2019	Change %	Rank	Fiscal 2018	Fiscal 2019	Change %	Rank
Allegany	\$1,605,140	\$1,608,482	0.2%	21	\$940,141	\$932,374	-0.8%	19	\$2,545,281	\$2,540,856	-0.2%	22
Anne Arundel	33,788,650	35,060,204	3.8%	4	17,444,337	18,207,901	4.4%	2	51,232,987	53,268,104	4.0%	2
Baltimore City	16,733,889	17,012,149	1.7%	15	9,379,626	9,683,998	3.2%	5	26,113,515	26,696,146	2.2%	9
Baltimore	33,154,906	34,305,562	3.5%	6	22,599,795	22,394,212	-0.9%	20	55,754,701	56,699,775	1.7%	15
Calvert	5,178,544	5,271,011	1.8%	13	2,523,319	2,575,352	2.1%	11	7,701,863	7,846,363	1.9%	13
Caroline	1,052,798	1,058,106	0.5%	19	484,103	503,585	4.0%	3	1,536,901	1,561,690	1.6%	16
Carroll	7,686,281	7,872,902	2.4%	10	4,752,945	4,876,180	2.6%	9	12,439,226	12,749,082	2.5%	8
Cecil	3,967,586	4,050,625	2.1%	12	2,003,557	2,043,943	2.0%	12	5,971,143	6,094,568	2.1%	11
Charles	6,955,543	7,071,293	1.7%	14	3,611,525	3,713,180	2.8%	7	10,567,067	10,784,473	2.1%	12
Dorchester	1,165,139	1,164,894	0.0%	22	467,682	479,888	2.6%	8	1,632,821	1,644,782	0.7%	19
Frederick	11,349,242	11,825,056	4.2%	3	6,770,946	7,010,177	3.5%	4	18,120,188	18,835,232	3.9%	3
Garrett	1,859,951	1,880,338	1.1%	18	463,267	453,658	-2.1%	21	2,323,218	2,333,996	0.5%	20
Harford	11,233,117	11,541,965	2.7%	7	6,523,851	6,708,274	2.8%	6	17,756,968	18,250,239	2.8%	6
Howard	19,886,806	20,740,822	4.3%	2	12,352,695	12,442,098	0.7%	17	32,239,501	33,182,920	2.9%	5
Kent	1,182,539	1,185,960	0.3%	20	438,063	427,310	-2.5%	22	1,620,602	1,613,270	-0.5%	23
Montgomery	73,568,283	76,226,663	3.6%	5	42,750,818	43,080,199	0.8%	16	116,319,101	119,306,862	2.6%	7
Prince George's	34,204,935	36,545,361	6.8%	1	16,386,605	16,542,268	0.9%	15	50,591,540	53,087,628	4.9%	1
Queen Anne's	3,145,235	3,215,211	2.2%	11	1,379,754	1,470,190	6.6%	1	4,524,988	4,685,401	3.5%	4
St. Mary's	4,963,478	5,043,621	1.6%	17	2,719,489	2,777,140	2.1%	10	7,682,967	7,820,761	1.8%	14
Somerset	581,329	580,873	-0.1%	23	224,478	228,214	1.7%	14	805,807	809,087	0.4%	21
Talbot	3,378,499	3,372,346	-0.2%	24	1,177,320	1,135,528	-3.5%	24	4,555,819	4,507,874	-1.1%	24
Washington	5,133,410	5,217,034	1.6%	16	2,677,765	2,695,802	0.7%	18	7,811,175	7,912,836	1.3%	18
Wicomico	2,500,817	2,563,132	2.5%	9	1,568,792	1,597,205	1.8%	13	4,069,609	4,160,337	2.2%	10
Worcester	6,098,960	6,254,200	2.5%	8	1,260,904	1,217,967	-3.4%	23	7,359,864	7,472,167	1.5%	17
<b>Total</b>	<b>\$290,375,076</b>	<b>\$300,667,809</b>	<b>3.5%</b>		<b>\$160,901,777</b>	<b>\$163,196,644</b>	<b>1.4%</b>		<b>\$451,276,853</b>	<b>\$463,864,453</b>	<b>2.8%</b>	

# Calculation of Income Wealth

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- An add-on grant for Net Taxable Income (NTI) was enacted in 2013 in reaction to the IRS altering the filing extension deadline to Nov. 1
  - After a phase-in period the grant now provides 100% of the *greater of* State education aid resulting from using either Sept. 1 or Nov. 1
- APA recommended eliminating the add-on grant and shifting permanently to using *only* Nov. 1 NTI as it fully captures a jurisdiction's income wealth
- DLS concurs

# Income Wealth

## Fiscal 2019

<b>County</b>	<b>September NTI</b>	<b>November NTI</b>	<b>Difference</b>	<b>Rank</b>	<b>% Difference</b>	<b>Rank</b>
Allegany	\$903,928,689	\$932,374,250	\$28,445,561	22	3.1%	24
Anne Arundel	15,955,760,310	18,207,900,683	2,252,140,373	3	14.1%	5
Baltimore City	8,575,755,512	9,683,997,617	1,108,242,105	5	12.9%	7
Baltimore	19,265,269,228	22,394,212,484	3,128,943,256	2	16.2%	3
Calvert	2,417,454,461	2,575,352,298	157,897,837	13	6.5%	12
Caroline	475,081,480	503,584,588	28,503,108	21	6.0%	14
Carroll	4,615,352,284	4,876,179,793	260,827,509	9	5.7%	19
Cecil	1,944,221,017	2,043,943,283	99,722,266	17	5.1%	22
Charles	3,519,792,727	3,713,179,866	193,387,139	11	5.5%	20
Dorchester	450,998,865	479,888,016	28,889,151	20	6.4%	13
Frederick	6,531,757,691	7,010,176,569	478,418,878	7	7.3%	10
Garrett	432,762,995	453,658,047	20,895,052	23	4.8%	23
Harford	6,331,631,714	6,708,274,038	376,642,324	8	5.9%	16
Howard	11,074,232,966	12,442,098,451	1,367,865,485	4	12.4%	8
Kent	371,076,468	427,309,989	56,233,521	19	15.2%	4
Montgomery	34,283,389,529	43,080,199,164	8,796,809,635	1	25.7%	1
Prince George's	15,647,669,022	16,542,267,505	894,598,483	6	5.7%	18
Queen Anne's	1,291,464,246	1,470,190,122	178,725,876	12	13.8%	6
St. Mary's	2,620,610,062	2,777,140,482	156,530,420	14	6.0%	15
Somerset	214,194,611	228,214,303	14,019,692	24	6.5%	11
Talbot	915,498,670	1,135,527,950	220,029,280	10	24.0%	2
Washington	2,556,569,930	2,695,802,330	139,232,400	15	5.4%	21
Wicomico	1,509,692,111	1,597,204,733	87,512,622	18	5.8%	17
Worcester	1,088,602,655	1,217,967,336	129,364,681	16	11.9%	9
<b>Total</b>	<b>\$142,992,767,243</b>	<b>\$163,196,643,897</b>	<b>\$20,203,876,654</b>		<b>14.1%</b>	

# Income Wealth

## Wealth-Adjusted Direct Education Aid – Fiscal 2019

County	Wealth-Adjusted Direct Aid		Difference	Greater of Sept. and Nov.	NTI Grants	Hold Harmless Impact
	September NTI	November NTI			Difference vs. Sept.	
Allegany	\$72,832,158	\$74,898,117	\$2,065,959	\$74,898,117	\$2,065,959	\$0
Anne Arundel	318,741,754	319,206,338	464,584	319,206,338	464,584	0
Baltimore City	734,695,138	733,013,759	-1,681,379	734,695,138	0	1,681,379
Baltimore	615,864,785	607,016,879	-8,847,906	615,864,785	0	8,847,906
Calvert	69,641,627	71,110,061	1,468,434	71,110,061	1,468,434	0
Caroline	50,204,729	51,116,369	911,640	51,116,369	911,640	0
Carroll	113,314,110	115,683,546	2,369,436	115,683,546	2,369,436	0
Cecil	95,371,833	98,342,824	2,970,991	98,342,824	2,970,991	0
Charles	160,090,289	165,702,394	5,612,105	165,702,394	5,612,105	0
Dorchester	37,391,581	38,267,028	875,447	38,267,028	875,447	0
Frederick	219,902,260	222,860,133	2,957,873	222,860,133	2,957,873	0
Garrett	15,221,150	15,774,895	553,745	15,774,895	553,745	0
Harford	187,249,952	190,860,677	3,610,725	190,860,677	3,610,725	0
Howard	226,394,415	226,837,701	443,286	226,837,701	443,286	0
Kent	5,933,991	6,030,133	96,142	6,030,133	96,142	0
Montgomery	607,287,680	582,608,325	-24,679,355	607,287,680	0	24,679,355
Prince George's	979,659,361	1,008,947,846	29,288,485	1,008,947,846	29,288,485	0
Queen Anne's	29,950,487	30,124,315	173,828	30,124,315	173,828	0
St. Mary's	93,169,179	94,814,855	1,645,676	94,814,855	1,645,676	0
Somerset	27,816,766	28,419,864	603,098	28,419,864	603,098	0
Talbot	11,954,100	11,954,100	0	11,954,100	0	0
Washington	164,566,028	168,637,681	4,071,653	168,637,681	4,071,653	0
Wicomico	138,305,132	140,645,843	2,340,711	140,645,843	2,340,711	0
Worcester	15,991,113	15,991,113	0	15,991,113	0	0
<b>Total</b>	<b>\$4,991,549,618</b>	<b>\$5,018,864,796</b>	<b>\$27,315,178</b>	<b>\$5,054,073,436</b>	<b>\$62,523,818</b>	<b>\$35,208,640</b>

# Net Taxable Income Adjustment

## Foundation Local Share vs. Required Maintenance of Effort (MOE) – Fiscal 2019

County	Foundation Local Share		Required MOE <sup>1</sup>	MOE over Nov. Local Share	% MOE Over Nov. Local Share
	September NTI	November NTI			
Allegany	\$17,219,812	\$16,656,330	\$30,362,959	\$13,706,629	82.3%
Anne Arundel	349,658,315	349,193,731	670,593,776	321,400,045	92.0%
Baltimore City	175,376,937	175,003,918	276,039,826	101,035,908	57.7%
Baltimore	367,169,122	371,689,704	786,901,647	415,211,943	111.7%
Calvert	52,695,974	51,436,051	120,663,565	69,227,514	134.6%
Caroline	10,508,312	10,237,505	14,435,367	4,197,862	41.0%
Carroll	85,593,246	83,575,331	187,295,122	103,719,791	124.1%
Cecil	41,088,073	39,952,331	80,443,364	40,491,033	101.3%
Charles	72,590,245	70,696,536	179,385,956	108,689,420	153.7%
Dorchester	11,075,167	10,782,203	19,252,162	8,469,959	78.6%
Frederick	125,815,763	123,472,481	265,180,206	141,707,725	114.8%
Garrett	15,853,766	15,300,280	27,449,975	12,149,695	79.4%
Harford	122,503,847	119,637,619	240,586,434	120,948,815	101.1%
Howard	218,057,204	217,527,315	575,920,560	358,393,245	164.8%
Kent	10,671,771	10,575,629	16,891,515	6,315,886	59.7%
Montgomery	757,424,850	782,104,205	1,690,043,057	907,938,852	116.1%
Prince George's	357,725,806	348,010,638	681,187,984	333,177,346	95.7%
Queen Anne's	30,888,302	30,714,679	56,884,381	26,169,702	85.2%
St. Mary's	52,529,873	51,268,220	102,352,525	51,084,305	99.6%
Somerset	5,449,312	5,303,889	9,651,555	4,347,666	82.0%
Talbot	29,388,459	29,550,917	37,613,485	8,062,568	27.3%
Washington	53,279,502	51,871,805	98,300,752	46,428,947	89.5%
Wicomico	27,914,732	27,272,674	43,664,012	16,391,338	60.1%
Worcester	50,326,836	48,983,046	85,122,472	36,139,426	73.8%
<b>Total</b>	<b>\$3,040,805,226</b>	<b>\$3,040,817,037</b>	<b>\$6,296,222,656</b>	<b>\$3,255,405,619</b>	<b>107.1%</b>

<sup>1</sup> Baltimore City MOE is an unofficial estimate.

# Current Law Calculation of Property Wealth

Fiscal 2019

(\$ in Thousands)

<u>County</u>	<u>Personal Prop. (County Base)</u>		<u>Real Prop. (State Base)</u>			<u>Total</u>
	<u>Subtotal</u>	<u>50% of Subtotal</u>	<u>Subtotal</u>	<u>40% of Subtotal</u>	<u>100% of Utility Operating</u>	
Allegany	\$331,503	\$165,752	\$3,587,039	\$1,434,816	\$7,915	\$1,608,482
Anne Arundel	2,572,266	1,286,133	84,320,359	33,728,144	45,927	35,060,204
Baltimore City	2,337,652	1,168,826	39,239,232	15,695,693	147,630	17,012,149
Baltimore	3,290,725	1,645,363	81,377,937	32,551,175	109,025	34,305,562
Calvert	953,483	476,742	11,706,744	4,682,698	111,572	5,271,011
Caroline	114,547	57,274	2,488,938	995,575	5,257	1,058,106
Carroll	591,576	295,788	18,909,210	7,563,684	13,430	7,872,902
Cecil	416,339	208,170	9,568,593	3,827,437	15,018	4,050,625
Charles	523,830	261,915	16,935,611	6,774,244	35,134	7,071,293
Dorchester	116,548	58,274	2,761,007	1,104,403	2,217	1,164,894
Frederick	360,336	180,168	29,035,294	11,614,118	30,770	11,825,056
Garrett	229,220	114,610	4,317,596	1,727,038	38,690	1,880,338
Harford	1,279,253	639,627	27,157,007	10,862,803	39,536	11,541,965
Howard	1,629,804	814,902	49,724,982	19,889,993	35,927	20,740,822
Kent	44,696	22,348	2,903,727	1,161,491	2,121	1,185,960
Montgomery	4,049,561	2,024,781	185,211,169	74,084,468	117,415	76,226,663
Prince George's	3,183,701	1,591,851	87,214,638	34,885,855	67,655	36,545,361
Queen Anne's	72,055	36,028	7,936,059	3,174,424	4,760	3,215,211
St. Mary's	287,716	143,858	12,232,580	4,893,032	6,731	5,043,621
Somerset	76,973	38,487	1,352,898	541,159	1,227	580,873
Talbot	61,378	30,689	8,346,640	3,338,656	3,001	3,372,346
Washington	594,847	297,424	12,265,918	4,906,367	13,243	5,217,034
Wicomico	361,448	180,724	5,915,496	2,366,198	16,210	2,563,132
Worcester	354,593	177,297	15,177,924	6,071,170	5,734	6,254,200
<b>TOTAL</b>	<b>\$23,834,050</b>	<b>\$11,917,025</b>	<b>\$719,686,598</b>	<b>\$287,874,639</b>	<b>\$876,145</b>	<b>\$300,667,809</b>



# Tax Increment Financing

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- An add-on grant was enacted in 2016 and made permanent in 2018 - disparity grant counties are held harmless of the wealth impacts of TIF districts created after May 1, 2016 on State education aid
- APA made no specific recommendation
- DLS recommends adjusting for TIF districts in the wealth calculation and eliminating the add-on grant

# Tax Increment Financing Grants

## Fiscal 2019

County	Nov. NTI Wealth	TIF Value* at 40%	TIF-Adjusted Wealth	Major Direct Aid w/ Nov. NTI Wealth	Would Be		Disparity Grant Elig.	TIF Grant
					Difference in State Aid	Would Be % Diff		
Allegany	\$2,540,856,350	\$0	\$2,540,856,350	\$74,898,117	-\$7,499	0.0%	Yes	\$0
Anne Arundel	53,268,104,283	0	53,268,104,283	319,206,338	-15,980	0.0%		0
Baltimore City	26,696,146,417	23,698,562	26,672,447,855	733,013,759	535,131	0.1%	Yes	535,131
Baltimore	56,699,774,784	0	56,699,774,784	607,016,879	-53,661	0.0%		0
Calvert	7,846,363,398	0	7,846,363,398	71,110,061	-4,801	0.0%		0
Caroline	1,561,690,288	0	1,561,690,288	51,116,369	-4,738	0.0%	Yes	0
Carroll	12,749,081,793	0	12,749,081,793	115,683,546	-7,932	0.0%		0
Cecil	6,094,567,983	0	6,094,567,983	98,342,824	-10,100	0.0%	Yes	0
Charles	10,784,473,266	0	10,784,473,266	165,702,394	-17,673	0.0%		0
Dorchester	1,644,781,816	0	1,644,781,816	38,267,028	-4,058	0.0%	Yes	0
Frederick	18,835,232,169	0	18,835,232,169	222,860,133	-15,487	0.0%		0
Garrett	2,333,996,447	0	2,333,996,447	15,774,895	-704	0.0%	Yes	0
Harford	18,250,239,338	0	18,250,239,338	190,860,677	-14,564	0.0%		0
Howard	33,182,920,251	0	33,182,920,251	226,837,701	-12,434	0.0%		0
Kent	1,613,269,789	0	1,613,269,789	6,030,133	-484	0.0%		0
Montgomery	119,306,862,264	0	119,306,862,264	582,608,325	-35,792	0.0%		0
Prince George's	53,087,628,205	0	53,087,628,205	1,008,947,846	-110,617	0.0%	Yes	0
Queen Anne's	4,685,401,222	0	4,685,401,222	30,124,315	-1,460	0.0%		0
St. Mary's	7,820,761,482	0	7,820,761,482	94,814,855	-6,942	0.0%		0
Somerset	809,087,003	0	809,087,003	28,419,864	-3,064	0.0%	Yes	0
Talbot	4,507,873,950	0	4,507,873,950	11,954,100	0	0.0%		0
Washington	7,912,836,030	-12,907	7,912,848,937	168,637,681	-16,657	0.0%	Yes	0
Wicomico	4,160,337,133	0	4,160,337,133	140,645,843	-13,783	0.0%	Yes	0
Worcester	7,472,167,436	0	7,472,167,436	15,991,113	0	0.0%		0
<b>Statewide</b>	<b>\$463,864,453,097</b>	<b>\$23,685,656</b>	<b>\$463,840,767,441</b>	<b>\$5,018,864,796</b>	<b>\$176,701</b>	<b>0.0%</b>		<b>\$535,131</b>

\*\$59,246,406 for Baltimore City; -\$32,267 for Washington County

# Combining Income and Property Wealth

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- Current law – NTI plus property wealth (additive)
- APA recommended a multiplicative approach – property wealth multiplied by an NTI ratio – which has the impact of weighting NTI more heavily
- DLS recommends – if there is interest in modifying the wealth calculation – to use the current additive method and reweight the proportion of income and wealth to reflect the proportion of actual revenues collected by the counties
  - This weights property wealth *less* than current law

# Putting Income and Property Wealth Together

Fiscal 2019

(\$ Thousands)

County	Property Based Wealth	Income Based Wealth <sup>1</sup>	Total	Percent Property	Percent Income	<u>Percent Property</u>	
Allegany	\$1,608,482	\$932,374	\$2,540,856	63.3%	36.7%	1. Worcester	83.7%
Anne Arundel	35,060,204	18,207,901	53,268,104	65.8%	34.2%	2. Garrett	80.6%
Baltimore City	17,012,149	9,683,998	26,696,146	63.7%	36.3%	3. Talbot	74.8%
Baltimore	34,305,562	22,394,212	56,699,775	60.5%	39.5%	4. Kent	73.5%
Calvert	5,271,011	2,575,352	7,846,363	67.2%	32.8%	5. Somerset	71.8%
Caroline	1,058,106	503,585	1,561,690	67.8%	32.2%	6. Dorchester	70.8%
Carroll	7,872,902	4,876,180	12,749,082	61.8%	38.2%	7. Prince George's	68.8%
Cecil	4,050,625	2,043,943	6,094,568	66.5%	33.5%	8. Queen Anne's	68.6%
Charles	7,071,293	3,713,180	10,784,473	65.6%	34.4%	9. Caroline	67.8%
Dorchester	1,164,894	479,888	1,644,782	70.8%	29.2%	10. Calvert	67.2%
Frederick	11,825,056	7,010,177	18,835,232	62.8%	37.2%	11. Cecil	66.5%
Garrett	1,880,338	453,658	2,333,996	80.6%	19.4%	12. Washington	65.9%
Harford	11,541,965	6,708,274	18,250,239	63.2%	36.8%	13. Anne Arundel	65.8%
Howard	20,740,822	12,442,098	33,182,920	62.5%	37.5%	14. Charles	65.6%
Kent	1,185,960	427,310	1,613,270	73.5%	26.5%	15. St. Mary's	64.5%
Montgomery	76,226,663	43,080,199	119,306,862	63.9%	36.1%	16. Montgomery	63.9%
Prince George's	36,545,361	16,542,268	53,087,628	68.8%	31.2%	17. Baltimore City	63.7%
Queen Anne's	3,215,211	1,470,190	4,685,401	68.6%	31.4%	18. Allegany	63.3%
St. Mary's	5,043,621	2,777,140	7,820,761	64.5%	35.5%	19. Harford	63.2%
Somerset	580,873	228,214	809,087	71.8%	28.2%	20. Frederick	62.8%
Talbot	3,372,346	1,135,528	4,507,874	74.8%	25.2%	21. Howard	62.5%
Washington	5,217,034	2,695,802	7,912,836	65.9%	34.1%	22. Carroll	61.8%
Wicomico	2,563,132	1,597,205	4,160,337	61.6%	38.4%	23. Wicomico	61.6%
Worcester	6,254,200	1,217,967	7,472,167	83.7%	16.3%	24. Baltimore	60.5%
<b>Statewide</b>	<b>\$300,667,809</b>	<b>\$163,196,644</b>	<b>\$463,864,453</b>	<b>64.8%</b>	<b>35.2%</b>		

<sup>1</sup> November Net Taxable Income

# APA Recommended A Multiplicative Calculation of Wealth

Fiscal 2019  
(\$ Thousands)

County	Property Based Wealth	Income Based Wealth <sup>1</sup>	Sept of 17 FTE	Per Pupil Inc. Wealth	Inc. Ratio vs. Statewide	Local Wealth =		PPW Ratio
						Inc. Ratio x Prop. Wealth	Per Pupil Wealth (PPW)	
Allegany	\$1,608,482	\$932,374	8,166	\$114	0.60	\$968,674	\$119	0.32
Anne Arundel	35,060,204	18,207,901	80,350	227	1.20	41,906,464	522	1.39
Baltimore City	17,012,149	9,683,998	74,853	129	0.68	11,609,101	155	0.41
Baltimore	34,305,562	22,394,212	109,343	205	1.08	37,059,988	339	0.91
Calvert	5,271,011	2,575,352	15,435	167	0.88	4,639,081	301	0.80
Caroline	1,058,106	503,585	5,469	92	0.49	513,911	94	0.25
Carroll	7,872,902	4,876,180	24,935	196	1.03	8,120,887	326	0.87
Cecil	4,050,625	2,043,943	14,782	138	0.73	2,954,230	200	0.53
Charles	7,071,293	3,713,180	26,085	142	0.75	5,309,430	204	0.54
Dorchester	1,164,894	479,888	4,526	106	0.56	651,487	144	0.38
Frederick	11,825,056	7,010,177	40,752	172	0.91	10,729,443	263	0.70
Garrett	1,880,338	453,658	3,649	124	0.66	1,233,146	338	0.90
Harford	11,541,965	6,708,274	36,877	182	0.96	11,074,772	300	0.80
Howard	20,740,822	12,442,098	55,372	225	1.19	24,582,457	444	1.19
Kent	1,185,960	427,310	1,866	229	1.21	1,432,502	768	2.05
Montgomery	76,226,663	43,080,199	156,995	274	1.45	110,329,773	703	1.88
Prince George's	36,545,361	16,542,268	127,013	130	0.69	25,105,791	198	0.53
Queen Anne's	3,215,211	1,470,190	7,536	195	1.03	3,308,537	439	1.17
St. Mary's	5,043,621	2,777,140	17,155	162	0.85	4,306,752	251	0.67
Somerset	580,873	228,214	2,697	85	0.45	259,261	96	0.26
Talbot	3,372,346	1,135,528	4,406	258	1.36	4,584,888	1,041	2.78
Washington	5,217,034	2,695,802	21,901	123	0.65	3,387,207	155	0.41
Wicomico	2,563,132	1,597,205	14,341	111	0.59	1,505,700	105	0.28
Worcester	6,254,200	1,217,967	6,304	193	1.02	6,373,605	1,011	2.70
<b>Statewide</b>	<b>\$300,667,809</b>	<b>\$163,196,644</b>	<b>860,806</b>	<b>\$190</b>	<b>1.00</b>	<b>\$321,947,085</b>	<b>\$374</b>	<b>1.00</b>

<sup>1</sup> November Net Taxable Income

# Comparing Current Law to Multiplicative Wealth - Fiscal 2019

(\$ Thousands)

County	Curr. Law Total	Multiplic. Total	Curr. Law PPW	Multiplic. PPW	Curr. Law PPW Ratio	Multiplic. PPW Ratio	Diff. PPW Ratio	% Diff.
Allegany	\$2,540,856	\$968,674	\$311	\$119	0.58	0.32	-0.26	-45%
Anne Arundel	53,268,104	41,906,464	663	522	1.23	1.39	0.16	13%
Baltimore City	26,696,146	11,609,101	357	155	0.66	0.41	-0.25	-37%
Baltimore	56,699,775	37,059,988	519	339	0.96	0.91	-0.06	-6%
Calvert	7,846,363	4,639,081	508	301	0.94	0.80	-0.14	-15%
Caroline	1,561,690	513,911	286	94	0.53	0.25	-0.28	-53%
Carroll	12,749,082	8,120,887	511	326	0.95	0.87	-0.08	-8%
Cecil	6,094,568	2,954,230	412	200	0.77	0.53	-0.23	-30%
Charles	10,784,473	5,309,430	413	204	0.77	0.54	-0.22	-29%
Dorchester	1,644,782	651,487	363	144	0.67	0.38	-0.29	-43%
Frederick	18,835,232	10,729,443	462	263	0.86	0.70	-0.15	-18%
Garrett	2,333,996	1,233,146	640	338	1.19	0.90	-0.28	-24%
Harford	18,250,239	11,074,772	495	300	0.92	0.80	-0.12	-13%
Howard	33,182,920	24,582,457	599	444	1.11	1.19	0.07	7%
Kent	1,613,270	1,432,502	865	768	1.60	2.05	0.45	28%
Montgomery	119,306,862	110,329,773	760	703	1.41	1.88	0.47	33%
Prince George's	53,087,628	25,105,791	418	198	0.78	0.53	-0.25	-32%
Queen Anne's	4,685,401	3,308,537	622	439	1.15	1.17	0.02	2%
St. Mary's	7,820,761	4,306,752	456	251	0.85	0.67	-0.17	-21%
Somerset	809,087	259,261	300	96	0.56	0.26	-0.30	-54%
Talbot	4,507,874	4,584,888	1,023	1,041	1.90	2.78	0.88	47%
Washington	7,912,836	3,387,207	361	155	0.67	0.41	-0.26	-38%
Wicomico	4,160,337	1,505,700	290	105	0.54	0.28	-0.26	-48%
Worcester	7,472,167	6,373,605	1,185	1,011	2.20	2.70	0.50	23%
<b>Statewide</b>	<b>\$463,864,453</b>	<b>\$321,947,085</b>	<b>\$539</b>	<b>\$374</b>	<b>1.00</b>	<b>1.00</b>		

<sup>1</sup> November Net Taxable Income  
PPW is Per Pupil Wealth

# Impact of Multiplicative Wealth on Foundation Program

Fiscal 2019

<b>County</b>	<b>Current</b>	<b>Multiplic.</b>	<b>Diff.</b>	<b>% Diff.</b>	<b><u>Ranking by Percent Diff.</u></b>	
Allegany	\$41,038,226	\$48,545,427	\$7,507,201	18.3%	1. Garrett	34.9%
Anne Arundel	218,480,785	171,867,967	-46,612,818	-21.3%	2. Dorchester	21.8%
Baltimore City	353,832,527	419,188,491	65,355,964	18.5%	3. Somerset	20.8%
Baltimore	400,815,059	422,473,177	21,658,118	5.4%	4. Prince George's	20.2%
Calvert	57,608,692	65,228,624	7,619,932	13.2%	5. Washington	19.3%
Caroline	28,400,980	33,784,600	5,383,620	19.0%	6. Caroline	19.0%
Carroll	92,588,678	99,462,230	6,873,552	7.4%	7. Cecil	18.7%
Cecil	64,484,265	76,533,898	12,049,633	18.7%	8. Baltimore City	18.5%
Charles	113,593,989	134,142,954	20,548,965	18.1%	9. Allegany	18.3%
Dorchester	21,193,987	25,822,897	4,628,910	21.8%	10. Charles	18.1%
Frederick	164,440,399	186,573,296	22,132,897	13.5%	11. Wicomico	17.6%
Garrett	10,478,139	14,131,356	3,653,217	34.9%	12. St. Mary's	15.1%
Harford	140,894,854	155,931,250	15,036,396	10.7%	13. Frederick	13.5%
Howard	173,674,099	159,020,112	-14,653,987	-8.4%	14. Calvert	13.2%
Kent	2,607,661	1,977,494	-630,167	-24.2%	15. Harford	10.7%
Montgomery	327,065,470	166,375,451	-160,690,019	-49.1%	16. Carroll	7.4%
Prince George's	549,334,441	660,220,883	110,886,442	20.2%	17. Baltimore	5.4%
Queen Anne's	22,527,161	21,992,705	-534,456	-2.4%	18. Talbot	0.0%
St. Mary's	69,930,089	80,521,039	10,590,950	15.1%	19. Worcester	0.0%
Somerset	13,750,416	16,605,587	2,855,171	20.8%	20. Queen Anne's	-2.4%
Talbot	4,668,729	4,668,729	0	0.0%	21. Howard	-8.4%
Washington	102,858,760	122,738,399	19,879,639	19.3%	22. Anne Arundel	-21.3%
Wicomico	74,048,257	87,099,591	13,051,334	17.6%	23. Kent	-24.2%
Worcester	6,680,664	6,680,664	0	0.0%	24. Montgomery	-49.1%
<b>Statewide</b>	<b>\$3,054,996,327</b>	<b>\$3,181,586,821</b>	<b>\$126,590,494</b>	<b>4.1%</b>	<b>State</b>	<b>4.1%</b>

Note: Results from using November net taxable income-based wealth

# Major County Government Tax Revenue Sources in Fiscal 2017

(\$ Thousands)

County	Property Taxes	Income Taxes	Total	Percent Property	Percent Income	<u>Percent Property</u>	
Allegany	\$43,084	\$26,435	\$69,519	62.0%	38.0%	1. Worcester	85.1%
Anne Arundel	698,804	491,528	1,190,332	58.7%	41.3%	2. Garrett	80.2%
Baltimore City	842,852	334,851	1,177,703	71.6%	28.4%	3. Baltimore City	71.6%
Baltimore	922,945	697,694	1,620,639	56.9%	43.1%	4. Dorchester	70.8%
Calvert	148,640	77,252	225,892	65.8%	34.2%	5. Somerset	69.9%
Caroline	25,312	13,434	38,746	65.3%	34.7%	6. Kent	69.8%
Carroll	199,486	150,125	349,611	57.1%	42.9%	7. Prince George's	66.5%
Cecil	105,872	57,614	163,486	64.8%	35.2%	8. Calvert	65.8%
Charles	222,773	119,349	342,122	65.1%	34.9%	9. Caroline	65.3%
Dorchester	29,332	12,099	41,431	70.8%	29.2%	10. Charles	65.1%
Frederick	293,125	202,906	496,031	59.1%	40.9%	11. Cecil	64.8%
Garrett	48,837	12,077	60,914	80.2%	19.8%	12. Allegany	62.0%
Harford	298,996	212,689	511,685	58.4%	41.6%	13. Washington	60.9%
Howard	607,249	435,233	1,042,482	58.3%	41.7%	14. Frederick	59.1%
Kent	29,986	12,986	42,973	69.8%	30.2%	15. Anne Arundel	58.7%
Montgomery	1,748,888	1,466,626	3,215,514	54.4%	45.6%	16. Harford	58.4%
Prince George's	1,110,681	559,401	1,670,082	66.5%	33.5%	17. Howard	58.3%
Queen Anne's	66,502	48,578	115,080	57.8%	42.2%	18. Queen Anne's	57.8%
St. Mary's	107,137	88,168	195,305	54.9%	45.1%	19. Carroll	57.1%
Somerset	16,024	6,909	22,932	69.9%	30.1%	20. Baltimore	56.9%
Talbot	36,531	28,008	64,539	56.6%	43.4%	21. Talbot	56.6%
Washington	123,136	78,892	202,028	60.9%	39.1%	22. Wicomico	55.5%
Wicomico	63,378	50,749	114,127	55.5%	44.5%	23. St. Mary's	54.9%
Worcester	130,271	22,892	153,162	85.1%	14.9%	24. Montgomery	54.4%
<b>Statewide</b>	<b>\$7,919,841</b>	<b>\$5,206,496</b>	<b>\$13,126,337</b>	<b>60.3%</b>	<b>39.7%</b>		



## Another Option for Property and Income Wealth Balance (\$ in Thousands)

	Actual Wealth Used for FY 2019 State Aid				Illustrative Shift in Wealth Balance			
	Property Wealth	November NTI	Total	% Property	Property Wealth	November NTI	Total	% Property
Allegany	\$1,608,482	\$932,374	\$2,540,856	63.3%	\$1,306,304	\$932,374	\$2,238,678	58.4%
Anne Arundel	35,060,204	18,207,901	53,268,104	65.8%	28,478,950	18,207,901	46,686,851	61.0%
Baltimore City	17,012,149	9,683,998	26,696,146	63.7%	13,835,441	9,683,998	23,519,439	58.8%
Baltimore	34,305,562	22,394,212	56,699,775	60.5%	27,873,145	22,394,212	50,267,357	55.4%
Calvert	5,271,011	2,575,352	7,846,363	67.2%	4,297,657	2,575,352	6,873,009	62.5%
Caroline	1,058,106	503,585	1,561,690	67.8%	859,981	503,585	1,363,565	63.1%
Carroll	7,872,902	4,876,180	12,749,082	61.8%	6,395,554	4,876,180	11,271,733	56.7%
Cecil	4,050,625	2,043,943	6,094,568	66.5%	3,291,346	2,043,943	5,335,290	61.7%
Charles	7,071,293	3,713,180	10,784,473	65.6%	5,748,740	3,713,180	9,461,919	60.8%
Dorchester	1,164,894	479,888	1,644,782	70.8%	946,163	479,888	1,426,051	66.3%
Frederick	11,825,056	7,010,177	18,835,232	62.8%	9,611,375	7,010,177	16,621,552	57.8%
Garrett	1,880,338	453,658	2,333,996	80.6%	1,533,597	453,658	1,987,255	77.2%
Harford	11,541,965	6,708,274	18,250,239	63.2%	9,377,264	6,708,274	16,085,539	58.3%
Howard	20,740,822	12,442,098	33,182,920	62.5%	16,848,468	12,442,098	29,290,566	57.5%
Kent	1,185,960	427,310	1,613,270	73.5%	963,711	427,310	1,391,021	69.3%
Montgomery	76,226,663	43,080,199	119,306,862	63.9%	61,930,869	43,080,199	105,011,068	59.0%
Prince George's	36,545,361	16,542,268	53,087,628	68.8%	29,685,893	16,542,268	46,228,160	64.2%
Queen Anne's	3,215,211	1,470,190	4,685,401	68.6%	2,612,801	1,470,190	4,082,991	64.0%
St. Mary's	5,043,621	2,777,140	7,820,761	64.5%	4,097,406	2,777,140	6,874,546	59.6%
Somerset	580,873	228,214	809,087	71.8%	471,708	228,214	699,922	67.4%
Talbot	3,372,346	1,135,528	4,507,874	74.8%	2,740,210	1,135,528	3,875,738	70.7%
Washington	5,217,034	2,695,802	7,912,836	65.9%	4,237,605	2,695,802	6,933,407	61.1%
Wicomico	2,563,132	1,597,205	4,160,337	61.6%	2,083,325	1,597,205	3,680,530	56.6%
Worcester	6,254,200	1,217,967	7,472,167	83.7%	5,080,397	1,217,967	6,298,364	80.7%
<b>Total</b>	<b>\$300,667,809</b>	<b>\$163,196,644</b>	<b>\$463,864,453</b>	<b>64.8%</b>	<b>\$244,307,909</b>	<b>\$163,196,644</b>	<b>\$407,504,553</b>	<b>60.0%</b>
<b>% of Total</b>	<b>64.8%</b>	<b>35.2%</b>	<b>100.0%</b>		<b>60.0%</b>	<b>40.0%</b>	<b>100.0%</b>	

# Impact of Rebalancing Wealth on Foundation Program

## Fiscal 2019

County	Current	Rebalanced	Diff.	% Diff.	<u>Ranking by Percent Diff.</u>
Allegany	\$41,038,226	\$40,989,540	-\$48,686	-0.1%	1. Kent 7.5%
Anne Arundel	218,480,785	219,297,236	816,451	0.4%	2. Garrett 4.5%
Baltimore City	353,832,527	353,334,393	-498,134	-0.1%	3. Queen Anne's 1.1%
Baltimore	400,815,059	397,409,745	-3,405,314	-0.8%	4. Dorchester 0.7%
Calvert	57,608,692	57,758,348	149,656	0.3%	5. Somerset 0.6%
Caroline	28,400,980	28,463,561	62,581	0.2%	6. Prince George's 0.6%
Carroll	92,588,678	92,054,334	-534,344	-0.6%	7. Anne Arundel 0.4%
Cecil	64,484,265	64,624,665	140,400	0.2%	8. Calvert 0.3%
Charles	113,593,989	113,685,682	91,693	0.1%	9. Caroline 0.2%
Dorchester	21,193,987	21,334,994	141,007	0.7%	10. Cecil 0.2%
Frederick	164,440,399	163,882,863	-557,536	-0.3%	11. Washington 0.1%
Garrett	10,478,139	10,949,524	471,385	4.5%	12. Charles 0.1%
Harford	140,894,854	140,502,185	-392,669	-0.3%	13. Talbot 0.0%
Howard	173,674,099	172,635,209	-1,038,890	-0.6%	14. Worcester 0.0%
Kent	2,607,661	2,803,494	195,833	7.5%	15. St. Mary's 0.0%
Montgomery	327,065,470	325,577,082	-1,488,388	-0.5%	16. Allegany -0.1%
Prince George's	549,334,441	552,390,547	3,056,106	0.6%	17. Baltimore City -0.1%
Queen Anne's	22,527,161	22,774,559	247,398	1.1%	18. Wicomico -0.3%
St. Mary's	69,930,089	69,900,444	-29,645	0.0%	19. Harford -0.3%
Somerset	13,750,416	13,831,484	81,068	0.6%	20. Frederick -0.3%
Talbot	4,668,729	4,668,729	0	0.0%	21. Montgomery -0.5%
Washington	102,858,760	102,993,478	134,718	0.1%	22. Carroll -0.6%
Wicomico	74,048,257	73,856,815	-191,442	-0.3%	23. Howard -0.6%
Worcester	6,680,664	6,680,664	0	0.0%	24. Baltimore -0.8%
<b>Statewide</b>	<b>\$3,054,996,327</b>	<b>\$3,052,399,575</b>	<b>-\$2,596,752</b>	<b>-0.1%</b>	<b>State -0.1%</b>

Note: Results from using November net taxable income-based wealth

# Declining Enrollment

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- After multiple years of providing grants for counties with declining enrollment, an add-on grant was established for fiscal 2018 through 2020
- The *greater of* the prior year full-time equivalent (FTE) enrollment or the average of the 3 prior years is used to calculate the grant
  - For a county that is experiencing a decline in enrollment, this smooths the decline over time
  - For a county that is growing, the prior year is used thus immediately recognizing the growth
- APA recommended using this “greater of” calculation in the Foundation program
- DLS concurs - and recommends using the “greater of” enrollment count in the Foundation program beginning in fiscal 2021, and allowing the add-on grant to terminate

# Enrollment Methodology Comparison

County	September FTE Counts		Three-Year Average Enrollment	
	Fiscal 2018	Fiscal 2019	Fiscal 2018	Fiscal 2019
Allegany	8,183	8,166	8,267	8,211
Anne Arundel	78,814	80,350	78,049	79,072
Baltimore City	76,629	74,853	77,905	76,355
Baltimore	108,131	109,343	107,046	108,192
Calvert	15,512	15,435	15,558	15,505
Caroline	5,388	5,469	5,328	5,387
Carroll	24,861	24,935	25,176	24,986
Cecil	14,975	14,782	15,002	14,951
Charles	25,521	26,085	25,468	25,692
Dorchester	4,545	4,526	4,540	4,524
Frederick	39,991	40,752	39,679	40,045
Garrett	3,638	3,649	3,677	3,656
Harford	36,590	36,877	36,655	36,700
Howard	54,281	55,372	53,430	54,396
Kent	1,893	1,866	1,925	1,890
Montgomery	154,586	156,995	152,209	154,509
Prince George's	124,786	127,013	123,104	124,902
Queen Anne's	7,462	7,536	7,467	7,487
St. Mary's	17,128	17,155	17,007	17,072
Somerset	2,763	2,697	2,734	2,724
Talbot	4,320	4,406	4,364	4,375
Washington	21,892	21,901	21,786	21,833
Wicomico	14,341	14,341	14,225	14,314
Worcester	6,292	6,304	6,271	6,285
<b>Total</b>	<b>852,520</b>	<b>860,806</b>	<b>846,870</b>	<b>853,062</b>

## Declining Enrollment Grants Bridge to Kirwan

County	Three-Year Average Greater Enrollment		Declining Enrollment Grants	
	Fiscal 2018	Fiscal 2019	Fiscal 2018	Fiscal 2019
Allegany	84	45	\$793,472	\$439,075
Anne Arundel				
Baltimore City	1,276	1,502	13,552,594	15,961,520
Baltimore				
Calvert	47	71	239,758	362,977
Caroline				
Carroll	315	51	1,605,982	263,012
Cecil	27	168	189,967	1,181,310
Charles				
Dorchester				
Frederick				
Garrett	39	8	208,893	41,124
Harford	65		356,298	
Howard				
Kent	32	24	142,181	112,661
Montgomery				
Prince George's				
Queen Anne's	5		21,876	
St. Mary's				
Somerset		27		302,008
Talbot	44		132,961	
Washington				
Wicomico				
Worcester				
<b>Total</b>	<b>1,933</b>	<b>1,896</b>	<b>\$17,243,982</b>	<b>\$18,663,687</b>

## Proposed Enrollment Methodology Effect on Funding

County	Foundation		Geographic Cost of Education Index		Guaranteed Tax Base		Total	
	Fiscal 2018	Fiscal 2019	Fiscal 2018	Fiscal 2019	Fiscal 2018	Fiscal 2019	Fiscal 2018	Fiscal 2019
Allegany	\$589,008	\$317,925	\$0	\$0	\$171,971	\$97,505	\$760,979	\$415,430
Anne Arundel								
Baltimore City	8,948,504	10,611,065	375,838	445,664	1,887,428	2,493,173	11,211,770	13,549,902
Baltimore								
Calvert	326,619	499,283	6,859	10,485			333,478	509,768
Caroline								
Carrroll	2,211,094	361,516	30,955	5,061			2,242,049	366,577
Cecil	188,763	1,189,888			74,034	470,304	262,797	1,660,192
Charles								
Dorchester								
Frederick								
Garrett	271,154	52,987					271,154	52,987
Harford	456,341						456,341	
Howard								
Kent	222,070	169,560	2,221	1,696			224,291	171,256
Montgomery								
Prince George's								
Queen Anne's	33,868		373				34,241	
St. Mary's								
Somerset		189,554				59,705		249,259
Talbot	46,458						46,458	
Washington								
Wicomico								
Worcester								
<b>Total</b>	<b>\$13,293,879</b>	<b>\$13,391,778</b>	<b>\$416,246</b>	<b>\$462,906</b>	<b>\$1,961,462</b>	<b>\$3,023,182</b>	<b>\$15,843,558</b>	<b>\$16,975,371</b>

Note: For these calculations, the local contribution rate for the foundation formula and the average wealth per pupil is calculated using September full-time enrollment. Numbers above reflect wealth using September net taxable income.