

Rationalizing Government Assistance and Subsidies

Absorptive Capacity of Basic Education in the Philippines

Don Brodeth



TAFTCONSULTINGGROUP

Objectives

It is a declared policy of the State . . . to promote and make **quality** education **accessible** to all Filipino citizens . . . the **complementary roles** of public and private educational institutions . . .

--- E-GASTPE Act (RA 8545)

Scope and reach of GASTPE programs (SY 2022-23)

GASTPE program	Number of participating schools	# of beneficiaries	Amounts billed
Educational service contracting (ESC)	3,627	922K	Php 8.8B
Teacher salary subsidy (TSS)	3,533	49K teachers	Php 0.9B
Senior high school voucher program (SHS VP)	4,547	1,355K	Php 23.5B
Joint delivery voucher program (JDVP)	1,562 (public schools)	92K	Php 1.2B (SY 2020-21)

Others: INSET, RISE, TES

Previous studies

- **ESC**
 - Rationalizing ESC slot allocations and subsidies (2016)
 - Overhauling the ESC (2020)
- **TSS**
 - TSS policy note (2017)
- **Others**
 - PEAC billing process audit (2017)
 - Differentiated support for marginalized groups (2021)
- **SHS VP**
 - Monitoring and improving SHS VP Processes at PEAC (2017)
 - Migration patterns and factors affecting participation (2018)
 - Costing SHS (2018)
 - Preferences in SHS (2018)
 - Qualifying SHS VP applicants (2020)

Ongoing studies



Literature review on Philippine private education



Absorptive capacity of basic education in the Philippines

Absorptive Capacity of Basic Education in the Philippines

A study commissioned by the PEAC



Objective

Estimate the absorptive capacity (overcrowding) by school type and level at each DepEd division

Significance

- Lead to a more targeted school-building program by DepEd
- Influence policy on public-private complementarity (e.g. GASTPE)
- Inform planning at a more granular/ localized level.

House panel OKs bill expanding DepEd's largest private school scholarship program

[Cristina Chi](#) - Philstar.com

November 20, 2023 | 4:08pm



Research questions

What is the extent of aisle learners/ excess capacity of public schools?

What is the extent of aisle learners/ excess capacity of private schools?

What is the extent of aisle learners/ excess capacity in GASTPE-participating schools? (ongoing)

What is the extent by which private schools can accommodate learners from public schools?
(absorptive capacity)

How much more capacity is created if schools that offer multiple levels can use resources in all levels they offer?

What school resource limits capacity? By how much can we increase this resource before another resource limits capacity?

Scope of the study

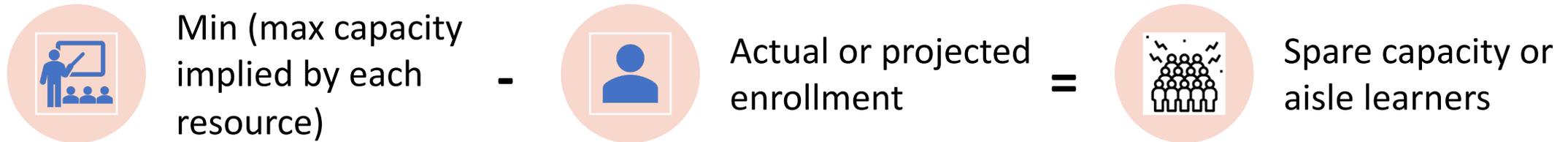
	K to 6	JHS	SHS	Totals
No. of public schools	39K	10K	8K	57K
No. of private schools	10K	6K	5K	21K
Total, schools	49K	16M	12M	78K
			#	
Public enrollment	14M	7M	3M	24M
Private enrollment	1M	1M	1M	4M
Total, learners	15M	8M	4M	28M

Source: DepEd EBEIS

DepEd ideal resource – capacity standards

	Elementary (K-6)	JHS	SHS
Shifts/ grade	2 for K, 1 for rest	1	1
Learners/ section	35*	45	40
Classrooms/ section	0.5 for K, 1 for rest	1	1
Teachers/ section	1.2*	1.67 (5/3)	1.5 (9/6)
Seats/ learner	0.5 for K, 1 for rest	1	1

Estimation procedure



1. Do above for both public and private schools
2. Estimate absorptive capacity of the division by combining the spare capacity or (aisle learners) of both school types
3. Estimate absorptive ratio - aisle learners in public schools that may be absorbed by private schools

Outputs



Enrollment projections



Calculations through
to absorptive capacity



Historical school data



Summary rankings

LATEST HISTORICAL AND PROJECTED ENROLLMENTS

Region:	BARMM
Division:	Basilan
Level:	ES

PUBLIC ES ENROLLMENTS							
	LATEST DATA	PROJECTIONS					
BOSY	2022	2023	2024	2025	2026	2027	2028
K	7,614	7,594	7,574	7,554	7,535	7,515	7
G1	6,858	6,643	6,626	6,608	6,591	6,574	6
G2	5,566	5,983	5,796	5,781	5,766	5,751	5
G3	5,691	4,856	5,220	5,057	5,044	5,030	5
G4	5,684	5,759	4,237	4,555	4,412	4,400	4
G5	5,265	5,674	5,827	3,697	3,974	3,849	3
G6	5,083	5,116	5,665	5,896	3,225	3,467	3
TOTAL	41,761	41,626	40,945	39,148	36,546	36,587	36,
TOTAL (ONE-SHIFT)	37,954	37,829	37,158	35,371	32,779	32,829	32,

PRIVATE ES ENROLLMENTS							
	LATEST DATA	PROJECTIONS					
BOSY	2022	2023	2024	2025	2026	2027	2028
K	194	193	193	192	192	191	
G1	208	202	202	201	201	200	
G2	156	217	211	211	210	209	
G3	145	163	226	220	220	219	
G4	133	147	170	236	230	229	
G5	125	121	150	177	246	240	
G6	110	122	109	152	185	257	
TOTAL	1,071	1,166	1,261	1,390	1,483	1,546	1,

133206	Semut ES	288.5	300	265.5	291	310.5
133207	Sibago ES	281.5	272.5	242.5	232.5	254.5
133208	Sinangkapan ES	158.5	135	133.5	172	186.5
133209	Sinulatan ES	201	160	166	206	213
133210	Tuburan CES	277	265	246.5	251.5	234.5
215004	Lower Tablas PS	136.5	126	149.5	154.5	155
215009	Lower Mahayahay	89.5	62.5	30	27.5	0
215011	Salisa PS	66.5	67.5	74.5	85.5	91
215012	Ismael Memorial PS	128	130	137	141	126.5
215014	Tikos PS	199	170.5	151	139.5	122.5
215015	Akbar ES	262	223.5	206.5	249.5	260
215016	Kainahan PS	115	93.5	85.5	91	92.5
Grand Total		37954	35493	33068	36538.5	36799.5

Private ES Schools List

DepEd Sch	School Name	2022	2021	2020	2019	2018
408747	Ma'had Shuhada Al-Islamie, Inc.	118.5	121.5	100.5	121	105.5
408816	Badja Institute of Islamic Teaching	77	96.5	91	103	106
408817	Ma'had Daril Ulum Al-Hadeeth	245	181	140.5	124	86
408853	Ma'had Addirasatil Islamia Wal Lugatil Arabia	142.5	94.5	69	63.5	48
408854	Jam-Iyyatu Tuburan Attaqaddumiyya Al-Islam	143.5	149.5	131	133.5	122
408896	Ma'had Al-Yakanie Al-Islamie	71.5	71.5	71.5	56.5	84
408898	Ma'had Maluso Al-Arabie Al-Islamie	60	80	61.5	62	48.5
408899	Ma'had Muballigeen Al-Islamie	74.5	59.5	42	32	26.5
409105	Tabuan-Lasa Pilot Madrasah	41.5	47.5	40.5	40.5	41.5
Grand Total		974	901.5	747.5	736	668

Conclusions

Public schools remain overcrowded

	Level	K to 6	JHS	SHS
# of divisions with overcrowded public schools		173 (77%)	191 (85%)	219 (97%)
# of aise learners in public schools		2.5M	1.6M	1.0M

Absorptive capacity in private schools is limited

	Level	K to 6	JHS	SHS
# of divisions with spare capacity in private schools		119 (52%)	99 (44%)	99 (44%)
Absorptive capacity of private schools (# of learners)		0.1M	0.1M	0.02M
Absorptive capacity of private schools (%)		5%	4%	2%

Conclusions, K to 6

Region 4-A, NCR, and BARMM have the most number of aise learners in public schools.

The private schools in Region 4-A, NCR, and Region 3 can absorb the most number of aise learners in public schools.

The private schools in CAR, and Region 1 can absorb the highest % of aise learners in public schools

Region	Aisle learners Public	Region	Excess Capacity Private	Region	Absorptive Capacity
R4A	480,566	R4A	38,538	CAR	34.87%
NCR	432,622	NCR	23,430	R1	14.00%
BARMM	303,942	R3	14,323	R3	8.24%

Conclusions

When resources are shared by the levels a school offers, 400K more learners can be accommodated in public schools and 498K more learners can be accommodated in private schools.

Division	Region
Basilan	BARMM
Cotabato City	BARMM
Lamitan City	BARMM
Lanao del Sur - I	BARMM
Lanao del Sur - II	BARMM
Maguindanao I	BARMM
Maguindanao II	BARMM
Marawi City	BARMM
Special Geographic Area Division	BARMM
Sulu	BARMM
Tawi-Tawi	BARMM

		Public Schools						
Combined		Separate			Added capacity	Combined		
Slack Capacity	Aisle Learners	K-6	JHS	SHS		Slack Capacity	Aisle Learners	
		Slack Capacity/ (aisle learners)	Slack Capacity/ (aisle learners)	Slack Capacity/ (aisle learners)	Public			
0	-10541	0	-7698	-3197	355	0	-10541	
260	-9993	-140	-6097	-4263	767	683	-4841	
0	-4201	0	-3231	-1048	77	0	-2402	
76	-17120	0	-11484	-6970	1410	46	-2054	
164	-10340	-232	-7136	-3259	451	171	-2862	
36	-19649	0	-15285	-5993	1665	94	-8085	
5	-19131	-486	-13728	-5904	992	96	-1584	
0	-2251	0	-1535	-851	135	2843	-5572	
0	-2153	0	-1627	-616	90	0	0	
0	-27817	0	-21387	-6540	110	177	-2450	
187	-14696	-674	-9998	-4141	303	24	-1616	

Conclusions

Chairs/ seats are what limit capacity in public schools at most divisions, a relatively easy fix. In SHS, teachers are what limit capacity in 100 divisions.

Supplying enough chairs so that it no longer limits capacity would accommodate 51% of the aisle learners in public schools without adding other resources

Number of divisions with the limiting resource at each level			
Limiting resource	K to 6	JHS	SHS
Chairs	176	208	115
Classrooms	39	8	11
Teachers	11	10	100
Total divisions	226	226	226

Final points

Policy question: Should the government invest more resources in DepEd schools OR should it outsource educational services to private providers?

Access less of a justification for GASTPE programs. Quality and choice may be better arguments.



The image is a screenshot of a news article from Rappler. At the top right is the Rappler logo, a red 'R' inside a circle. The main headline is 'PH still among lowest in math, science, reading in global student assessment' in bold black text. Below the headline is the date and time 'DEC 5, 2023 10:21 PM PHT' and the author's name 'JEZREEL INES'. There is a dark blue button with a white play icon and the text 'UPGRADE TO LISTEN' and 'POWERED BY SPEECHIFY'. Below that is a line of text: 'Already have Rappler+? [Sign in](#) to listen to groundbreaking journalism.' The main image shows a classroom scene with a teacher in a light blue shirt standing at a whiteboard, addressing a group of students in school uniforms. A large black fan is in the foreground. On the left side of the image, there are social media sharing icons for Facebook, Twitter, and a share icon. Below these is a section titled 'HOW DOES THIS MAKE YOU FEEL?' with a smiley face icon and a 'REACT NOW' button with a play icon.

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Maraming Salamat Po!

Don Brodeth



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