

Brazil Education

Medicine regulation: this week's decision in Supreme Court could be disruptive

Industry Overview

Decision could ban (or not) +30k med seats via injunctions

Supreme Court restarts today the trial to decide over the authorization of new medicine seats through injunctions (see Exhibit 22 in Education YA report, Jan 19). We estimate that candidates per seat could go down to 4 (vs. 9 now) if the 30k seats through injunctions are allowed. Looking at historical tickets, we believe that this potential extra opening could cause a drop of 25-30% on tuitions, significantly more than the estimated impact from "Mais Médicos 3" openings (c.10% drop). Our base case is that if the Court decides that injunctions must be analyzed by the MEC, it could still try to adopt more restricted rules on their evaluation in order to contain a major increase in supply outside Mais Médicos. So far, the MEC has been quite vocal on its focus towards quality over quantity.

Impact on ticket seems controlled under Mais Médicos 3

In 2023 the government announced the 3rd Mais Médicos (MM) auction offering 5.7k seats. Additionally, it also plans to allow another 2k seats for expansion of existing courses, totaling an overall expansion of 7.7k till 2030Y. We estimate that these openings could drag candidates per seat ratio down to 7 by 2030Y, which could pressure tickets down by 10%. We believe there's upside to these numbers considering that the pulverized offer of seats across the states provides some price protection (see Exhibit 1).

But injunctions could cause an offer overflood

We estimate that the opening of an additional 30k seats on top of MM could negatively impact tickets by 25%. According to our recent talks with authorities (see: Event with CNE), if approved by the Ministry, these seats could start operating by 2025Y. In our view, these would cause an overflood in the market as the expansion planned through MM already seems enough to bring doctor per 1k hab. ratio above OECD average of 3.2 in all states by 2040Y (see Exhibit 2). Thus, in our view, despite Court's decision, the MEC will likely seek to adopt strict parameters to limit or delay most of new openings.

Declining candidate/seat: all is not lost

While the drop in candidate per seat ratio could be a disruptor on sector's ticket, we understand this is not the only factor impacting them. If candidates/seat drop to 4 by 2030Y (MM + 30k from injunctions) it would still be above most courses (see Exhibit 7) – as of 2022, psychology has the second highest ratio at 2.6 candidates/seat. Also, our estimates do not factor in impacts from social recognition of the course, regional competition, and disposable income for education through the years.

7 votes remaining – 2 more against injunctions are enough

The Court will be voting on 2 matters: i) legal validity of Mais Médicos, ii) if injunctions should be analyzed by the MEC. According to Court's public data, 4 judges have voted and 7 have yet to vote. All 4 agreed on the validity of Mais Médicos, and 2 were against injunctions. For injunctions to be banned, 2 more judges need to vote against it.

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Mais Médicos = public auction that defines how many and where new medicine courses shall be opened

MEC – Ministry of Education

Exhibit 1: If Mais Médicos is the only expansion allowed, we see candidate per seat above 7 in at least 14 states by 2040Y. States located in the countryside should become more competitive

Estimated candidate per seats till 2040Y

State	Candidate per seats					
	Current (2022)	2026	2030	2035	2040	
Acre	0.9	2.5	2.3	2.3	2.2	
Alagoas	7.9	5.2	4.3	4.3	4.0	
Amazonas	2.1	1.7	1.7	1.7	1.7	
Amapá	-	26.5	26.3	26.3	26.3	
Bahia	8.5	4.2	3.5	3.5	3.3	
Ceará	29.3	7.5	6.4	6.4	6.3	
Distrito Federal	5.5	16.8	14.9	14.9	14.6	
Espírito Santo	12.3	12.7	11.9	11.9	12.2	
Goiás	13.8	10.8	10.5	10.5	10.8	
Maranhão	13.2	2.1	1.8	1.8	1.7	
Minas Gerais	8.4	10.3	8.7	8.7	8.6	
Mato Grosso do Sul	2.4	3.0	2.9	2.9	3.0	
Mato Grosso	12.0	7.1	6.8	6.8	7.0	
Pará	8.9	3.0	2.7	2.7	2.6	
Paraíba	5.5	9.0	7.6	7.6	7.4	
Pernambuco	7.0	3.2	2.8	2.8	2.7	
Piauí	9.1	2.0	1.6	1.6	1.5	
Paraná	5.7	10.1	9.1	9.1	9.2	
Rio de Janeiro	9.8	8.0	7.1	7.1	7.2	
Rio Grande do Norte	3.4	5.1	4.5	4.5	4.3	
Rondônia	3.4	3.3	2.9	2.9	2.9	
Roraima	=	18.2	18.0	18.0	19.1	
Rio Grande do Sul	16.7	14.5	12.5	12.5	12.5	
Santa Catarina	13.0	9.7	9.1	9.1	9.5	
Sergipe	1.2	3.9	3.4	3.4	3.4	
São Paulo	9.3	7.7	7.1	7.1	7.1	
Tocantins	13.6	12.4	11.1	11.1	10.9	
Brazil – w/ MM expansion	9.4	7.5	6.9	6.7	6.6	
If injunctions are approved	9.4	4.3	4.0	3.9	3.9	

Source: BofA Global Research, INEP, IBGE

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Exhibit 2: Considering only expansion through Mais Médicos, we see only 1 state – Amapá – with doctor per 1k habitant's ratio below OECD average of 3.2 by 2040Y. Thus, this expansion should already be enough to meet Ministry's goal

Doctor per 1k habitants per state (including public universities seats expansion of 2k)

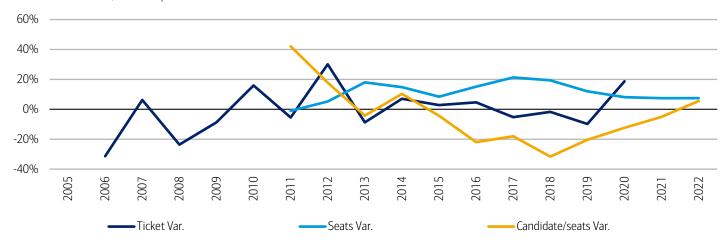
Total	2024	2026	2030	2035	2040
Acre	1.8	2.1	2.7	3.5	4.3
Alagoas	2.2	2.5	3.0	3.8	4.6
Amazonas	1.6	1.9	2.6	3.5	4.4
Amapá	1.5	1.5	1.5	1.6	1.7
Bahia	2.2	2.5	3.2	4.3	5.4
Ceará	2.2	2.4	2.9	3.6	4.4
Distrito Federal	6.1	6.3	6.7	7.3	7.8
Espírito Santo	3.5	3.8	4.7	5.9	7.1
Goiás	3.1	3.5	4.1	4.9	5.7
Maranhão	1.4	1.6	2.0	2.9	3.7
Minas Gerais	3.5	3.8	4.6	5.6	6.7
Mato Grosso do Sul	3.1	3.3	4.0	5.0	5.9
Mato Grosso	2.6	2.8	3.4	4.2	4.9
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Pernambuco	2.6	2.9	3.5	4.4	5.4
Piauí	2.3	2.8	3.8	5.4	7.0
Paraná	3.3	3.6	4.2	5.0	5.8
Rio de Janeiro	4.3	4.7	5.3	6.0	6.9
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São Paulo	4.0	4.4	5.1	5.9	6.8
Tocantins	3.0	3.9	5.0	6.5	8.0
Brazil	3.2	3.5	4.1	5.0	5.9

Source: BofA Global Research, INEP, IBGE, CFM

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Exhibit 3: A drop on candidate per seat on average leads to a decline in tickets, however in a smaller magnitude

Variation of medicine ticket, candidate per seat and medicine seats since 2005



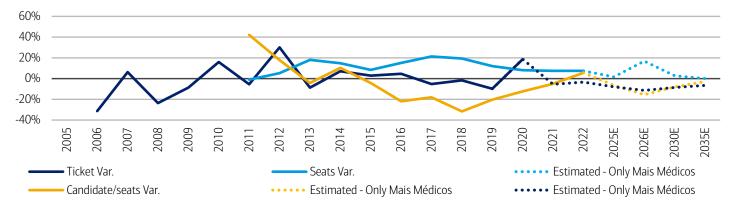
Source: BofA Global Research, INEP, IBGE

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Exhibit 4: Considering a seat expansion of 5.7k seats through Mais Médicos, we see a potential decline on tickets of c.10% in 2026Y

Estimated variation of ticket, seats and candidate per seat considering only Mais Médicos seats expansion

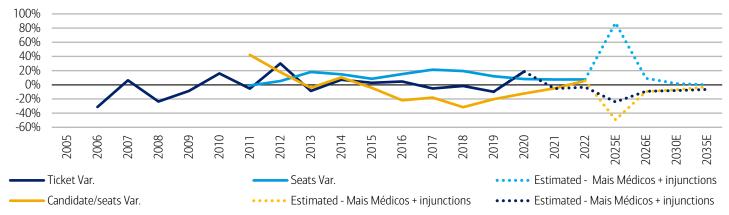


Source: BofA Global Research, INEP, IBGE

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Exhibit 5: Considering a seat expansion of 30k seats through injunctions, we see a potential decline on tickets of c.25% by 2025 (when these seats would allegedly hit the market). This should be followed by another 8% drop by 2026Y when Mais Médicos seats start to operate

Estimated variation of ticket, seats and candidate per seat considering Mais Médicos seats expansion + 30k from injunctions

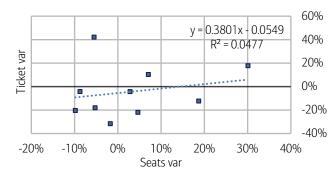


Source: BofA Global Research, INEP, IBGE

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Exhibit 6: Ticket variation are positively correlated to seats

Correlation of seats variation and ticket variation



Source: BofA Global Research, INEP, IBGE

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Exhibit 7: Psychology has the second highest ratio at 2.6

Top 10 courses/study areas by candidate per seat ratio

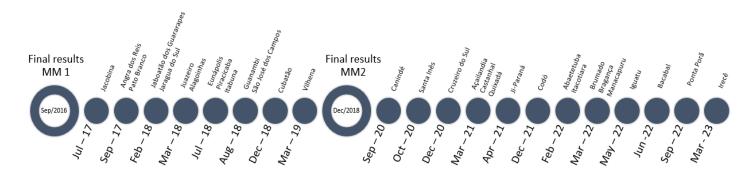
	Candidate per seat
Medicine	9.4
Psychology	2.6
Odontology	2.4
Veterinary Medicine	2.3
Nursing	2.0
Pedagogy	1.8
Music and arts	1.7
Law	1.5
Architecture	1.2
Statistics	1.1

Source: BofA Global Research, INEP

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Exhibit 8: In our estimates we consider the number of Mais Médicos seats being released in the market by 2026Y, which would them cocentrate the negative impact on tickets. However, looking at previous Mais Médicos auctions we see that these openings should occur more gradually than estimated. For MM first auction, the first course from listed players was inaugurated 9 months after final results and the last one 2.5 years after results. For MM second auction, the first one among listed players was inaugurated 2 years after final results, while the latest one started in March/2023, 4.5 years later

Timeline to start operations from listed players' courses from Mais Médicos



Source: BofA Global Research

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