

Research Article

# Comparative Analysis of Postgraduate Clinical Integration Pathways for Medical Graduates: Lessons from the United Kingdom and Europe for the United States

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## Abstract

The present paper contains a comparative discourse of the two systems of medical education in Mexico and the United States with a specific consideration to the existing patterns of postgraduate education and the recent legislative changes in the state of California, according to which some foreign-trained physicians are now permitted to practice in the U.S. without a residency program in the United States or without the United States Medical Licensing Examination (USMLE). In the research, differences between the two countries regarding all aspects of medical training, evaluation standards, clinical exposure, and licensing process are looked into. Whereas the medical education framework in Mexico involves early exposure to clinical practice and the social-service oriented model of medical education, the U.S. system is based on the standardized exams, cut-throat post-graduate training, and limited licensing. Critical analysis of the legislative response of the state of California to the lack of healthcare workers is provided in the paper to examine its consequences concerning clinical competency, patient safety, medical ethics, and trust. In this examination, the disadvantages of skipping official residency and licensure procedures have been identified in the paper, and propositions to policy are made that attempt to balance between inclusiveness and quality assurances. The results evidence the importance of the establishment of specific integration frameworks and open supervision systems so that all practicing physicians of any origin could be interviewed by the same standards of care.

## Keywords

Mexican medical education, U.S. medical residency, USMLE, foreign-trained physicians, California legislation, postgraduate training, physician licensure, clinical competency, healthcare policy, IMG integration

## 1. Introduction

### 1.1 Background and Context

Systems of medical education are the cornerstones of building clinical competence, a moral anchor, and preparedness of the physician for the changing health needs. Mexico and the United States have elaborate training systems to develop competent medical practitioners; however, their

training systems differ greatly in design, evaluation, and certification. In Mexico, starting medical school directly out of high school is a common process, with the process taking an average of six to seven years, followed by an internship lasting a full year, as well as compulsory social service (servicio social) in medically needy regions. After graduating, graduates receive a cedula profesional (professional license),

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Received: 01/10/2025; Accepted: 23/10/2025; Published: 25/03/2026



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allowing them to work as a general practitioner or to do additional training in specialties via national residency testing Programs like ENARM (Examen Nacional de Aspirantes a Residencias Médicas) [13], [25].

Medical education in the U.S., on the other hand, takes a longer and more fragmented direction. The first step is an undergraduate or baccalaureate degree (usually in the natural sciences, with a biological sciences composition), after which they are admitted to a four-year medical school via the Medical College Admission Test (MCAT). According to the requirements of the U.S., the medical graduates who want to be independent practitioners have to undergo several standardized licensing examinations (USMLE Step 1, Step 2 CK, and Step 3) and pass at least three years of postgraduate residency training in the Accreditation Council for Graduate Medical Education (ACGME)-approved program [5], [16].

Such conflicting systems have long been a problem to international medical graduates (IMGs), particularly those trained in Mexico, and who are applying to get a license to practice in the U.S. Conventional state licensure-based systems require IMGs and domestic graduates to pass identical residency and USMLE requirements at the expense of IMGs not acquiring the capacity to practice medicine without having to redo much of their education [17], [21]. But a new change in the California law has now threatened this paradigm, as it opened the possibility of some foreign-trained physicians to be licensed to practice medicine in California and not having to take up a residency in the United States or even take the USMLE. The action, which was meant to close the gap in physician supply, especially to underserved and rural communities, has not gone down well with the medical community, causing mixed feelings of trepidation and hope [3], [4], [29].

## 1.2 Purpose and Significance of the Study

The purpose of this paper is to perform an in-depth comparative study of both the Mexican and the USA medical educational systems and the systems of postgraduate training. The particular focus is given to the process of evaluating the readiness of physicians within such systems, as well as on possible mischief or reordering that legislative shifts, such as California's approval of licensing some of the foreign-trained doctors, might cause to traditionally accepted standards of clinical competence. The analysis of structural, pedagogical, and regulatory components of both systems makes an important premise of the investigation of the impact of this policy revision on healthcare quality, patient safety, and social fairness.

The importance of this comparative framework is that it can be used by policymakers, medical educators, and licensing officials in making decisions concerning the advantages and dangers of easing traditional licensing criteria for licensing

IMGs. It also helps in the current debate over equal access to medical practice and maintaining high standards of health care.

## 1.3 Thesis Statement

Although Mexico and the United States aim at producing qualified physicians through the framework of education, there is a significant variance in postdoctoral teaching, clinical monitoring, and licensing norms that evoke issues of conformity. Although the new legislative strategy of California in granting permanent licenses to foreign-trained doctors, who do not complete residency or the USMLE, might be seen as a short-term solution to healthcare workforce shortage challenges, it can create rather dangerous challenges to patient safety, professional integrity, and responsibility in medical practice.

## 2. Overview of Medical Education Pathways

The health care delivery structures are anchored on medical education systems that influence the competence of the physician and patient safety. The section also gives an extensive review and comparison of the pathways of medical education in Mexico and the United States, with a close reference to the postgraduate training to bring out the major structural differences. An in-depth knowledge of the two education systems underlines the consequences of the California bill currently amending the legislation enforced to place requirements that allow some of the doctors, who received their education overseas, to practice their jobs without traditional U.S. residencies tickets or USMLE documentation [3], [12], [29].

### 2.1 Medical Education Structure in Mexico

Mexican medical education reflects a traditional Latin American model, emphasizing early clinical exposure, community service, and governmental involvement in healthcare education [9], [22].

#### 2.1.1 Entry and Undergraduate Training

Mexican students enter medical school directly after completing secondary education (high school). The standard medical curriculum spans approximately six to seven years, typically structured as follows [7], [22]:

##### ❖ Preclinical Sciences (Years 1–2):

Foundational sciences such as anatomy, biochemistry, physiology, microbiology, pharmacology, and pathology, delivered through theoretical and practical methodologies.

❖ **Clinical Rotations (Years 3–4):** Throughout the 3rd and 4th years, students engage in a combined model of classroom instruction and clinical exposure. Hospital-based rotations in major clinical specialties vary widely across Mexican medical schools, ranging from no clinical rotation to blocks of three or four weeks. These rotations may be organized as semester-based clinical periods or, in some institutions, as an 8th-semester curriculum devoted exclusively to hospital training that emphasizes hands-on patient interaction and the development of fundamental clinical skills.

### 2.1.2 Rotating Internship (Year 5)

❖ During the "Internado Médico," students undertake full-time supervised clinical rotations across various hospital departments (internal medicine, surgery, pediatrics, obstetrics/gynecology, emergency medicine), consolidating clinical skills and developing professional responsibilities [24], [25].

### 2.1.3 Social Service (Year 6)

A distinctive element of Mexican medical training is the compulsory Servicio Social, established in 1936 through a presidential decree and required for obtaining both the medical degree and professional license. During this year-long service, graduates provide healthcare in underserved rural or urban communities, often with limited supervision and resources, gaining autonomous clinical experience while simultaneously contributing to the reduction of national healthcare disparities [22].

### 2.1.4 Licensure (Cédula Profesional)

Upon completing medical school and the Servicio Social, graduates become eligible to obtain the Cédula Profesional from the Secretaría de Educación Pública (SEP), which authorizes general medical practice nationwide without additional standardized examinations. However, before being awarded the medical degree, students must first demonstrate clinical and academic competence through a professional examination. Depending on the institution, this requirement may be fulfilled through a university-administered assessment—often combining an OSCE-style clinical-practical exam with a knowledge-based evaluation—or through the EGEL (General Exam for Undergraduate Exit) administered by CENEVAL, a civil organization that collaborates with SEP in various evaluative processes. Notably, once issued, the professional license has no expiration date and requires no subsequent renewal or formal review [6], [24].

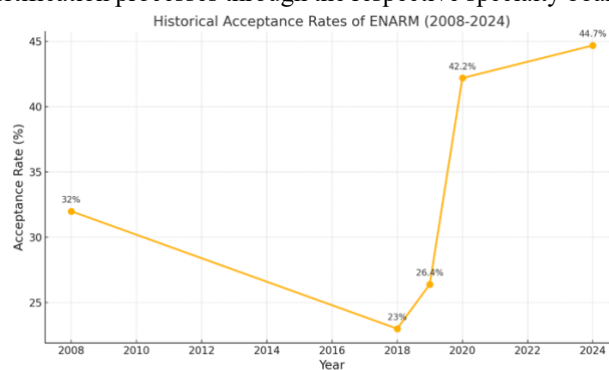
### 2.1.5 Postgraduate Training (Residencia Médica)

Specialization in Mexico is optional yet highly competitive, as access to postgraduate training is determined exclusively through the ENARM (National Exam for Medical Residency Applicants), a rigorous standardized examination historically characterized by low acceptance rates. Although the number of available residency positions has increased in recent years—from approximately 8,000 positions for 40,000 applicants in 2018 to 18,628 positions for 44,859 applicants in 2023—the exam remains a significant bottleneck for medical graduates [13], [25] [31]. Residencies vary in duration and quality based on institutional resources, typically lasting three to six years.

To obtain a specialty degree, training hospitals must hold a university endorsement certifying that the resident physician has demonstrated the competencies required for graduation. This process involves multiple examinations and evaluations that generate an annual performance grade, which must be formally validated by the affiliated university and submitted to the Secretaría de Educación Pública (SEP). Depending on the specialty, residents may also be required to complete a four-month social service rotation in marginalized or underserved communities during the final year of core programs such as General Surgery, Internal Medicine, Pediatrics, Anesthesiology, and Gynecology & Obstetrics.

In addition, candidates must prepare a thesis as a degree requirement and, depending on the institution and specialty, may undergo OSCE-style assessments or direct evaluations during real surgical procedures conducted by an examining committee.

Furthermore, to obtain the specialist professional license (cédula profesional de especialista), the degree must be endorsed by the Comité Normativo Nacional de Consejos de Especialidades Médicas (CONACEM), a non-governmental organization that collaborates with SEP and oversees certification processes through the respective specialty boards



## 2.2 Medical Education Structure in the United States

In contrast, the U.S. medical education system emphasizes

rigorous standardization, extensive postgraduate training, and globally recognized accreditation [16], [17].

### 2.2.1 Pre-Medical Education

Entry into medical school requires completing a four-year undergraduate degree, typically including extensive coursework in biology, chemistry, physics, mathematics, and social sciences. Prospective medical students must excel academically and perform competitively on the Medical College Admission Test (MCAT), a standardized, rigorous assessment [16].

### 2.2.2 Medical School Training (MD/DO)

U.S. medical training encompasses four structured years of education, divided into two distinct phases [17]:

❖ **Preclinical Curriculum (Years 1–2):**

Courses in medical sciences, anatomy labs, pharmacology, pathology, and physiology, typically delivered through lectures, problem-based learning, and standardized exams.

❖ **Clinical Clerkships (Years 3–4):** Structured clinical rotations through internal medicine, surgery, pediatrics, psychiatry, family medicine, and other specialties in accredited teaching hospitals, supervised closely by experienced physicians [17].

### 2.2.3 Licensing Examinations (USMLE Steps 1–3)

Any medical graduate applying to be licensed is expected to complete USMLE, a 3-part national standardized set of examinations that evaluate fundamental sciences (Step 1), the clinical knowledge and skills (Step 2 CK & formerly CS), and the clinical judgment (Step 3). Such examinations set a standardized scale of physician competency needed in order to become licensed to practice medicine in the state [5], [16].

### 2.2.4 Residency Training and Accreditation

It is an accredited post-graduate training, very structured and mandatory, and it is carried out in residency training. The term of residency is three to seven years, depending on the specialty, and involves a highly involved training period, constant assessment, duty-hour restrictions, and a stable rise in clinical responsibility [4], [12], [17].

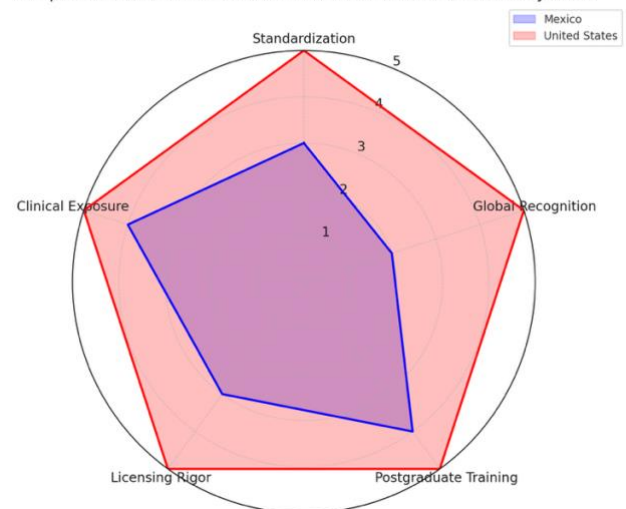
## 2.3 Comparative Analysis Table

To elucidate key distinctions clearly, the following table provides a structured comparison of core components within both systems.

Component	Mexico	United States
Entry	High school	Undergraduate

Requirement	diploma	degree + MCAT
<b>Medical School Duration</b>	Approximately 6–7 years	4 years post-undergraduate
<b>Final-year Requirement</b>	Mandatory social service in underserved communities	Advanced elective clerkships and sub-internships
<b>Licensing Exams</b>	University OSCE, or knowledge based evaluation, or	Mandatory (USMLE Steps 1, 2, 3)
<b>Postgraduate Training</b>	Optional residency (competitive via ENARM)	Mandatory residency (competitive via NRMP match)
<b>Global Recognition</b>	Limited regional recognition	Extensive global acceptance
<b>Standardization</b>	Limited and variable across regions	Highly standardized (ACGME, LCME accreditation)

Comparative Radar Chart: Mexican vs. U.S. Medical Education Systems



## 2.4 Implications and Relevance to California Legislation

All these are essential in light of recent California law, which enables a few foreign-trained physicians, including Mexico, to be licensed to take up medicine without undergoing US residencies and even skipping the USMLE exams. The marked differences between the rigor, standardization, and requirements of licensure of the Mexican postgraduate training and those of the U.S. raise pertinent questions regarding the context of medical competency,

patient safety, and regulatory integrity with regard to the healthcare system [3], [29]. The Mexican model puts additional emphasis on the proximity to clinical application and access, which might come in handy in containing breastfeeding shortages among the underserved in the Californian region. In contrast, the U.S. model focuses on universal and standardized training, securing the clinical skills and the safety of individuals. When these two independent means are combined, the results involve a close evaluation and management.

### 3. Comparative Analysis of Postgraduate Training

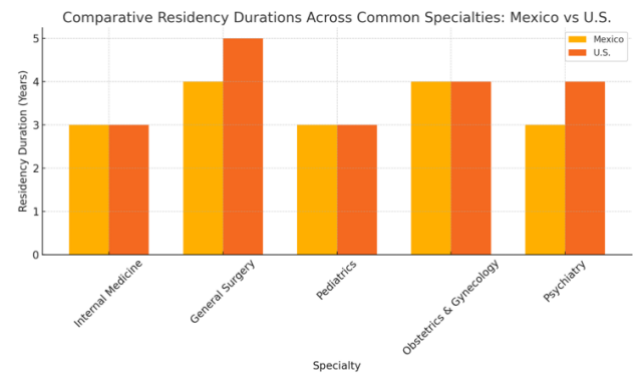
#### 3.1 Training Requirements and Duration

The US-Mexican postgraduate medical training is quite different in terms of structure and duration. Mexican postgraduate clinical education begins with a mandatory internship year, followed by a year of rural social service (Servicio Social), after which the intern elects to stay on as a specialty type resident, which is three to six years, depending on the specialty chosen [7][13]. What instead is postgraduate training in the U.S. is mere standardized three to seven years residency training program as per specialty, a gross passage of a severe three step examination, the United States Medical Licensing Examination (USMLE), and affirmed by the Accreditation Council of Graduate Medical Education (ACGME) [5][12].

**Table 1: Comparison of Postgraduate Training Requirements**

Criteria	Mexico	United States
<b>Initial requirement</b>	Medical Degree (6 years)	Medical Degree (MD/DO, 4 years post-undergraduate)
<b>Mandatory training</b>	Internship and Social Service	ACGME-accredited Residency
<b>Residency duration</b>	3-6 years (optional)	3-7 years (mandatory)
<b>Licensing exam</b>	Internal hospital assessments, or EGEL (General Exam for Undergraduate Exit) administered by CENEVAL	USMLE Steps 1, 2, and 3
<b>Certification</b>	Secretaría de	State Medical

<b>authority</b>	Salud, endorsed by CONACEM and the National Boards of each specialty, and sub-specialty.	Boards, FSMB
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#### 3.2 Assessment and Licensing Standards

Between the two countries, there are significant differences in postgraduate assessment standards. Mexico uses local hospital-based review and periodic reviews, and this results in great difference in competency standards [24]. The national residency admission exam, ENARM (Examen Nacional para Aspirantes a Residencias Médicas), is demanding but does not include any standardized assessments during training aside from entry-level qualification [13] [25]. Conversely, the U.S. already uses the USMLE Steps 1, 2, and 3 scores, which are universally structured standardized tests of clinical knowledge and practical skills and clinical decision making comprehensively, and enforce uniform quality standards [5][16]



#### 3.3 Clinical Supervision and Case Exposure

The United States has a system of clinical supervision that is more structured and hierarchical, with preset rules and direct supervision, and places responsibility slightly more on the residents by providing increased autonomy increasingly on competence [5][16]. Out-of-clinic exposure and supervision in Mexico depend largely on the institution and the geographical location, and thus, inconsistent training experience may occur [26][27]. There is a higher likelihood

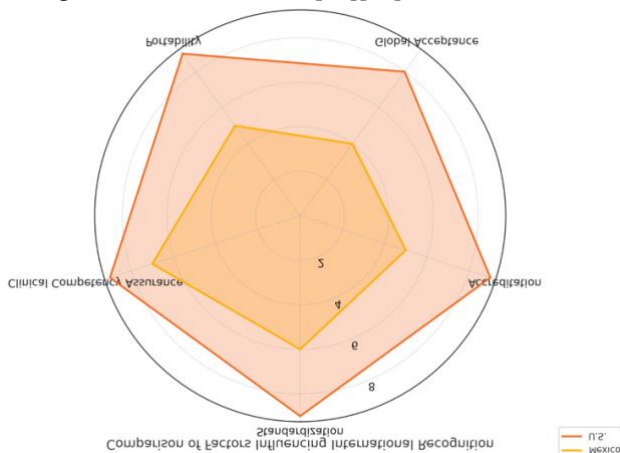
that this variety may negatively affect the quality and extent of case exposure of Mexican trainees in comparison to their U.S counterparts [24][27].

**Table 2: Clinical Supervision and Case Exposure Comparison**

Aspect	Mexico	United States
<b>Clinical supervision</b>	Variable, less standardized	Highly structured and standardized
<b>Autonomy progression</b>	Rapid, institution-dependent	Gradual, competency-based
<b>Case exposure</b>	Wide variability	Diverse and systematically structured
<b>Training uniformity</b>	Low, significant regional differences	High, uniform standards nationally

### 3.4 International Recognition and Accreditation

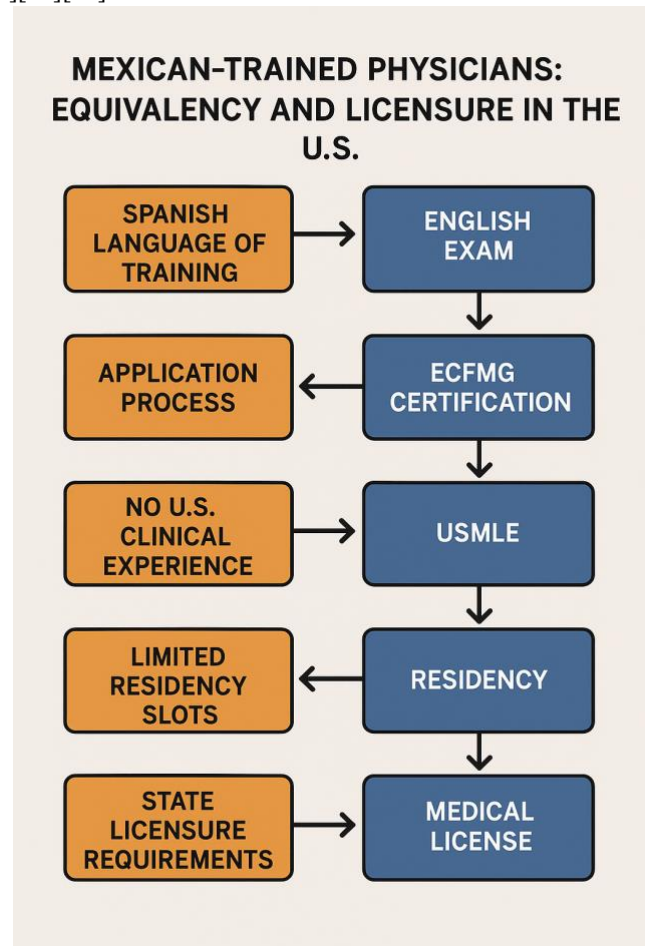
The international understanding and recognition of postgraduate training programs is far inclined toward U.S. training because of uniformity and strict regulation by accrediting organizations such as ACGME and FSMB [5][16]. Mexican medical schools and residencies have often been recognized as problematic in regard to the international acceptance of their medical degrees and graduate medical training to the limit of their portability [30]. Therefore, it is common that doctors (who have studied in Mexico) face obstacles related to practicing abroad, especially in the United States, unless they go through extra training or very strict licensing tests like the USMLE [17][21].



### 3.5 Barriers to Equivalency

The IMGs (including Mexican ones) are often met with

serious difficulties trying to enter the U.S. postgraduate training programs. Such barriers are misalignments in medical curricula, language comprehension, disparities in levels of clinical exposure, and the complexity of the USMLE exams [5][17][21]. Moreover, a small number of available slots in the U.S. makes the situation where IMGs find themselves more competitive and troublesome, whereas states such as California are trying to overcome shortages in physicians by increasing the number of available residency positions and permitting licensure under less stringent conditions [4][12][29].



## 4. Current California Legislation: A Critical Overview

### 4.1 Legislative Background and Scope

Many other states of the U.S., including California, experience ongoing physician shortages, especially in the medically underserved and rural communities. This permanent lack has escalated over recent decades owing to an increase in the population and demographic shifts, retirements in the medical field, and the failure to increase the residency programs ([14], [29]). To deal with these incidences of

shortages around the system, California legislators have gone to extremes to develop novel mechanisms of utilizing international medical graduates (IMGs) who lack residency training or pass the United States Medical Licensing Examination (USMLE), to provide services in the field of medicine with some restrictions. One of the most significant legislative outcomes on the subject was the 2021 Assembly Bill (AB) 443 which was specifically implemented to allow a group of foreign educated and trained international medical graduates or the immigrants (iIMGs) to practice as physicians and obtain a license in the United States without undergoing the U.S. residency and the USMLE route ([14], [29]). It was an innovative and controversial legislative act that has dramatically changed the established standards of regulation of licensing of physicians in the healthcare system of California.

## 4.2 Detailed Analysis of AB 443 Provisions

The provisions outlined in AB 443 reflect a deliberate attempt by legislators to balance addressing physician shortages with safeguarding patient care standards. Detailed provisions of AB 443 include:

- ❖ **Eligibility Criteria:** The law specifically targets immigrant IMGs who hold permanent resident status in the United States, explicitly excluding those on J-1 or temporary visas. This reflects an attempt to ensure stable, long-term contributions to California's healthcare system.

- ❖ **Residency and Examination Waivers:** A significant and controversial aspect of AB 443 is its explicit waiver of U.S.-based residency training and the comprehensive USMLE exams traditionally required for licensing. This waiver is replaced by alternative competency assessments developed by the Medical Board of California and the Office of Statewide Health Planning and Development (OSHPD), focusing primarily on clinical readiness assessments and monitored practice periods ([14], [29]).

- ❖ **Mandatory Service Obligations:** Physicians licensed under AB 443 must commit to practicing primary care medicine within designated underserved or rural communities for a minimum duration, typically at least three years. This provision directly addresses California's primary care workforce shortages in communities historically underserved by the healthcare system.

- ❖ **Enhanced Oversight and Monitoring:** AB 443 mandates strict monitoring by state authorities, including ongoing clinical performance evaluations, supervision requirements, and mandatory annual reporting to ensure public safety and adherence to

clinical standards.

## 4.3 Rationale for California's Legislative Actions

The rationale behind AB 443 is multifaceted, encompassing healthcare equity, workforce optimization, and socioeconomic objectives. Key motivations include:

- ❖ **Addressing Health Inequities:** By leveraging culturally and linguistically competent immigrant IMGs, AB 443 aims to bridge healthcare disparities, particularly among California's large Hispanic population and other diverse communities. These physicians can more effectively address specific cultural and linguistic healthcare needs ([3], [14], [29]).

- ❖ **Rapid Response to Workforce Gaps:** Traditional licensure pathways, especially residency training, require significant time investments. AB 443 accelerates integration, directly addressing immediate healthcare provider shortages without the extended delays typically associated with U.S. residency training ([14]).

- ❖ **Economic Considerations:** AB 443 potentially reduces healthcare system expenditures by integrating existing yet underutilized human resources, minimizing additional costs associated with training entirely new cohorts of U.S.-trained physicians.

## 4.4 Stakeholder Perspectives

Stakeholders have reacted divergently, highlighting the complexities inherent in AB 443.

### Medical and Regulatory Bodies:

The advocates of AB 443 have been accepting it cautiously, like the Medical Board of California, which requires intense assessment of clinical competency along with close regulatory monitoring and accountability systems. The board is also keen on the threat to clinical standards and patient safety.

### Healthcare Institutions and Academic Centers:

These alternative licensure routes have been endorsed in institutions like the University of California (UC) campuses, especially UCLA and UCSF, which largely consider the routes as inevitable solutions to increasing physician supply and delivery of care specific to a community ([12]).

### Physician Associations:

There are mixed responses to physician groups, especially the California Medical Association. On the one hand, these groups recognize the positive impacts of increased access and equity, but on the other hand warn of the establishment of training based on residency as well as standardized assessments in the

form of licensing ([16], [29]) and should continue to be more assessed.

**Public and Patient Advocacy Organizations:**

Patient advocacy organizations insist on strict control and clear communication of what passes as a physician qualification to ensure that people remain confident in their health. The issue is mainly focusing on patient safety, malpractice, as well as the preservation of the integrity of the health care system.

**4.5 Implementation Challenges and Potential Limitations**

Implementing AB 443 faces numerous practical and systemic challenges:

❖ **Standardizing Competency Assessments:**

Developing validated alternative competency assessment tools that are comparable to the USMLE and residency training standards remains a substantial challenge, demanding extensive resources and coordination among medical educators and regulatory bodies ([16], [17]).

❖ **Resource Constraints:** Effective supervision, training, and ongoing monitoring required under AB 443 necessitate significant financial and human resource investments. Ensuring adequate oversight infrastructure is critical to maintain healthcare standards.

❖ **Legal and Ethical Concerns:** Potential malpractice litigation could increase due to concerns about clinical training equivalency, placing additional burdens on healthcare providers, institutions, and regulatory authorities ([21]).

**4.6 Comparative Table: Scope and Limitations of Licensure Types**

Criteria	Traditional Full License	Postgraduate Training License (PTL)	Special Faculty Permit	AB 443 License
Residency Required	Yes	In progress	No	No
USMLE Required	Yes	Partial (Steps 1 & 2 at minimum)	No	No
Practice	Unrestrict	Training	Affiliated academic	Rural/underserved

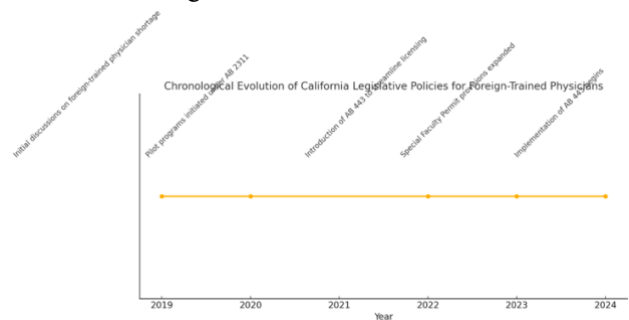
Setting	ed	hospitals	institution	communities
Scope of Practice	Full independence	Supervised practice	Limited academic/teaching clinical practice	Limited primary care practice
Supervision Level	Independent	High supervision	Moderate-high supervision	Moderate supervision
License Duration	Permanent (renewable)	Temporary, training duration only	Renewable annually, conditional	Conditional, subject to service obligations
Monitoring and Oversight	Standard medical board oversight	Training program oversight	Institutional oversight & reporting	Intensive state and institutional oversight

**4.7 Visual Aids**

To enhance clarity and provide further context, the following visuals will be beneficial:

**Diagram:**

- Create a detailed **flowchart** clearly illustrating the distinct pathways foreign-trained physicians can pursue in California, detailing each route's eligibility criteria, required examinations, practice conditions, and oversight mechanisms.



**4.8 Critical Appraisal**

AB 443 represents the strategic compromise of California to balance the immediate need of covering shortages in physicians with the preservation, at the same time, of the concept of clinical excellence. Although its non-conventional model of making immigrant IMGs obtain licenses is highly beneficial both immediately and practically (especially when it comes to expanding access and equity to healthcare), it also

raises some legitimate issues touching upon the clinical competency and safety of patients. Successful legislation will significantly rely on close monitoring, extensive clinical evaluation, open tracking of outcome and strong follow-up appraisal. The state of California will become an instrumental precedent as this policy develops which will be very valuable as other states approach solutions to similar issues of workforce healthcare needs. The latest legislative activities in California, especially the enactment of AB 443, represent an incremental, but cautious initiative of utilizing foreign medical expertise as an addition to existing healthcare needs. Whether it is highly effective and safe will depend greatly on the state of the commitment of maintaining the high-level of oversight mechanisms, transparency, and accountability to people, and that the quality of healthcare will not be undermined despite the increase in access.

## 5. Ethical and Practical Implications

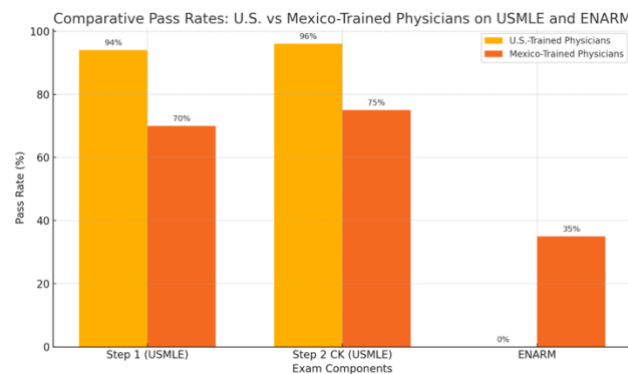
The recent California bills allowing certain Mexican-trained doctors to practice medicine in the state without ever doing U.S. residency and United States Medical Licensing Exam (USMLE) have created great debates and controversy with regards to ethical points of view and practicality. Such implications cover various areas, such as quality of care, equity and fairness, considerations of public health and accountability to the law.

### 5.1 Quality of Care and Clinical Competence

The quality care of patient is at the top of the medical practice. Standardized and vigorous postgraduate education has long been considered the linchpin of medical competency; in the U.S and Mexico this has been achieved through a structured examination, the USMLE and ENARM, respectively ([13], [25]). There is also a modality of the ENARM for foreign-trained physicians. In 2024, there were 421 vacancies and accepted physicians. By regulation, foreign applicants cannot receive a lower score than their Mexican counterparts [32] [33]. The new direction of California can result in the development of discrepancies in the criteria of clinical competence of practicing physicians and threaten the safety of patients and outcomes of treatments ([5], [16]).

In particular, U.S. postgraduate education focuses on arduous clinical supervision and gradual independence, but, in Mexico, training programs are highly inconsistent regarding the extent of clinical exposure, supervision quality, and evaluation standards ([22], [26]). Lack of uniformity in the postgraduate training standards may create a huge gap in the key clinical skills

range, including the accuracy of diagnosis, procedural



competence, and rapid response to an emergency situation ([7]).

**Table 1:** Comparison of Competency Assessment Standards in Mexico vs. United States

Evaluation Criterion	United States (U.S.)	Mexico
<b>Entry Pathway</b>	After 4-year undergraduate degree	Directly after high school
<b>Licensure Exams</b>	USMLE Steps 1, 2 (CK & CS), and Step 3	ENARM (for residency); internal university exams for MD
<b>Residency Requirement</b>	Mandatory (ACGME-accredited; 3–7 years)	Optional (varies by specialty; not always required to practice)
<b>Clinical Supervision</b>	Structured, standardized under ACGME	Inconsistent; varies by institution and region
<b>Curriculum Standardization</b>	Nationally standardized (LCME, ACGME)	Institutional discretion; no unified national standard
<b>Competency Evaluations</b>	Frequent objective evaluations (OSCE, simulation, etc.)	Subjective assessments; less emphasis on standardized tools
<b>Global Recognition</b>	High; U.S. credentials widely recognized	Moderate to low; limited portability outside Latin America
<b>Continuing Medical Education</b>	Required for license renewal	Often encouraged but not uniformly mandated
<b>Language Proficiency</b>	English fluency required	Spanish fluency required

## 5.2 Equity and Fairness

Equity and fairness are the most important aspects of the debate about the policy shifts made in California. The access of International Medical Graduates (IMGs) is not easy into the U.S. medical system because it offers limited entry into resident openings, undue debts, and intensive documenting sessions ([17], [29]). The current legislative developments in California supposedly offer a way of improving equity by improving on the shortage of physicians specifically in

underserved and rural communities. But this fairness should be measured against the tough demands placed on U.S. trained physicians, who devote many resources and time through residency training and testing ([14]). Opponents maintain that the waiver of residency requirement of foreign-trained doctors also exposes them to uneven treatment in comparison to the physicians who took the regular routes ([5], [30]). On the other hand, the advocates state that the California practice reduces shortage and has practical benefits for people who do not have equal access to healthcare in the community ([29]).

## 5.3 Public Health Considerations

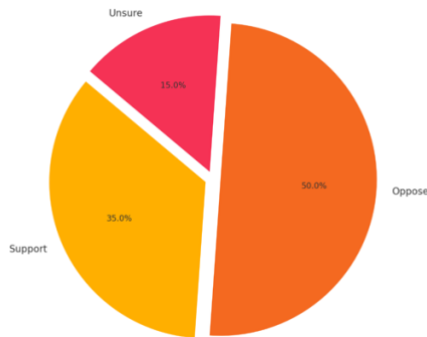
The issue of patient safety and public health outcomes is an abysmal issue that is directly related to standards of clinical competence. Entry of the physician into the clinical practice who are not equated and assessed in a standard manner, will be meaningless and may unwittingly jeopardize the safety of the patients ([2], [16]). Previous experimental evidence has shown that non-standardized IMGs postgraduate training is more likely to result in different patient outcomes, and in some cases may result in misdiagnosis [2][16], or in complications or readmission into hospitals [2]. Besides that, the respect of people towards the healthcare system is dependent on clear standards and competence assurance. With public perception of lower standards or poor intensive supervision, reliance in healthcare would be lost and the wider effects on health could be recorded ([16], [17]). The policy of California might raise an unpleasing precedent in other states, which might not bring uniformity in the medical standards across the nation ([14]).

*Table 2: Risks and Practical Outcomes of Reduced Licensing Standards*

Risk Factor	Explanation	Potential Public Health Outcome
<b>Inconsistent Clinical Competence</b>	Lack of standardized training may lead to variable clinical decision-making	Misdiagnosis, delayed treatment, procedural errors
<b>Reduced Patient Safety</b>	Physicians may not have sufficient emergency care or high-risk scenario exposure	Increased morbidity and mortality in complex or acute cases
<b>Lack of Accountability</b>	Ambiguity in training makes litigation and review more difficult	Increase in malpractice cases; legal ambiguity around negligence

<b>Lower Public Trust</b>	Perception of lower standards can erode trust in healthcare providers	Patient hesitancy to seek care; potential decline in preventative services
<b>Increased Health Disparities</b>	Most deployments under new law target underserved areas	Vulnerable populations may receive lower quality care
<b>Insurance and Legal Risk</b>	Hospitals and insurers uncertain about liability coverage and credentials	Higher premiums; reluctance to hire or credential under new provisions

Public Opinion of California Residents on Physicians Practicing Without U.S. Residency or Exams



### 5.4 Legal and Malpractice Implications

Legal responsibility and malpractice liability is a very reality that is precisely linked with the new changes in California. Traditionally, each one of standardized residency training and board certification is of some liability because it defines explicitly the minimum set of skills an individual must have to practice. The elimination of these standardized barriers may be among the aspects that may leave medical facilities, providers, and institutions at greater risks of malpractice litigation due to inadequately screened areas of clinical expertise ([21], [30]). More to this, in the event that it is found that the patients treated by physicians who have skipped the standard ways of acquiring licenses show poor results, issues of institutional malpractice, and individual responsibility of the physicians come in. It seems, legal precedents indicate that malpractice lawsuits may expand making healthcare more expensive and impacting on medical practice insurance ([14], [21]).

## 6. Stakeholder Perspectives

The importance of the introduction of alternative licensure routes in California through the Assembly Bill 443 (AB 443)

has yielded a wide range of reactions in the medical community amongst key stakeholders. Although the Act aims at alleviating the shortage of physicians in the country by involving foreign-trained physicians into the U.S. workforce, the stakeholders have provided varied opinions about its implementation, scope, and effects. Such views display critical contradictions between access, quality assurance, clinical competence, and ethical responsibility ([21], [30]).

### 6.1 Medical and Regulatory Bodies

Regulatory bodies like Medical Board of California and Federation of State Medical Boards (FSMB) have taken a more cautious optimistic attitude. These organizations are aware that there is an urgent need to solve workforce shortage especially in under frequented regions. Nevertheless, they recommend high attention to the standards of clinical conduct with strong supervision and alternative competency measures of evaluation ([21]). Some of the issues that have been raised by regulators are the inability to use a nationally standardized equivalency framework, the possibility of malpractice risk, and the inability of having a long-term performance data of foreign-trained doctors coming into the nation under AB 443. Although such organizations are desirable in principle, they have urged annual clinical audits, peer reviews and implied continuing education requirements in order to retain the confidence of the people and to remain accountable ([30]).

### 6.2 Academic Institutions and Training Hospitals

The major educational organizations such as the University of California system (UCLA, UCSF) and other teaching hospitals have generally favored the enactment of AB 443 and seen the legislation as a practical approach to the faculty and physician shortage often found in the academic and administrative fields. According to these institutions, a number of international medical graduates, particularly in Mexico, have a number of clinical experience and cultural competencies that make them important in offering diverse care to patients ([30]). However, educational stakeholders have called the policymakers to institutionalize bridge programs in which postgraduate formation of Mexicans can be bridged with the American standards. There are those who have also suggested that more IMG transitional fellowships, supervised practice programs, and academic mentorship opportunities be created to assist physicians to adapt to the U.S. healthcare expectations and yet combat patient safety.

### 6.3 Physician Associations

Professional groups like the California Medical association

(CMA), together with the American Medical association (AMA) have given a mixed reception. On the one hand, they recognize the possibilities of the benefits of AB 443 in reducing the strains on health systems that are overwhelmed. Conversely, they warn against abandoning established licensure procedures which are believed to be the basis of uniform physician expertise in all states ([21], [30]).

Concerns cited include:

- ❖ Perceived **inequity** for U.S.-trained physicians who undergo extensive training and examination.
- ❖ Risk of **credential erosion**, where public perception may shift to view U.S. licensure as inconsistent.
- ❖ The danger of **professional stratification**, where foreign-trained physicians may be seen as second-tier clinicians despite being held to the same responsibilities.

### 6.4 Public and Patient Advocacy Organizations

Patient safety activists and public interest bodies have stressed that there should be open disclosure on the qualifications and training backgrounds of the physicians. Such organizations demand the labeling of health centers and online directories of physicians with the information of whether the physician is licensed under the AB 443 or using a traditional channel.

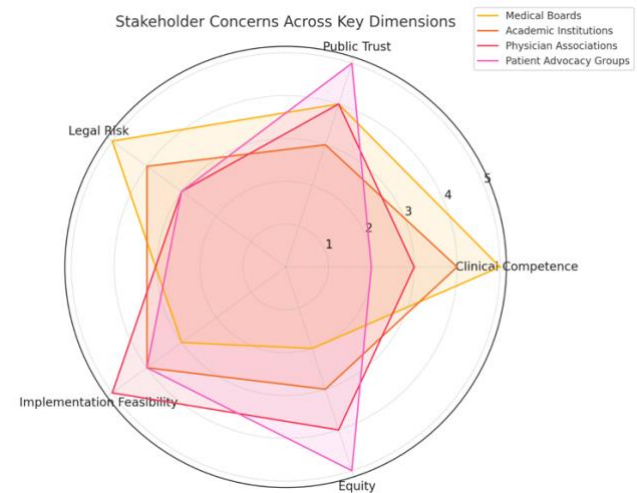
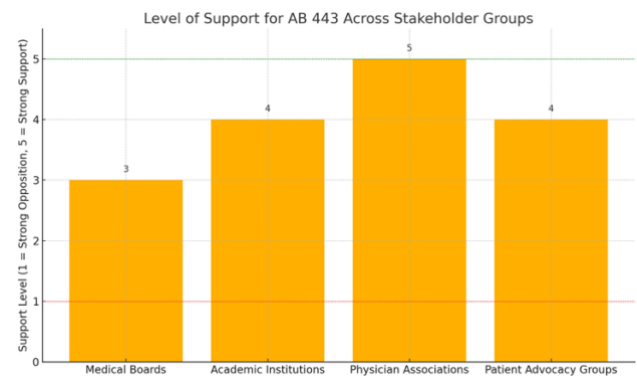
Their primary concerns include:

- ❖ **Inconsistent clinical training backgrounds** leading to variable quality of care.
- ❖ Increased **legal and malpractice vulnerabilities** for patients treated by non-traditionally licensed physicians.
- ❖ Diminished **public trust** in the medical profession if transparency and accountability are not prioritized ([21]).

### 6.5 Comparative Table of Stakeholder Positions

Stakeholder Group	Position on AB 443	Primary Concerns	Proposed Recommendations
Medical Boards & Regulators	Cautious Support	Clinical competence, malpractice, oversight mechanisms	Periodic audits, mandatory CME, independent evaluations
Academic	General	Lack of transition	Supervised fellowships,

Institutions	Support	programs, variability in training	mentorship models
Physician Associations (e.g., CMA, AMA)	Mixed	Equity for U.S. grads, credential dilution, workforce stratification	Maintain dual pathways with rigorous review
Public/Patient Advocacy Organizations	Conditional Support	Patient safety, public trust, informed consent	Transparent credential labeling, stricter monitoring systems



### 6.6 Discussion of Implications

The different visions of the stakeholder groups reveal the complexity of the process of integrating international medical graduates into a healthcare system based on standardization. Although AB 443 focuses on a supply gap in a critical situation, to perform successfully in the long run it is necessary that different stakeholders collaborate and act as effective quality control tools, as well as communicate with

relevant parties efficiently. It will be paramount to ensure a transparent and competency-based licensure system to remain equitable, safe, and trusted by the communities as California and other jurisdictions consider the use of alternative licensing routes ([21], [30]).

## 7. Conclusion

In the comparative analysis of the systems of medical education in Mexico and the U.S., and most importantly at the postgraduate level, there presents notable differences that dispute the presumption of parallelism in physician-readiness. Such variations are especially significant following recent California laws, the example of which is AB 443 allowing immigrant international medical graduates (iIMGs) to skip conventional U.S. residency and licensing tests. Although the purpose of the move is strategic and aims at alleviating shortages of physicians in underserved locations, such a move creates a dilemma since on the one hand, it maximizes access, and on the other hand, patient safety and clinical competency ([21], [30]).

### 7.1 Training Pathways and Readiness

The structural disparity in the postgraduate medical training between Mexico and the U.S is also one of the most influential factors that influence physician preparedness. Compared to training in U.S., where competencies are closely assessed and the training is standardized and progressively tiered, with greater supervision and slow gradual responsibility, the pattern of residency in Mexico is not uniformly with a centralized monitoring system, and some degree of variance can be allowed in the clinical training, as well as thoroughness of evaluation ([5], [17]). This disparity casts a doubt as to how doctors who were medically trained in Mexico can easily resort to the practice of their profession in any clinical environment in the U.S without necessarily having to be trained with reference to the U.S arrangements.

**Table 1.** Comparison of Training and Supervision Models

Criteria	Mexico	United States
<b>Residency Requirement</b>	Optional (via ENARM), Overseas graduates can must obtain certification through a CONACEM- endorsed professional	Mandatory (ACGME- accredited)

	examination	
<b>Clinical Supervision</b>	Institution- dependent	Uniform, competency-based
<b>Training Duration</b>	3–6 years (varies)	3–7 years (specialty-specific)
<b>Evaluation Standards</b>	Local/internal assessments	USMLE + periodic national evaluations
<b>Global Recognition</b>	Low to moderate	High

The standardization of U.S. model presents not just tough skills training, but also an accountability mechanism at the national level, which is frequently absent in the system of decentralization like that of Mexico. These common benchmarks have been central to the work of licensing boards, hospital credentialing committees, and malpractice insurers in their attempts to certify the safety and effectiveness of medical practice ([4], [12]).

### 7.2 Impacts of Legislative Flexibility in California

The assembly bill 443 of California can be characterized as an example of an innovative direction aligning with the actual needs in the field of healthcare access, especially in rural and underserved areas. Nevertheless, with its exemption of the U.S. residency and licensing examination creates ambiguity regarding the clinical skills. Although AB 443 does place local-level competency assessments as well as monitoring, it still does not leverage the strong national system that otherwise provides protection on clinical preparedness in the U.S. ([14], [29])

**Table 2.** Scope Comparison: AB 443 vs. Traditional U.S. Licensure

Attribute	Traditional Full License	AB 443 License
<b>Residency Requirement</b>	Mandatory	Waived
<b>USMLE Requirement</b>	Steps 1–3	Waived
<b>Practice Scope</b>	Full, unrestricted	Primary care in underserved areas
<b>Oversight</b>	Standard board review	Intensive local monitoring
<b>Global Portability</b>	High	Low

Such a dual-track licensing system creates ethical and practical concern. As an example, the physicians that work within the framework of AB 443 can be perceived as working under a second-tier license, which may cause or result in unequal professional acknowledgement, issues with reimbursements, and confusion with liability. Such piecemeal regulation may unwillingly become a part of two categories of health practices in the same state ([30]).

### 7.3 Equity, Trust, and Stakeholder Concerns

Part of the basis of AB 443 can be seen as equity based-arguments- i.e. better access to healthcare due to the integration of foreign-trained physician talent that is under-utilized. Nonetheless, critics state that evading the strict training requirements of the United States could go against the efforts made by locally trained physicians who take much longer and costly training routes ([16], [30]). Moreover, it can endanger the mutual trust which is a key concept of healthcare. The various licensure pathways of the physicians may not be told fully by the patients and therefore they may be hesitant or question the quality of care. The problem of legal liability can also appear, primarily under the circumstances of negative results associated with variations in training ([21], [28]).

## 8. Conclusion

This paper sought to compare the structure and organization of Mexican and U.S. medical education system with a focus on postgraduate training and the changing licensure environment in California. As the results indicate, both countries strive to develop capable physicians, but there is a considerable difference in how these two countries pursue this goal in reference to the level of training, control, and standardization. The AB 443 initiative of California places bold answers to the challenges of physician shortages at least in underserved locations. It will be an opportunity that could potentially save a life of a patient as by skipping the usual residency and licensing tests, the state will allow immigrants with the requisite degrees to go into work and serve the population. Nevertheless, this step comes with massive threats on the other side, the most considerable ones being disparities in clinical competency, a loss of community trust, and dilemmas associated with professional equity.

*Table 3. Summary of Opportunities and Risks under AB 443*

Dimension	Opportunity	Risk
Healthcare Access	Addresses shortages in underserved areas	Uneven quality of care delivery
Professional	Broadens	May create a

<b>Inclusion</b>	pathway for foreign-trained physicians	two-tier licensing perception
<b>Regulatory Oversight</b>	Encourages innovation in licensure	Lacks national standardization
<b>Patient Trust</b>	Cultural competence may improve relationships	Concerns over training transparency
<b>Legal Liability</b>	Focused clinical monitoring could limit errors	Risk of malpractice and unclear accountability

The success of AB 443 will hinge on its implementation: strict monitoring, robust outcome data collection, transparent communication with the public, and perhaps most importantly, collaboration with medical education stakeholders to ensure that competency—not just credentialing—is the foundation of licensure.

Moving forward, California—and potentially other states—must consider long-term strategies to integrate international physicians without compromising standards. These could include hybrid pathways involving bridge programs, clinical simulation assessments, supervised provisional licensure, or bi-national accreditation agreements.

Ultimately, inclusivity and excellence in healthcare need not be mutually exclusive. A balanced approach that acknowledges global talent while upholding patient safety and ethical practice can serve as a model for sustainable medical workforce development in a globalized era.

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