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June 3rd, 2025

Strategic Assessment of Qatarization: Performance, Challenges, and Recommendations

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1. Introduction

1.1 Overview of Sectoral Differentiation

Qatar's nationalization initiative, "Qatarization," strategically varies targets by industry, reflecting national priorities and labor market realities. The energy sector, a critical component of Qatar's economy, has notably been a priority area due to its direct alignment with the Qatar National Vision 2030, emphasizing local capacity building and significant foreign investment inflows (EB 2021). Banking has also garnered substantial policy focus, driven by its pivotal role in economic development and the strong regulatory oversight exercised by the Qatar Central Bank (EB 2021; IMF. Middle East and Central Asia Dept. 2025).

In contrast, sectors such as hospitality and tourism demonstrate slower Qatarization progress, primarily due to their reliance on expatriate labor for typically lower-wage and high-turnover positions, compounded by the limitations posed by Qatar's relatively small local workforce (Fasano-Filho and Goyal 2004). The broader labor market trends in the Gulf Cooperation Council (GCC), exacerbated by events like the COVID-19 pandemic, further highlight these industry-specific differences and reinforce the need for tailored nationalization strategies (Sherman 2022; Khadri 2018).

1.2 Progress and Challenges by Sector

Sectors such as banking and government services have successfully achieved significant Qatarization rates, supported by stable, well-compensated roles that match local educational backgrounds and societal expectations (MoL 2024c; Jameel 2025). Conversely, construction and retail sectors encounter substantial challenges, as their reliance on expatriate labor stems from less attractive employment conditions, including lower wages and physically demanding roles that are less appealing to nationals (MoL 2024b; Council of Ministers Secretariat General n.d.).

Success in nationalization efforts hinges greatly on the inherent nature of each sector. Banking, for instance, aligns effectively with Qatari nationals' formal education backgrounds, transferable skills, and familiarity with the domestic market, thus facilitating increased local participation (Erumban and Al-Mejren 2024; Commercial Bank 2024a; QNB 2024b; Peyton 2016). In contrast, sectors like construction and retail struggle with localization due to the perceived drawbacks of lower wages and intensive manual labor (Al-Asfour, Rajasekar, and Charkasova 2022; NPC 2024).

1.3 Toward Inclusive Sectoral Strategies

Strategically designed skill development initiatives, such as vocational training programs and sector-specific projects like the Rising Stars Program, can provide critical entry points and clear pathways for career advancement, making these less attractive sectors more appealing to locals

(MoL 2024c; MCIT 2024c; UDST n.d.; QatarEnergy n.d.b). Leadership-focused diversity initiatives, including specialized programs promoting the involvement of women in industries such as construction, can also foster inclusivity and broaden local workforce participation (Wilkerson 2024; HEC Paris, Doha 2021; WEF 2022).

Moreover, cultural compatibility presents an additional barrier, especially in customer-facing sectors such as retail and hospitality. Developing targeted, culturally-sensitive training programs can help align roles within these sectors more closely with Qatari societal expectations, thereby enhancing their attractiveness to the local workforce (Younis, Elsharnouby, and Elbanna 2023; Waxin, Kumra, and Zhao 2020).

Ultimately, Qatar National Vision 2030 (QNV 2030) provides a strategic framework for workforce nationalization tailored to sector-specific demands (GSDP 2008). For instance, the banking sector aligns naturally with QNV 2030's emphasis on fostering a digital economy and innovation-driven industries, offering skill-intensive roles crucial to economic diversification (QRDI Council n.d.; ITA 2024c). Conversely, sectors like hospitality face unique challenges, including irregular working hours and cultural expectations, which can be systematically addressed through tailored educational and training programs designed to enhance workforce inclusivity (Kabbani 2025b; GCO n.d.; Mohiuddin 2025).

2. Qatarization and Labor Market Structure

2.1 Strategic Prioritization and Sectoral Divergence

Qatarization, as a human development strategy, seeks to increase Qatari participation in the workforce, particularly within critical sectors such as energy, banking, and hospitality (Stasz et al. 2007; Arugay 2021). These sectors are strategically prioritized due to their centrality to Qatar's economic diversification goals and long-term sustainability.

However, challenges to localization vary widely by sector, reflecting operational, economic, and institutional dynamics. In the energy sector, the availability of higher-skilled Qatari nationals and substantial investment in training infrastructure have helped move toward formal Qatarization targets, such as the 50% localization goal originally envisioned in the early 2000s (Stasz et al. 2007). Yet progress remains constrained by the continued need for specialized foreign technical expertise (Al Thani 2024; MOCI 2025).

In stark contrast, the hospitality sector faces persistent skills mismatches, limited job appeal, and few advancement opportunities for Qatari nationals (Al-Subaiey 2016; Gonzalez et al. 2008b; Alsuwaidi 2020; PwC 2022). As a result, national representation in hospitality remains low, with the sector relying heavily on expatriate workers.

2.2 Public-Private Disparities and Workforce Segmentation

The broader labor market is dominated by expatriate labor, with Qatari nationals making up less than 6% of the workforce. Over 90% of Qatari citizens continue to prefer public sector employment due to superior compensation packages, job security, and work-life balance (Mohamed 2021; Alsayegh 2025). This labor segmentation creates persistent gaps in private-sector nationalization, particularly in industries like banking and hospitality, which find it difficult to attract and retain local talent.

While the banking sector has managed some success through targeted Qatarization quotas, leadership training programs, and internship schemes for nationals, these initiatives are not equally effective across all sectors. Regulatory support and sector-specific incentives have helped enhance Qatari participation in banking, but industries with less prestige or fewer career pathways – such as hospitality – continue to lag (Gonzalez et al. 2008b; Al-Subaiey 2016; Alsuwaidi 2020).

2.3 Skills Gap and Education System Alignment

Addressing this imbalance requires systemic reforms. A key area is the education-to-employment pipeline, which suffers from misalignments between graduate skillsets and labor market demand. Studies indicate that many Qatari graduates are not equipped with the soft and technical skills needed in private-sector industries (Khodr 2011; Mohamed 2021; Said and Alhares 2021; Sellami et al. 2023).

Moreover, policy scholars have emphasized that a more integrated approach is needed – one that incorporates labor market forecasting, improved data systems, and demand-driven curriculum development. Linking nationalization goals to dynamic labor market analysis and performance metrics would help better align expectations and outcomes (Anani, Rizk, and Aydemir 2024; MoL 2024a,d,e; ILO Project Office for the State of Qatar 2025).

The following section builds on this by examining the intrinsic characteristics of work across industries and how they influence nationalization progress – particularly through lenses such as working conditions, wage structures, and social perceptions.

3. Sectoral Performance of Qatarization Policies

Qatarization outcomes differ substantially between the public and private sectors due to structural, cultural, and policy-based factors. This section examines how each domain has progressed in terms of local workforce integration, highlighting institutional dynamics, hiring patterns, and underlying challenges. The analysis begins with the public sector – where Qataris dominate employment – and then shifts focus to the more complex landscape of private-sector localization.

3.1 Public Sector (Government and Civil Service)

3.1.1 Employment Concentration and Drivers

Sectoral Qatarization outcomes in the public sector reveal significant progress but also highlight inherent structural limitations. The public sector – including ministries, education, healthcare, and state enterprises – remains the dominant employer of Qatari nationals, accounting for over 90% of citizen employment. This concentration is primarily driven by attractive benefits such as job security, favorable working conditions, and generous compensation packages (IMF. Middle East and Central Asia Dept. 2024; NPC 2024; Bertelsmann Stiftung 2024).

3.1.2 Utilization and Skill Alignment

While Qataris fill nearly all top administrative and clerical posts in ministries and educational institutions, this distribution has led to underutilization of human capital in some areas. Many positions held by nationals do not fully leverage their qualifications or allow for progressive skill development (IMF. Middle East and Central Asia Dept. 2024). Social preferences reinforce this imbalance – government roles are seen as culturally aligned, less stressful, and more prestigious, which deters interest in private-sector alternatives (Younis, Elsharnouby, and Elbanna 2023).

In 2023, the Ministry of Education and Higher Education, Ministry of Endowments (Awqaf) and Islamic Affairs and the Ministry of Municipality, were among the largest recruiters of nationals, with 4,979 Qataris hired into government roles (The Peninsula 2024a). Of these, approximately 3,100 (68%) were women, underscoring the role of education and civil service as key employment channels for Qatari women (Qatar Tribune 2024).

3.1.3 Remaining Gaps and Policy Reform

Despite this progress, several areas of the public sector – particularly in engineering, IT, and specialized policy units – still rely on expatriate expertise. Initiatives like the Government Scholarship Program have improved the pipeline of technical talent, but the number of qualified Qataris remains insufficient to fully localize these segments.

Policymakers have responded through institutional frameworks such as Qatar's National Development Strategy (NDS), which emphasizes public administration reform, performance-based recruitment, and human capital investment (PSA 2018; PSA 2024; MECGA 2023). The Civil Service and Government Development Bureau (CGB) has further introduced digital governance tools and competency-based hiring to modernize government employment (Civil Service and Government Development Bureau 2024).

3.1.4 Outlook and Transition Challenges

Nevertheless, challenges persist. The relatively small size of Qatar's national workforce limits the pace of localization, especially in specialized fields. Moreover, deeply rooted societal preferences for government work – especially among new graduates – continue to restrict broader labor mobility.

As such, while the public sector has achieved notable Qatarization outcomes, future progress depends on rebalancing employment preferences, addressing skills mismatches, and linking education more directly with national development needs. The next subsection explores how the private sector has navigated these dynamics, with far more varied results.

3.2 Private Sector (Commercial and Industrial)

Qatarization outcomes in the private sector remain varied and uneven, with each subsector facing distinct structural and operational challenges. In 2023, only 2,203 Qataris entered private-sector employment – less than half the number in government – despite incentives and regulatory reforms aimed at increasing national participation (The Peninsula 2024a; Qatar Tribune 2024). The following subsections examine key industries and their respective progress.

3.2.1 Energy and Public Infrastructure Services

The oil, gas, and utilities sector in Qatar remains a cornerstone of the economy and has been a focal point for Qatarization efforts, aligned with the Qatar National Vision 2030 (EIA 2023; QatarEnergy LNG 2024; QNA 2025a). The Qatarization program targets 50% Qatari representation in key roles and 100% in non-specialist positions (Younis, Elsharnouby, and Elbanna 2023). Large entities like QatarEnergy show relatively high nationalization rates, particularly in managerial and technical positions, supported by initiatives such as the NOC National Development Programme to integrate Qatari talent (QNB 2024a; NOC n.d.). Despite this progress, technical and labor-intensive roles are still largely staffed by expatriates due to challenges like limited availability of specialized local talent and the training demands of high-skill positions (Al-Subaiey 2016; Younis, Elsharnouby, and Elbanna 2023).

Qatar's reliance on expatriates, whose numbers surged from 280,000 in 1997 to over 2 million by 2017, highlights structural barriers to fully achieving nationalization in these areas (Kabbani 2025b). QatarEnergy has been addressing these skill gaps through tailored initiatives like the NOC National Development Programme, which specifically targets recently graduated Qataris (QatarEnergy LNG 2021; NOC n.d.). These programs provide structured training to build competencies for specialized roles, complemented by vocational and technician certificate programs that align with the nation's strategic goals.

Additionally, the annual CEO Forum and fire training certifications emphasize leadership and technical expertise, directly supporting Qatar's broader energy sector needs (QatarEnergy LNG n.d., QatarEnergy n.d.b). It's this kind of targeted development that sets QatarEnergy apart in advancing Qatarization within highly technical fields.

The Qatarization Program, launched in 2000, aimed for 50% Qatari workforce participation in the energy sector by 2005 but achieved only about 28% (Jameel 2025, Gonzalez et al. 2008a). This gap also may reflect the specialized skill demands of the energy industry, where roles require extensive technical expertise, unlike more accessible sectors like hospitality. To address this, the sector has ramped up investments in training, scholarships, and partnerships with educational institutions to build local capacity (QatarEnergy n.d.a, 2024; QFZ 2024).

While Qatari representation is gradually increasing, systematic reporting on recent progress remains limited, highlighting ongoing challenges in meeting localization goals (Jameel 2025). Qatar's Qatarization Law No.12 of 2024, effective April 2025, exempts companies directly involved in petroleum exploration, production, petrochemicals, and those linked to QatarEnergy (ES 2024; Middle East Briefing 2024). The exemptions epitomize targeted economic realism. They shield a revenue-critical sector from localization risks while advancing Qatarization in less complex industries. As David Frazer of Fruuit Consulting notes, Qatar must "demonstrate its LNG is among the cleanest globally", a goal unattainable without specialized foreign talent (King 2025). This calibrated approach balances immediate competitiveness with long-term workforce development, ensuring hydrocarbon revenues continue funding diversification under Vision 2030 (Stubing 2024; Middle East Briefing 2024).

Table 1. Nationalization Trends in Energy and Public Infrastructure Services

Sector	Current Status	Key Challenges	Recent Efforts
Energy and Public Infrastructure	Moderate-to-high Qatarization in leadership roles (e.g., QatarEnergy)	Skill shortages in technical roles; heavy reliance on expatriates in key functions	National Development Programs; vocational tracks; targeted exemptions under Qatarization Law No. 12 of 2024

Source: *Adapted from QatarEnergy LNG (2021); NOC (n.d.); Al-Subaiey (2016); Younis, Elsharnouby, and Elbanna (2023); Kabbani (2025b); ES (2024); Middle East Briefing (2024).*

3.2.2 Finance and Banking

Qatar's financial sector has made measurable progress in nationalization under the broader framework of the Qatar National Vision 2030, which emphasizes cultivating a knowledge-based economy and reducing dependence on foreign labor (QIB 2022; QNB n.d.; Dalloul, Amanulla, and Elbanna 2021). Nationalization strategies have been particularly visible in major banks like Commercial Bank and Doha Bank, which have launched leadership development programs, internships, and fast-track career schemes tailored for Qataris (Commercial Bank 2024b,2025a,b; Doha Bank 2013).

Despite these efforts, Qatar's labor market remains structurally dominated by expatriate labor. According to official 2023 data, non-Qataris constitute over 94% of the total economically active population, a demographic reality that poses fundamental structural challenges to further localization (NPC 2025a). Within financial services, Qatar National Bank (QNB) and similar institutions have taken the lead in offering high-value local employment, especially in retail banking, customer service, and finance administration (QFCRA n.d.; The Peninsula 2024b). In contrast, insurance companies and investment firms have lagged, due in part to technical barriers and a limited pipeline of specialized local talent (Obino 2025; PwC 2023).

Qatar's financial sector has shown tangible progress in Qatarisation, particularly in business administration, retail banking, and insurance services. In Q3 2023, the number of Qataris employed in the private sector rose by 150 % year-on-year, with finance and insurance roles accounting for much of that increase (The Peninsula 2023; Qatar Tribune 2024). Although this surge predates the promulgation of Law No. 12 of 2024, it is broadly consistent with the policy momentum that culminated in the law, which now sets explicit nationalization targets across private-sector domains, including financial services (Qawl Fassel 2024; MoL 2024b). Major banks such as QNB and Commercial Bank are expanding Qatari representation in customer service and finance administration, yet highly specialized areas – fintech, capital markets, and investment banking – remain dominated by expatriates due to skill shortages and global expertise requirements.

Nonetheless, roles in fintech, capital markets, and investment banking remain dominated by expatriates due to complex regulatory knowledge, international exposure requirements, and skill gaps in the domestic labor supply (Kabbani 2025b). Policymakers and institutions are responding with strategic upskilling programs, including collaborations with financial training institutes, to better prepare nationals for these highly specialized fields (Qawl Fassel 2024).

In sum, while the finance and banking sector shows promising progress in localization – especially in customer-facing and administrative roles – it continues to face headwinds in technical domains. The contrast with slower-progress sectors like hospitality underscores the strategic prioritization of finance within Qatar's economic diversification agenda (GCO n.d.).

Table 2. Nationalization Trends in Finance and Banking

Sector	Current Status	Key Challenges	Recent Efforts
Finance & Banking	Notable progress in retail banking;	Skill gaps in fintech and investment	Law No. 12 of 2024; leadership programs (e.g., Commercial

Sector	Current Status	Key Challenges	Recent Efforts
	lagging in specialized roles	banking; high foreign expertise	Bank); rising participation in 2023

Source: *Adapted from The Peninsula (2023); Qatar Tribune (2024); Qawl Fassel (2024); MoL (2024b); Kabbani (2025b); GCO (n.d.).*

3.2.3 Education and Healthcare

The education and healthcare sectors in Qatar, though traditionally state-run, have seen growing private-sector participation – offering emerging avenues for Qatari employment. However, unlike the structured Qatarization goals in oil and gas, these sectors lack well-defined nationalization targets, especially within the private sphere (Younis, Elsharnouby, and Elbanna 2023; WHO EMRO 2023).

In education, the number of private schools expanded from 209 to 334 following reforms under the Education for a New Era (EFNE) initiative (Alkaabi 2025). While public investment remains significant – around $4.91 billion in 2023, or 9% of total national expenditure (ITA 2024b) – there are few explicit regulatory mandates for Qatari employment in private schools. Nonetheless, Qatarization policies increasingly encourage the hiring of nationals in administrative and academic roles through soft incentives and strategic subsidies (Al-Subaiey 2016; MoL 2024d).

Healthcare mirrors this pattern. While the public sector remains the primary employer through entities like Hamad Medical Corporation, private healthcare providers have expanded rapidly in recent years (Raf Healthcare Consultancy 2025). Government statements describe Qatar's healthcare system as "world-class" following major infrastructure and service upgrades, and the 2024 "Health for All" strategy aims to deepen private-sector collaboration and skill localization (QNA 2024b; KUNA 2025). Although explicit Qatarization quotas in private hospitals remain limited, recent initiatives – including national scholarship schemes and clinical residency tracks – are designed to build local capacity in technical and specialist roles – a trend supported by academic analyses of Qatar's health-care labour market (Goodman 2015).

Importantly, skill shortages continue to hamper progress. Both education and healthcare sectors still rely heavily on foreign professionals, despite receiving nearly 11% of Qatar's 2023 budget (Bertelsmann Stiftung 2024). Roles requiring advanced degrees – such as physicians, university faculty, and researchers – pose particular nationalization challenges. Government-led upskilling initiatives, such as doctoral scholarships and vocational training for medical technicians, are steps toward bridging this gap, though change remains incremental (GCO n.d., TAG-Educa News Agency 2018; MyPrivateTutor Qatar n.d.; QNA 2024a).

In contrast, sectors like hospitality struggle not only due to skill gaps but also cultural preferences that discourage Qatari engagement in lower-wage service roles (Amin and Cochrane 2023, Alsuwaidi 2020). Education and healthcare, therefore, stand out as moderately successful cases within the broader private-sector localization landscape – benefiting from public investments and policy attention, yet still grappling with slow nationalization in their private branches.

Table 3. Nationalization Trends in Education and Healthcare

Sector	Current Status	Key Challenges	Recent Efforts
Education	Significant public dominance; private education expanding	Lack of clear Qatarization quotas in private schools; prestige gaps	Informal hiring incentives; investment in vocational teacher training
Healthcare	Public sector employs twice as many as private sector	High skill requirements; limited formal hiring mandates	Growing training programs for nationals; healthcare investments with private partnerships

Source: *Adapted from Alkaabi (2025); ITA (2024b); MoL (2024d); Raf Healthcare Consultancy (2025); QNA (2024b); KUNA (2025); Goodman (2015); Bertelsmann Stiftung (2024); GCO (n.d.); TAG-Educa News Agency (2018); MyPrivateTutor Qatar (n.d.).*

3.2.4 Construction

Qatar's construction sector employs a total of 670,643 economically active individuals, of whom only 1,735 are Qatari nationals – approximately 0.26% – while 668,908 are non-Qataris, highlighting the sector's overwhelming reliance on expatriate labor (NPC 2024). Nationwide, expatriates comprised approximately 94% of Qatar's labor force in 2023 – equivalent to about 2.07 million non-Qatari workers out of 2.2 million – and Qatari nationals represented the remaining 6%, as reported by the Planning and Statistics Authority (Qatar Open Data Portal n.d.)).

This reliance is especially pronounced in construction, where in 2019 the sector absorbed 44.2% of Qatar's expatriate workforce (The Peninsula 2020). The industry's contribution to GDP – estimated at around 15% – is largely driven by mega-projects like those associated with the FIFA World Cup and rapid urban development (ITA 2024a).

Several factors underlie this imbalance. Cultural preferences among Qataris favor administrative or office-based employment in sectors perceived as more prestigious, such as government, banking, or education. Construction, viewed as labor-intensive and physically demanding, does not align with these preferences and is thus less attractive (Bel-Air 2017).

Despite initiatives like Ashghal's Certificate of Competency for construction professionals and national safety campaigns emphasizing worker qualification (Ashghal n.d.; HSI 2025), access to formal vocational pathways – such as the Level 5 Civil Engineering Diploma – remains limited for Qatari nationals (LSIB n.d.). This shortfall contributes to a persistent skills gap and constrains national participation in the sector.

Table 4. Nationalization Trends in the Construction Sector

Sector	Current Status	Key Challenges	Recent Efforts
Construction	Expatriate-dominated; minimal Qatari participation	Cultural perceptions; lack of technical training programs for locals	Reforms focus on legal protections; calls for technical training reforms

Source: *Adapted from NPC (2024); Abdallah, Dashper, and Fletcher (2023); Quest Search and Selection (2024); Alsuwaidi (2020); Kabbani (2025b); MCIT (2024a,b); Strategy Hub (2025); QFZ (n.d.); QNA (2025b); MoL (2024d); Al Thani (2024).*

3.2.4 Other Services (Retail, Hospitality, ICT, etc.)

Nationalization in service sectors such as retail, hospitality, and ICT presents unique challenges shaped by a combination of socio-cultural attitudes, labor market structures, and economic priorities. For instance, hospitality and retail roles – especially in front-line services – are often perceived by Qataris as low-prestige or non-strategic, resulting in low national participation despite Qatar's continued investment in luxury retail expansion (NPC 2024; Abdallah, Dashper, and Fletcher 2023; Quest Search and Selection 2024). This perception persists even though service excellence aligns with Qatar's cultural values of hospitality (Alsuwaidi 2020).

The labor market data supports this trend: as of 2023, Qatar maintained a national unemployment rate below 0.5%, reducing the incentive for locals to pursue low-wage or physically demanding jobs (Kabbani 2025b). Consequently, these industries remain heavily dependent on expatriate labor. The gendered dimension also matters – Qatari women, in particular, face added societal expectations that discourage participation in hospitality roles (Abdallah, Dashper, and Fletcher 2023).

In contrast, the ICT sector shows more potential for Qatarization. Higher salaries, perceived career prestige, and alignment with the country's digital transformation agenda make this field increasingly attractive to nationals (MCIT 2024a,b; Strategy Hub 2025; QFZ n.d.). However, skill mismatches persist. The pace of technological change has outstripped the supply of suitably trained local professionals, making workforce development in this area a priority.

Efforts to bridge these gaps include vocational training programs, career awareness campaigns, and partnerships between employers and schools. Initiatives like Career Village 2025, organized by the Qatar Career Development Center, aim to familiarize young nationals with emerging private-sector opportunities and counter cultural stigmas (QNA 2025b).

Looking ahead, meaningful progress in these sectors will depend on a dual strategy: enhancing sector-specific skill development and reframing the social narrative around service jobs. Success stories of Qataris excelling in non-traditional roles could help shift public perception. At the same time, stronger regulatory and institutional support will be critical to scale up national participation across these underrepresented areas (MoL 2024d; Al Thani 2024).

Table 5. Nationalization Trends in Other Services

Sector	Current Status	Key Challenges	Recent Efforts
Hospitality	Low Qatari representation; foreign labor dominant	Prestige concerns; gender norms; limited perceived career growth	Awareness campaigns; vocational training; cultural narrative shifts
Retail	Similar to hospitality; low nationalization	Lack of incentives; perceived job instability	School–employer partnerships; expansion of career development platforms

Sector	Current Status	Key Challenges	Recent Efforts
ICT	Emerging national interest	Skill mismatch with rapid technological growth	Digital transformation alignment; targeted training initiatives

Source: *Adapted from NPC (2024); Qatar Open Data Portal (n.d.); The Peninsula (2020); ITA (2024a); Bel-Air (2017); Ashghal (n.d.); HSI (2025); LSIB (n.d.).*

4. Cross-Cutting Policy Challenges

Despite efforts to tailor nationalization strategies to each sector, several persistent cross-cutting issues limit progress and sustainability across the board. This section synthesizes structural, cultural, and institutional constraints common to multiple industries.

4.1 Skills and Education Gaps

Qatar's labor market continues to experience significant gaps between educational outputs and industry demands. While many nationals pursue degrees in arts, business, and social sciences – fields well-represented at institutions like Qatar University and international branches such as Georgetown and Carnegie Mellon – there remains an acute shortage of technical and vocational graduates in critical sectors like engineering, manufacturing, and advanced ICT (Zaidan et al. 2025).

Recent analyses underscore the uneven implementation of Technical and Vocational Education and Training (TVET) in Qatar. A study of postsecondary TVET institutions highlights challenges such as limited program capacity and curriculum misalignment with labor market needs, resulting in underprepared graduates and persistent skill mismatches (Said, Pavlova, and Wheeler 2021; Ahmad et al. 2023).

Moreover, research published in *Heliyon* (2023) examines the evolving skill requirements of Qatar's rapidly diversifying economy – particularly in sectors such as construction and logistics – and calls for agile curriculum development and stronger industry–academy partnerships to close these gaps (Sellami et al. 2023). Similarly, transport and mobility studies emphasize the need for specialized technical diplomas and continuous professional development to meet advanced infrastructure and smart-city objectives (Amin and Cochrane 2023).

Although scholarship programs and new technical institutes have been established, the pace of reform remains insufficient. To better align nationalization efforts with workforce needs, Qatar must invest in scalable TVET infrastructure, recruit qualified trainers, and ensure hands-on access to modern equipment – key steps for enabling Qatari graduates to enter and thrive in complex, technical industries.

4.2 Cultural and Preference Barriers

Qatari employment choices are shaped by deep-rooted cultural norms, family responsibilities, and institutional incentives that favor stable, high-status roles in the public sector. Government and semi-government positions are prized for their job security, prestige, and favorable work–life balance, driving a disproportionate concentration of nationals in sectors such as education, healthcare, and public administration (Amin, Sakbani, and Tok 2024; Alkhayareen 2023).

In contrast, labor-intensive and high-growth private industries – construction, logistics, manufacturing, and hospitality – remain reliant on expatriate labor. Expatriates constitute more than 94% of construction jobs and continue to dominate other manual sectors, reflecting both a skills gap and societal perceptions that these roles lack prestige (Kabbani 2025b; The Peninsula 2020).

Economic and social disparities further influence these patterns: regional and sectoral inequalities highlighted by QatarCPD reveal that private-sector wages and career progression opportunities do not yet match public-sector benchmarks, limiting national participation (Mohseni 2025).

While diversification strategies under NDS3 encourage national engagement in tourism, ICT, and entrepreneurship, implementation is uneven. Enhanced career guidance, labor market awareness campaigns, and family-friendly workplace policies are necessary to shift perceptions and broaden the appeal of nontraditional employment paths for future Qatari graduates.

4.3 Private Sector Dynamics and Incentives

Qatar's expanding private sector – driven by diversification into finance, construction, ICT, and hospitality – has frequently outpaced the national labor supply. This is largely due to the demographic reality that Qatari nationals constitute a small fraction of the population relative to the overall workforce demand. In 2023, Qataris accounted for less than 20% of all workers in the private sector, despite targeted nationalization policies (NPC 2025c).

Small and medium-sized enterprises (SMEs), which are central to private sector growth, face additional constraints. Many lack the financial bandwidth or institutional frameworks to establish robust training pipelines or to compete with larger firms for qualified national talent (IMF. Middle East and Central Asia Dept. 2024; Al-Qahtani et al. 2022). Meanwhile, public sector roles remain significantly more attractive to Qataris, contributing to a limited supply of nationals available for private sector roles (NPC 2025c).

As a result, many private firms – especially in sectors like banking, ICT, and hospitality – continue to rely heavily on expatriate workers who possess the technical expertise, international exposure, and adaptability that align with business needs (Staffhouse 2025; Fragomen 2024).

To address this imbalance, Qatar has introduced private-sector nationalization mandates and reporting requirements under recent labor reforms. These include targeted employer incentives and penalties tied to Qatarization quotas, although challenges remain in enforcement and program effectiveness (MoL 2024b). One major barrier continues to be the mismatch between higher education outputs and private sector expectations – particularly for roles that demand technical skills or specialized qualifications (Younis, Elsharnouby, and Elbanna 2023; Elbanna and Fatima 2022).

Encouragingly, government-backed platforms like the QRDI Council's innovation portal now offer job-matching and sector-specific training programs to align skills with market needs (QRDI Council 2025; INNOLIGHT n.d.). Qatar's "Knowledge Transformation" strategy, highlighted by WAM, advances digital competencies and integrates workforce development under the Qatar

National Vision 2030 (WAM 2025). Additionally, a recent MOU between Ashghal and Qatar Development Bank establishes SME-focused training and financing schemes, empowering Qatari entrepreneurs with technical and managerial capabilities to support nationalization efforts (GCO 2024).

4.4 Gender Equity and Inclusion

Academic research highlights that cultural considerations, family responsibilities, and preferences for certain work environments continue to influence Qatari women's employment decisions and career trajectories (Felder and Vuollo 2008; Lari et al. 2022). While Qatar's Labor Law No. 14 of 2004 ensures equal pay for equal work and opportunities for training and promotion, persistent societal attitudes and workplace structures continue to create gendered barriers (Hazratji 2021).

The majority of employed Qatari women are concentrated in education, healthcare, and public administration – sectors aligned with both educational backgrounds and societal expectations. However, more recent trends suggest growing participation in fields like finance, IT, and business services, especially among younger cohorts (MyPrivateTutor Qatar n.d.; Alsuwaidi 2020). This shift reflects not only evolving norms but also the increasing emphasis on "quality Qatarization," which prioritizes meaningful and skilled employment over numerical targets.

According to Qatar Open Data, the female labor force participation rate for Qatari nationals stood at **43%** in 2023, compared to **65%** for Qatari men, indicating a gender gap of nearly 30 percentage points (NPC 2025b). Non-Qatari women had a higher participation rate of **68%**, reflecting different economic pressures and roles within the broader labor market (NPC 2025b).

International organizations such as the World Bank and UNESCWA also report that female labor participation in Qatar remains below the GCC average for nationals, despite steady improvements in education and workforce engagement (World Bank Gender Data Portal n.d.; ESCWA 2023).

To address the remaining disparities, Qatar is investing in sector-specific upskilling programs, leadership development for women, and labor market reforms that promote flexible working conditions. Public-sector recruitment and targeted campaigns have successfully increased female representation, but unlocking broader private-sector participation – especially in high-growth technical sectors – will require continued alignment of policy, education, and workplace reform.

Table 6. Labor Force Participation Rates by Nationality and Gender (Qatar, 2023)

Group (Nationality, Gender)	Participation rate (%)
Qatari Men	65%
Qatari Women	43%
Non-Qatari Men	97%

Group (Nationality, Gender)	Participation rate (%)
Non-Qatari Women	68%

Source: *Qatar Open Dara Portal - Labor Force Participation Rate (LFPR) by Nationality & Gender.*

4.5 Demographic and Capacity Constraints

Qatar's citizen population remains relatively small compared to the labor needs generated by its ambitious development agenda. The hiring of 7,182 Qataris in 2023 across both public and private sectors reflects continued progress toward nationalization goals. However, this figure remains modest when assessed against the broader labor force: expatriates constituted over 99% of private sector wage earners in 2023 (The Peninsula 2024a; Qatar Open Data Portal n.d.). Large-scale infrastructure initiatives, particularly those associated with the FIFA World Cup and Qatar National Vision 2030, have substantially increased short-term labor demand – especially in construction, logistics, and service-related sectors that typically see low participation from nationals (NPC 2024). As a result, the demographic reality presents a long-standing constraint on expanding Qatarization at scale.

Furthermore, the labor force participation rate for Qatari nationals stood at approximately 54% in 2023, revealing a relatively limited pool of economically active citizens compared to expatriate cohorts, which often exhibit participation rates exceeding 90% in prime working age brackets (Qatar Open Data Portal n.d.).

These demographic and participation dynamics are compounded by structural factors such as educational mismatches, prevailing preferences for public sector employment, and limited attraction to low-prestige or physically demanding sectors (Sayre, Benmansour, and Constant 2015; Al-Subaiey 2016; Younis, Elsharnouby, and Elbanna 2023).

Experts increasingly argue that addressing these challenges requires a shift away from quota-focused approaches toward systemic reform (Elbanna and Fatima 2022). This includes aligning educational programs with labor market demands, enhancing vocational readiness, and improving incentives for both job seekers and employers. A strategic HRM perspective emphasizes the importance of long-term investments in skills development, institutional capacity, and policy coherence, rather than over-reliance on numerical targets alone (Elbanna et al. 2021; Kabbani 2025a).

5. Conclusion

Qatar's Qatarization strategy has evolved significantly, shifting from numerical employment targets to a more strategic focus on sector-specific skill development, systemic educational reforms, and institutional adaptability. This report emphasizes that success in workforce nationalization varies significantly across sectors, influenced by factors such as the alignment of educational outputs with industry demands, cultural attitudes toward employment, gender dynamics, and demographic constraints.

Efforts in sectors like finance and energy highlight successful pathways to localization through targeted training, leadership development programs, and clear regulatory frameworks.

Conversely, sectors such as construction, hospitality, retail, and ICT present ongoing challenges due to persistent skill gaps, cultural preferences, and limited attractiveness of certain roles to Qatari nationals. Moreover, the importance of gender-inclusive policies and frameworks is underscored by the lower female labor participation rates among nationals.

Future Qatarization efforts should prioritize enhancing educational alignment with labor market needs, particularly in vocational and technical education, while simultaneously addressing cultural barriers through awareness initiatives and structured incentives. Additionally, the continued development of predictive analytics and robust monitoring systems will be essential to effectively anticipate labor market trends and adapt policies proactively. Stakeholder collaboration between government entities, private sector organizations, and educational institutions remains crucial to sustainable and inclusive workforce nationalization.

Key Takeaways:

1. **Sector-specific Tailoring:** Qatarization effectiveness requires nuanced, sector-specific approaches addressing unique workforce challenges and opportunities.

2. **Enhanced Educational Alignment:** Closing skill gaps through strengthened vocational and technical education infrastructure is fundamental for meaningful nationalization.

3. **Addressing Cultural Barriers:** Proactive initiatives to reshape employment perceptions and enhance the attractiveness of private sector roles are needed.

4. **Gender Equity Integration:** Ongoing investment in policies and programs promoting gender-inclusive workforce participation is critical.

5. **Strategic Institutional Collaboration:** Effective Qatarization relies on coordinated efforts between government, educational institutions, and industry to create sustainable employment pathways.

In conclusion, Qatar's continued commitment to strategic and targeted Qatarization policies will be vital to ensuring balanced economic growth, inclusive employment, and long-term national development.

Acknowledgement:
This study was developed as part of the labor market research initiatives undertaken by the Ministry of Labor of Qatar. We gratefully acknowledge the Ministry's support in providing guidance and resources, which enabled a thorough examination of the mechanisms – quotas, wage support, tax incentives – used to integrate Qatari nationals into private-sector employment, and in analyzing broader sectoral trends affecting national workforce participation.

6. References

1. Abdallah, Gulbahar, Katherine Dashper, and Thomas Fletcher. 2023. "The (in)Hospitality of Qatar for Migrant Women Workers: A Case Study in the Hospitality Industry." *Hospitality & Society*, December, 1–21. https://doi.org/10.1386/hosp_00071_1.

2. Ahmad, Zubair, Mohammad Ammar, Nitha Siby, Jolly Bhadra, Abdellatif Sellami, and Noora Al-Thani. 2023. "Do Research Experience Programs Promote Capacity Building in

Qatar: Investigating the Trend and Participation Differences." *Heliyon* 9 (11). https://doi.org/10.1016/j.heliyon.2023.e22071.

3. Al Thani, Sheikha Dr. Athba Bint Thamer. 2024. "Qatarization: Great Ambition and Volatile Preparation." The Peninsula. May 14, 2024. Accessed June 8, 2025. https://thepeninsulaqatar.com/opinion/14/05/2024/qatarization-great-ambition-and-volatile-preparation.
4. Al-Asfour, Ahmed, James Rajasekar, and Aynur Charkasova. 2022. "Challenges to the Workforce Localization in the Private Sector in Gulf Countries: Content Analysis." *Asian Journal of Middle Eastern and Islamic Studies* 16 (2): 1–17. https://doi.org/10.1080/25765949.2022.2098582.
5. Alkaabi, Nouf. 2025. "The Expanding Private School Market in Qatar: Exploring the Consequences." In *The Future of Education Policy in the State of Qatar. Gulf Studies*, 21:213–31. Singapore: Springer. https://doi.org/10.1007/978-981-97-9667-0_11.
6. Alkhayareen, Abdulhadi. 2023. "Evaluation of the International Labor Organization Project in Qatar." *QScience Connect (Special Issue-Thesis)* 2023 (1). https://doi.org/10.5339/connect.2023.spt.2.
7. Al-Qahtani, Muneera, Mariem Zguir, Luluwah Al-Fagih, and Muammer Koç. 2022. "Women Entrepreneurship for Sustainability: Investigations on Status, Challenges, Drivers, and Potentials in Qatar." *Sustainability* 14 (7): 4091. https://doi.org/10.3390/su14074091.
8. Alsayegh, Osamah. 2025. "Workforce Transitions in Gulf Economies Amid Global Energy Shifts." *Rice University's Baker Institute for Public Policy*. Rice University's Baker Institute for Public Policy. Accessed June 8, 2025. https://doi.org/10.25613/JAWE-X948.
9. Al-Subaiey, Maryam. 2016. "Qatarization Policy – Implementation Challenges." *Brookings*. Brookings Doha Center. Accessed June 8, 2025. https://www.brookings.edu/wp-content/uploads/2016/07/06_bdc_essay_winner.pdf.
10. Alsuwaidi, Mariam. 2020. "The Employability of Qatari Citizens in the Hospitality Sector: Current Challenges and Future Prospects." Master's thesis, Qatar University College of Business and Economics. https://www.academia.edu/99597855/The_Employability_of_Qatari_Citizens_in_the_Hospitality_Sector_Current_Challenges_and_Future_Prospects.
11. Amin, Hira, and Logan Cochrane. 2023. "The Development of the Education System in Qatar: Assessing the Intended and Unintended Impacts of Privatization Policy Shifts." *British Journal of Middle Eastern Studies* 51 (5): 1091–1111. https://doi.org/10.1080/13530194.2023.2198688.
12. Amin, Hira, Khoulood Sakbani, and Evren Tok. 2024. "State Aspirations for Social and Cultural Transformations in Qatar." *Social Sciences* 13 (7): 359. https://doi.org/10.3390/socsci13070359.
13. Anani, Ahmad, Jihane Rizk, and Sevcan Aydemir. 2024. "Qatar's Strategic Shift to National Workforce Empowerment." Society for Human Resource Management (SHRM). November 13, 2024. Accessed June 8, 2025. https://www.shrm.org/topics-

tools/employment-law-compliance/qatar-s-strategic-shift-to-national-workforce-empowerment.

14. Arugay, Richelle. 2021. "The Changing Landscape of Human Resource Management in a Qatarization Environment: A Literature Review." *JPAIR Multidisciplinary Research* 43 (1). https://doi.org/10.7719/jpair.v43i1.713.
15. Ashghal. n.d. "Who Needs a Certificate of Competency?" Accessed June 11, 2025. https://www.ashghal.gov.qa/en/QualityCertificates/Pages/CertificateOfCompetency.aspx.
16. Bel-Air, Françoise. 2017. "Demography, Migration, and the Labour Market in Qatar." GLMM-EN-No. 3/2017. *Gulf Labour Markets, Migration and Population (GLMM)*. Gulf Labour Markets, Migration and Population Programme (GLMM) of the Migration Policy Center (MPC) and the Gulf Research Center (GRC). Accessed June 11, 2025. https://gulfmigration.grc.net/demography-migration-labour-market-qatar/.
17. Bertelsmann Stiftung. 2024. "BTI 2024 Country Report – Qatar." Gütersloh: Bertelsmann Stiftung. 2024. Accessed June 8, 2025. https://bti-project.org/en/reports/country-report/QAT.
18. Bureau of Economic and Business Affairs (EB). 2021. "Custom Report Excerpts:: Qatar, Russia, Saudi Arabia, Turkey, United Arab Emirates, United Kingdom." United States Department of State. season-01 2021. Accessed June 7, 2025. https://www.state.gov/report/custom/0fd3fe41b5-2/.
19. Civil Service and Government Development Bureau. 2024. "The Civil Service and Government Development Bureau Organizes the 1st Edition of the Qatar Government Excellence Award Under the Patronage of the Prime Minister and Minister of Foreign Affairs." February 25, 2024. Accessed June 8, 2025. https://www.cgb.gov.qa/En/MediaCenter/News/Pages/news-details.aspx?itemID=73.
20. Commercial Bank. 2024a. "Commercial Bank Reinforces Commitment to Developing Qatari Nationals and Cultivating Future Leaders." June 19, 2024. Accessed June 7, 2025. https://www.cbq.qa/en/about-us/news/list/commercial-bank-reinforces-commitment-to-developing-qatari-nationals-and-cultivating-future-leaders.
21. – – –. 2024b. "Commercial Bank Reinforces Commitment to Developing Qatari Nationals and Cultivating Future Leaders." June 19, 2024. Accessed June 10, 2025. https://www.cbq.qa/en/about-us/news/list/commercial-bank-reinforces-commitment-to-developing-qatari-nationals-and-cultivating-future-leaders.
22. – – –. 2025a. "Celebrating Commercial Bank's Partnership With the Ministry of Labor: Launch of the Tawteen Initiative." February 19, 2025. Accessed June 10, 2025. https://www.cbq.qa/en/about-us/news/list/launch-of-the-tawteen-initiative#:~:text=Doha%2C%20Qatar%3A%20Commercial%20Bank%2C,with%20Qatar%20National%20Vision%202030.
23. – – –. 2025b. "Commercial Bank Launches Barzan Leadership Development Program." February 25, 2025. Accessed June 10, 2025. https://cbq.qa/en/about-us/news/list/commercial-bank-launches-barzan-leadership-development-program.

24. Council of Ministers Secretariat General. n.d. "Third Qatar National Development Strategy 2024-2030." Accessed June 7, 2025. https://cm.gov.qa/en/Pages/Third-Qatar-National-Development-Strategy-2024-2030.aspx.

25. Dalloul, Abdalrahman, Rashad Amanulla, and Said Elbanna. 2021. "Nationalization of Workforce in the GCC Banking Sector: The Case of Alpha Bank in Qatar, the Case Centre." *Qatar University Case Study*, June. https://www.researchgate.net/publication/352786878_Nationalization_of_workforce_in_the_GCC_banking_sector_The_case_of_Alpha_Bank_in_Qatar_The_Case_Centre.

26. Doha Bank. 2013. "Training and Career Development in Doha Bank." July 11, 2013. Accessed June 10, 2025. https://qa.dohabank.com/training-and-career-development-in-doha-bank/.

27. Economic and Social Commission for Western Asia (ESCWA). 2023. "Qatar National Gender Lens Pocketbook 2022." E/ESCWA/CL4.SIT/2022/POCKETBOOK.1. *Economic and Social Commission for Western Asia (ESCWA)*. United Nations. Accessed June 11, 2025. https://www.unescwa.org/sites/default/files/inline-files/gender-lens-gap-pocket-book-Qatar-english.pdf.

28. Elbanna, Said, and Tahniyath Fatima. 2022. "Quantifying People in the GCC Region: The Uses, Challenges, and Efficacy of the Quota System Policy." *Human Resource Development International* 26 (3): 292–316. https://doi.org/10.1080/13678868.2022.2116260.

29. Elbanna, Said, Shatha Obeidat, Heba Younis, and Tamer Elsharnouby. 2021. *An Evidence-Based Review on Nationalization of Human Resources in the GCC Countries. "The Implementation of Qatarization Strategy: The Status Quo, Challenges and Remedies." The Administrative Sciences AssociationAt: Canada*. http://hdl.handle.net/10576/44268.

30. Emirates News Agency (WAM). 2025. "Qatar's Knowledge Transformation: Shaping Diversified, Sustainable Economic Model." May 28, 2025. Accessed June 11, 2025. https://www.wam.ae/en/article/bjwhda1-qatars-knowledge-transformation-shaping.

31. Erumban, Abdul, and Abbas Al-Mejren. 2024. "Expatriate Jobs and Productivity: Evidence From Two GCC Economies." *Structural Change and Economic Dynamics* 71 (December): 248–60. https://doi.org/10.1016/j.strueco.2024.07.007.

32. Eversheds Sutherland (ES). 2024. "Qatarisation and the Future of Employment in Qatar." November 1, 2024. Accessed June 8, 2025. https://www.eversheds-sutherland.com/en/estonia/insights/qatarisation-and-the-future-of-employment-in-qatar.

33. Fasano-Filho, Ugo, and Rishi Goyal. 2004. "Emerging Strains in GCC Labor Markets." *IMF Working Papers* 04 (71): 1–36. https://doi.org/10.5089/9781451849271.001.

34. Felder, Dell, and Mirka Vuollo. 2008. "Qatari Women in the Workforce." WR-612-QATAR. *RAND*. Santa Monica, CA: RAND Corporation. Accessed June 11, 2025. https://www.rand.org/content/dam/rand/pubs/working_papers/2008/RAND_WR612.pdf.

35. Fragomen. 2024. “Qatar: New Digital Initiatives to Facilitate Retention of Local Talent.” August 19, 2024. Accessed June 11, 2025. https://www.fragomen.com/insights/qatar-new-digital-initiatives-to-facilitate-retention-of-local-talent.html.

36. General Secretariat For Development Planning (GSDP). 2008. “Qatar National Vision 2030.” Press release. July 2008. Accessed May 22, 2025. https://www.npc.qa/en/QNV/Documents/QNV2030_English_v2.pdf.

37. Gonzalez, Gabriella, Lynn A. Karoly, Louay Constant, Hanine Salem, and Charles A. Goldman. 2008a. *Facing Human Capital Challenges of the 21st Century: Education and Labor Market Initiatives in Lebanon, Oman, Qatar, and the United Arab Emirates*. RAND Corporation. https://www.rand.org/content/dam/rand/pubs/monographs/2008/RAND_MG786.pdf.

38. Gonzalez, Gabriella, Lynn Karoly, Louay Constant, Hanine Salem, and Charles Goldman. 2008b. “Human Resource Challenges and Reform Efforts in Qatar, UAE, Oman, and Lebanon.” In *Facing Human Capital Challenges of the 21st Century: Education and Labor Market Initiatives in Lebanon, Oman, Qatar, and the United Arab Emirates: Executive Summary*, 1st ed, 29–46. RAND Corporation. https://www.jstor.org/stable/10.7249/mg786-1rc.9.

39. Goodman, Annekathryn. 2015. “The Development of the Qatar Healthcare System: A Review of the Literature.” *International Journal of Clinical Medicine* 06 (03): 177–85. https://doi.org/10.4236/ijcm.2015.63023.

40. Government Communications Office (GCO). 2024. “Ashghal and Qatar Development Bank Sign MoU to Support SMEs.” LinkedIn. September 18, 2024. Accessed June 11, 2025. https://www.linkedin.com/pulse/ashghal-qatar-development-bank-sign-mou-support-smes-gcoqatar-ijdye/.

41. – – –. n.d. “Qatar National Vision 2030: A Roadmap for Transformation.” Accessed June 8, 2025. https://www.gco.gov.qa/en/state-of-qatar/qatar-national-vision-2030/our-story/.

42. Hazratji, Zehra. 2021. “Labor Rights of National Women in the GCC.” *Astrolabe: A CIS Student Research Journal, (3)*, no. 3 (September): 1–3. https://www.hbku.edu.qa/sites/default/files/womenlabourrights.pdf.

43. Health & Safety International (HSI). 2025. “Qatar Prioritises Construction Worker Safety With New Campaign.” February 5, 2025. Accessed June 11, 2025. https://www.healthandsafetyinternational.com/article/1905137/qatar-prioritises-construction-worker-safety-new-campaign.

44. HEC Paris, Doha. 2021. “Qatar Succeeding in Engaging Female Participation in Realizing National Vision 2030.” June 2021. Accessed June 8, 2025. https://www.qatar.exed.hec.edu/article/Women_QNV2030.

45. ILO Project Office for the State of Qatar. 2025. “Progress Report on the Technical Cooperation Programme Between the Government of Qatar and the ILO.” *International Labour Organization (ILO)*. Accessed June 8, 2025.

https://www.ilo.org/sites/default/files/2025-02/ILO-Qatar%20Annual%20Report%202024.pdf.

46. INNOLIGHT. n.d. "Connect Collaborate Create." Accessed June 11, 2025. https://innolight.qrdi.org.qa/.

47. International Monetary Fund (IMF). Middle East and Central Asia Dept. 2024. "Qatar: Selected Issues." *IMF Staff Country Reports*, no. 2024(044) (February). https://doi.org/10.5089/9798400267321.002.A001.

48. – – – . 2025. "Qatar: 2024 Article IV Consultation-Press Release; Staff Report; and Statement by the Executive Director for Qatar." Volume 2025: Issue 047. *IMF eLibrary*. International Monetary Fund (IMF). Accessed June 7, 2025. https://doi.org/10.5089/9798229001069.002.A001.

49. International Trade Administration (ITA). 2024a. "Qatar Country Commercial Guide: Architecture, Engineering, & Construction." July 29, 2024. Accessed June 11, 2025. https://www.trade.gov/country-commercial-guides/qatar-architecture-engineering-construction.

50. – – – . 2024b. "Qatar Country Commercial Guide: Education Training and Equipment." July 29, 2024. Accessed June 10, 2025. https://www.trade.gov/country-commercial-guides/qatar-education-training-and-equipment.

51. – – – . 2024c. "Qatar Country Commercial Guide: Digital Economy." September 30, 2024. Accessed June 8, 2025. https://www.trade.gov/country-commercial-guides/qatar-digital-economy.

52. Jameel, Ramsha. 2025. "What Is Qatarization?: Explore Qatarization, a National Strategy to Increase Qatari Workforce Participation." Qureos. May 3, 2025. Accessed June 8, 2025. https://www.qureos.com/hiring-guide/what-is-qatarization#:~:text=2000%3A%20The%20most%20comprehensive%20Qatarization,energy%20workforce%20by%20the%20deadline.

53. Kabbani, Nader. 2025a. "ERF Policy Brief: Workforce Development During Qatar's Economic Transition." PB 149. *Economic Research Forum (ERF)*. Economic Research Forum (ERF). Accessed June 12, 2025. https://erf.org.eg/publications/workforce-development-during-qatars-economic-transition/?tab=undefined&c=undefined.

54. – – – . 2025b. "Qatarisation: Playing the Long Game on Workforce Nationalisation." Economic Research Forum (ERF). January 14, 2025. Accessed June 8, 2025. https://theforum.erf.org.eg/2025/01/14/qatarisation-playing-the-long-game-on-workforce-nationalisation/.

55. Khadri, Sabah. 2018. "Highly-Skilled Professionals in the GCC: Migration Policies and Government Outlook." In *Migration to the Gulf: Policies in Sending and Receiving Countries*. Gulf Research Center (GRC). https://gulfmigration.grc.net/media/pubs/book/grm2017book_chapter/Volume%20-%20Migration%20to%20Gulf%20-%20Chapter%205.pdf.

56. Khodr, Hiba. 2011. "The Dynamics of International Education in Qatar : Exploring the Policy Drivers Behind the Development of Education City." *Journal of Emerging Trends in*

Educational Research and Policy Studies 2 (6): 514–25. https://www.scholarlinkinstitute.org/jeteraps/articles/The%20Dynamics%20of%20International%20Education%20in%20Qatar.pdf.

57. King, James. 2025. "Qatar Doubles Down on Gas Production: Economic Growth to Be Sustained by Natural Gas, Unlike Other GCC Countries." fDi Intelligence. June 2025. Accessed June 8, 2025. https://www.fdiintelligence.com/content/296447ac-8b73-46b9-81f4-942bea76ac87.

58. Kuwait News Agency (KUNA). 2025. "'Health for All'… Qatar's Nat'l Strategy for World Class Healthcare: Health Report by Qatar News Agency (QNA) as Part of the Federation of Arab News Agencies (FANA) Health File." ZAWYA by LSEG. April 14, 2025. Accessed June 10, 2025. https://www.zawya.com/en/economy/gcc/health-for-all-qatars-natl-strategy-for-world-class-healthcare-mjclj7hc.

59. Lari, Noora, Amal Awadalla, Mohammad Al-Ansari, and Engi Elmaghraby. 2022. "Determinants of Female Labor Force Participation: Implications for Policy in Qatar." *Cogent Social Sciences* 8 (1): 1–19. https://doi.org/10.1080/23311886.2022.2130223.

60. London School of International Business (LSIB). n.d. "Civil Engineering Diploma Level 5 Qatar." Accessed June 11, 2025. https://www.lsib.ae/searchterm.aspx?id=5036&CourseTitle=Civil+Engineering+Diploma+Level+5+Qatar.

61. Middle East Briefing. 2024. "Qatarisation Law No. 12/2024: Implications for Qatar's Construction Sector and Private Enterprises." December 18, 2024. Accessed June 8, 2025. https://www.middleeastbriefing.com/news/qatarisation-law-no-12-2024-implications-for-qatars-construction-sector-and-private-enterprises/.

62. Middle East Council on Global Affairs (MECGA). 2023. "After the World Cup: Building a World-Class Public Administration in Qatar." June 25, 2023. Accessed June 8, 2025. https://mecouncil.org/publication/after-the-world-cup-building-a-world-class-public-administration-in-qatar/.

63. Ministry of Commerce and Industry (MOCI). 2025. "Qatar National Manufacturing Strategies 2024-2030." *Ministry of Commerce and Industry (MOCI)*. Accessed June 8, 2025. https://www.moci.gov.qa/wp-content/uploads/2024/12/MOCI_INDUSTRY_SECTOR_STRATEGY-BOOK_2-EN20241014.pdf.

64. Ministry of Communications and Information Technology (MCIT). 2024a. "Digital Agenda 2030." *Ministry of Communications and Information Technology (MCIT)*. Accessed May 14, 2025. https://www.mcit.gov.qa/wp-content/uploads/sites/4/2024/09/digital_agenda_2030_full_version_english.pdf.

65. – – –. 2024b. "MCIT Unveils Innovative Programs to Attract ICT Sector Skilled Professionals and Foster Innovation." February 18, 2024. Accessed June 11, 2025. https://www.mcit.gov.qa/en/news/mcit-unveils-innovative-programs-to-attract-ict-sector-skilled-professionals-and-foster-innovation/.

66. – – – . 2024c. "MCIT Forms 'Digital Skills Working Group' to Foster Digital Skills Development in Government Entities." December 29, 2024. Accessed June 7, 2025. https://www.mcit.gov.qa/en/news/mcit-forms-digital-skills-working-group-to-foster-digital-skills-development-in-government-entities/.

67. Ministry of Labour (MoL). 2024a. "Ministry of Labour Signs Cooperation Agreement With the United Nations Economic and Social Commission for Western Asia (ESCWA) to Develop the Labour Market Information System." April 29, 2024. Accessed May 25, 2025. https://www.mol.gov.qa/En/MediaCenter/Pages/NewsDetails.aspx?itemid=389.

68. – – – . 2024b. "Ministry of Labour Highlights Law No. (12) of 2024 on Job Nationalization in the Private Sector." September 1, 2024. Accessed June 7, 2025. https://www.mol.gov.qa/En/mediacenter/Pages/NewsDetails.aspx?itemid=458.

69. – – – . 2024c. "Under the Patronage of His Excellency the Prime Minister and Minister of Foreign Affairs, the Minister of Labour Unveils the National Strategy for an Effective and Highly Productive Workforce 2024–2030." November 5, 2024. Accessed June 7, 2025. https://www.mol.gov.qa/En/mediacenter/Pages/NewsDetails.aspx?itemid=500.

70. – – – . 2024d. "Ministry of Labour Hosts Discussion Panel on Nationalization Plan." November 25, 2024. Accessed June 8, 2025. https://www.mol.gov.qa/En/mediacenter/Pages/NewsDetails.aspx?itemid=514.

71. – – – . 2024e. "Ministry of Labour Announces MOL360 Initiative to Transform Qatar's Labour Market in Collaboration With Microsoft." December 11, 2024. Accessed June 8, 2025. https://www.mol.gov.qa/En/mediacenter/Pages/NewsDetails.aspx?itemid=530.

72. Mohamed, Hazem. 2021. "The Labor Market in Qatar: Qataris, Non-Qataris, and Youth in the Workforce." *International Journal of Creativity and Innovation in Humanities and Education (IJCIHE)* 4 (2): 62–76. https://doi.org/10.21608/ijcihe.2021.246832.

73. Mohiuddin, Azeem. 2025. "Advancing Qatarisation Through a Strategic Vision for a Future-Ready Workforce." Fragomen. April 29, 2025. Accessed June 8, 2025. https://www.fragomen.com/insights/advancing-qatarisation-through-a-strategic-vision-for-a-future-ready-workforce.html.

74. Mohseni, Mohammad. 2025. "Economic Disparities and Workplace Inequalities: The Migrant Worker Experience in Qatar." Qatar Centre for Peace and Democracy (QCPD). May 30, 2025. Accessed June 11, 2025. https://qatarcpd.com/economic-disparities-and-workplace-inequalities-in-qatar/.

75. MyPrivateTutor Qatar. n.d. "Qatari Women Are Dominating the Filed of Science: An Abridgement." Accessed June 11, 2025a. https://www.myprivatetutor.qa/blog/qatari-women-are-dominating-the-filed-of-science-an-abridgement.

76. – – – . n.d. "Qatar's Education: Building a Future Workforce." MyPrivateTutor. Accessed June 11, 2025b. https://www.myprivatetutor.qa/blog/qatars-education-building-a-future-workforce.

77. National Planning Council (NPC). 2024. "Labor Force Sample Survey 2023 Annual Bulletin." *National Planning Council (NPC)*. National Planning Council (NPC). Accessed May 13, 2025.

https://www.npc.qa/en/statistics/Statistical%20Releases/Social/Labor%20Force/Annual_Bulletin_Labour_force_2023_AE.pdf.

78. – – – . 2025a. "Economically Active Population (15 Years & Above) by Nationality & Gender - Copy." Qatar Open Data Portal. June 2, 2025. Accessed June 10, 2025. https://www.data.gov.qa/explore/dataset/economically-active-population-15-years-above-by-nationality-gender-copy/table/?sort=year.

79. – – – . 2025b. "Labor Force Participation Rate (LFPR) by Nationality & Gender - Copy." Qatar Open Data Portal. June 2, 2025. Accessed June 11, 2025. https://www.data.gov.qa/explore/dataset/labor-force-participation-rate-lfpr-by-nationality-gender-copy/table/?disjunctive.category&sort=-year.

80. – – – . 2025c. "Percentage of Qataris in Private Sector of Total Qataris Labor Force During 2019–2023 - Copy." Qatar Open Data Portal. June 2, 2025. Accessed June 11, 2025. https://www.data.gov.qa/explore/dataset/percentage-of-qataris-in-private-sector-of-total-qataris-labor-force-during-2019-2023-copy/information/.

81. North Oil Company (NOC). n.d. "Nationalization." Accessed June 8, 2025. https://www.noc.qa/Careers/Nationalization.

82. Obino, Gabriele. 2025. "Breaking Down Barriers in Insurance: Why Sharing Data Matters." *Gulf Business*, June 4, 2025. Accessed June 10, 2025. https://gulfbusiness.com/breaking-insurance-barriers-data-sharing-matters/.

83. Peyton, Antony. 2016. "Qatar Islamic Bank Launches Mobile App for Banking Training." FinTech Futures. August 24, 2016. Accessed June 7, 2025. https://www.fintechfutures.com/digital-banking/qatar-islamic-bank-launches-mobile-app-for-banking-training.

84. Planning and Statistics Authority (PSA). 2018. "Qatar Second National Development Strategy 2018-2022." *National Planning Council (NPC)*. Accessed June 8, 2025. https://www.psa.gov.qa/en/knowledge/Documents/NDS2Final.pdf.

85. – – – . 2024. "Third Qatar National Development Strategy 2024–2030." Press release. January 2024. Accessed June 8, 2025. https://www.npc.qa/en/planning/nds3/Documents/QNDS3_EN.pdf.

86. PricewaterhouseCoopers (PwC). 2022. "Qatar's Manufacturing Sector: Bridging the Skills Gap." *PricewaterhouseCoopers (PwC)*. Accessed June 8, 2025. https://www.pwc.com/m1/en/publications/documents/qatars-manufacturing-sector-bridging-the-skills-gap-to-drive-sector-growth.pdf.

87. – – – . 2023. "Insurance 2030: What's Your Future?" *PricewaterhouseCoopers (PwC)*. Accessed June 10, 2025. https://www.pwc.com/us/en/industries/financial-services/library/future-of-insurance-2030.html.

88. Qatar Free Zones Authority (QFZ). 2024. "QFZ And Siemens Energy Sign MoU to Facilitate the Establishment of a Regional Service Center." May 14, 2024. Accessed June 8, 2025. https://qfz.gov.qa/qfz-and-siemens-energy-sign-mou-to-facilitate-the-establishment-of-a-regional-service-center/.

89. – – – . n.d. “Emerging Technologies: QFZ Is Determined to See the Middle East’s 4th Industrial Revolution Start in Our Zones.” Accessed June 11, 2025. https://qfz.gov.qa/industries_/emerging-technologies/.

90. Qatar Islamic Bank (QIB). 2022. “QIB Honoured by Ministry of Labour for Its Qatarization Efforts.” October 2, 2022. Accessed June 10, 2025. https://www.qib.com.qa/en/news/qib-honoured-by-ministry-of-labour-for-its-qatarization-efforts/.

91. Qatar National Bank (QNB). 2024a. “Daily Market Report.” *Qatar National Bank (QNB)*. Qatar Islamic Bank (QIB). Accessed June 8, 2025. https://www.qnb.com/sites/qnb/qnbfs/document/en/arDMR15January2024.

92. – – – . 2024b. “QNB’s Emerging Leaders Program: Empowering Future Bank Leaders Through Comprehensive Training.” October 15, 2024. Accessed June 7, 2025. https://www.qnbalahli.com/sites/qnb/qnbglobal/en/ennews10102024news.

93. – – – . n.d. “Qatarisation: Supporting Local Talents.” Accessed June 10, 2025. https://www.qnb.com/sites/qnb/qnbglobal/page/en/ennationalisation.html.

94. Qatar News Agency (QNA). 2024a. “MOEHE Announces Updated Government Scholarship Plan for Academic Year 2024/2025.” January 30, 2024. Accessed June 11, 2025. https://qna.org.qa/en/news/news-details?id=0049-moehe-announces-updated-government-scholarship-plan-for-academic-year-20242025&date=30/01/2024.

95. – – – . 2024b. “Qatar’s Healthcare Sector World Class Thanks to Unprecedented Achievements.” April 12, 2024. Accessed June 10, 2025. https://qna.org.qa/en/news/special-news-details?id=0006-qatar%27s-healthcare-sector-world-class-thanks-to-unprecedented-achievements&date=15/04/2024.

96. – – – . 2025a. “Minister of State for Energy Affairs: Qatarization Is Key Strategic Goal for Energy Sector.” May 15, 2025. Accessed June 8, 2025. https://qna.org.qa/en/news/news-details?id=minister-of-state-for-energy-affairs-qatarization-is-key-strategic-goal-for-energy-sector&date=15/05/2025.

97. – – – . 2025b. “QCDC Wraps Up Career Village 2025.” May 24, 2025. Accessed June 11, 2025. https://qna.org.qa/en/news/news-details?id=qcdc-wraps-up-career-village-2025&date=24/05/2025.

98. Qatar Open Data Portal. n.d. “Labor Force in Qatar.” Accessed June 11, 2025. https://www.data.gov.qa/pages/datastory/.

99. Qatar Research, Development and Innovation (QRDI) Council. 2025. “From Ideas to Action: How QRDI Council’s Bootcamp Helps SMEs Thrive in a Competitive Market.” February 1, 2025. Accessed June 11, 2025. https://qrdi.org.qa/en-US/News-Details/Id/172.

100. – – – . n.d. “National Ambition.” Accessed June 8, 2025. https://qrdi.org.qa/en-us/National-Ambition.

101. Qatar Tribune. 2024. “7,182 Qataris Got Employment in Both Govt & Pvt Sectors in 2023.” *Qatar Tribune*, January 15, 2024. Accessed June 8, 2025. https://www.qatar-

tribune.com/article/102462/front/7182-qataris-got-employment-in-both-govt-pvt-sectors-in-2023#:~:text=Women%20accounted%20for%20the%20largest,Qataris%20within%20the%20government%20sector.

102. QatarEnergy. 2024. "QatarEnergy 2023 Sustainability Report." *QatarEnergy*. QatarEnergy. Accessed June 8, 2025. https://www.qatarenergy.qa/en/MediaCenter/Publications/QatarEnergy 2023 Sustainability Report.pdf.

103. – – –. n.d. "Learning & Development." Accessed June 8, 2025a. https://www.qatarenergy.qa/en/Careers/LearningDevelopment/Pages/default.aspx.

104. – – –. n.d. "Vocational Programs." Accessed June 8, 2025b. https://careerportal.qatarenergy.qa/national-vocational-program.

105. QatarEnergy LNG. 2021. "QATARGAS RECEIVES QATARIZATION CRYSTAL AWARD FOR SUPPORT IN TRAINING AND DEVELOPMENT FOR SECOND CONSECUTIVE YEAR." October 2, 2021. Accessed June 8, 2025. https://www.qatarenergylng.qa/english/Media/News/Article/ArticleID/38/QATARGAS%20RECEIVES%20QATARIZATION%20CRYSTAL%20AWARD.

106. – – –. 2024. "A Bold Vision for the Future: QatarEnergy LNG Launches Strategic Vision 2024-28." *The Pioneer*, no. 165 (July): 1–24. https://www.qatarenergylng.qa/Portals/0/DNNGalleryPro/uploads/2024/7/25/ThePioneer165-English.pdf.

107. – – –. n.d. "QATARIZATION OPPORTUNITIES." Accessed June 8, 2025. https://careers.qatarenergylng.qa/content/QATARIZATION/?locale=en_GB.

108. Qawl Fassel. 2024. "Enhancing National Talent Participation in the Private Sector." *Qawl Fassel Online Magazine*, September 4, 2024. Accessed June 10, 2025. https://qawl.com/?p=2158&lang=en.

109. QFC Regulatory Authority (QFCRA). n.d. "Strategic Plan for Financial Sector Regulation: Strategic Goal 6: Building Human Capital." Accessed June 10, 2025. https://www.qfcra.com/en-us/publications/Strategic_Plan/index3b97.html.

110. Quest Search and Selection. 2024. "Growing Qatar's Retail Workforce: How Billions Invested in Luxury Retail Is Fuelling Demand for Talent." October 30, 2024. Accessed June 11, 2025. https://www.questsearch.co.uk/2024/10/growing-qatars-retail-workforce-how-billions-invested-in-luxury-retail-is-fuelling-demand-for-talent/.

111. Raf Healthcare Consultancy. 2025. "Healthcare System in Qatar: Everything You Need to Know." March 27, 2025. Accessed June 10, 2025. https://rafhealthcareconsultancy.com/healthcare-system-in-qatar/.

112. Said, Ziad, and Aws Alhares. 2021. "Addressing Mismatch Between TVET Programs and Skill Needs in the Finance and Banking Sector – a Case Study From Qatar." *International Journal of Research in Education and Science (IJRES)* 7 (4): 1023–41. https://doi.org/10.46328/ijres.2479.

113. Said, Ziad, Margarita Pavlova, and Leone Wheeler, eds. 2021. *21ST CENTURY SKILLS' CHALLENGES TO POSTSECONDARY TVET INSTITUTIONS IN QATAR*. *INTED2020 Proceedings*. https://doi.org/10.21125/inted.2020.1534.

114. Sayre, Edward, Nada Benmansour, and Samantha Constant. 2015. "The Determinants of Youth Unemployment in Qatar." *Topics in Middle Eastern and African Economies* 17 (2): 216–49. http://hdl.handle.net/10576/4689.

115. Sellami, Abdellatif, Malavika Santhosh, Jolly Bhadra, and Zubair Ahmad. 2023. "High School Students' STEM Interests and Career Aspirations in Qatar: An Exploratory Study." *Heliyon* 9 (3). https://doi.org/10.1016/j.heliyon.2023.e13898.

116. Sherman, Brooke. 2022. "Changing the Tide for the Gulf's Migrant Workers." Wilson Center. June 6, 2022. Accessed June 7, 2025. https://gbv.wilsoncenter.org/article/changing-tide-gulfs-migrant-workers.

117. Staffhouse. 2025. "Qatar's Job Market Challenges and How Employers Can Overcome Them." March 19, 2025. Accessed June 11, 2025. https://www.staffhouse.com/qatar-job-market-challenges/.

118. Stasz, Cathleen, Eide Eric, Francisco Martorell, Louay Constant, Charles Goldman, Joy Moini, Vazha Nadareishvili, and Hanine Salem. 2007. "Overview of Qatar and the Policy Context." In *Post-Secondary Education in Qatar: Employer Demand, Student Choice, and Options for Policy*, 1st ed, 7–22. RAND Corporation. http://www.jstor.org/stable/10.7249/mg644qatar.10.

119. Strategy Hub. 2025. "Building a Future-Ready Qatar: Advancing a Thriving Digital Economy." March 6, 2025. Accessed June 11, 2025. https://strategyhub.qa/insights/building-a-future-ready-qatar-advancing-a-thriving-digital-economy.

120. Stubing, Darren. 2024. "Qatar's Drive for Economic Diversification." Global Finance Magazine. April 3, 2024. Accessed June 8, 2025. https://gfmag.com/economics-policy-regulation/qatar-economy-diversification/.

121. TAG-Education News Agency (TAG-Educa News Agency). 2018. "Qatar University Health Launches New PhD Programs." *TAG-Education News Agency (TAG-Educa News Agency)*, April 24, 2018. Accessed June 10, 2025. https://www.tageducanews.com/news.aspx?id=47534&lang=en.

122. The Peninsula. 2020. "Construction Sector Emerges as Largest Job Creator in Qatar." September 21, 2020. Accessed June 11, 2025. https://thepeninsulaqatar.com/article/21/09/2020/Construction-sector-emerges-as-largest-job-creator-in-Qatar.

123. – – – . 2023. "Employment of Qataris in Private Sector Jumps 150% in Q3 of 2023." October 24, 2023. Accessed June 10, 2025. https://thepeninsulaqatar.com/article/24/10/2023/employment-of-qataris-in-private-sector-jumps-150-in-q3-of-2023#:~:text=Doha%2C%20Qatar%3A%20Appointment%20of%20Qatari,of%20Labour's%20Job%20Nationalisation%20Programme.

124. – – – . 2024a. “7,182 Qataris Employed in Govt, Private Sectors.” January 15, 2024. Accessed June 8, 2025. https://thepeninsulaqatar.com/article/15/01/2024/7182-qataris-employed-in-govt-private-sectors#:~:text=The%202023%20figures%20revealed%20that,rates%20in%20the%20private%20sector.

125. – – – . 2024b. “QNB Celebrates 60 Years of Banking Excellence and Leadership.” February 11, 2024. Accessed June 10, 2025. https://thepeninsulaqatar.com/article/11/02/2024/qnb-celebrates-60-years-of-banking-excellence-and-leadership.

126. University of Doha for Science and Technology (UDST). n.d. “About Professional Skills Center.” Accessed June 7, 2025. https://www.udst.edu.qa/about-professional-skills-center.

127. U.S. Energy Information Administration (EIA). 2023. “Qatar.” March 28, 2023. Accessed June 8, 2025. https://www.eia.gov/international/analysis/country/QAT.

128. Waxin, Marie-France, Savita Kumra, and Fang Zhao. 2020. “Workforce Localization in the Arab Gulf Countries: How Do Organizations Socialize the Members of a Powerful Minority?” *Sustainability* 12 (14): 5847. https://doi.org/10.3390/su12145847.

129. Wilkerson, Jennifer. 2024. “Empowering Women in Skilled Trades: Strategies for Learning and Development Leaders in the Construction Industry.” Training Industry. September 11, 2024. Accessed June 8, 2025. https://www.mepmiddleeast.com/news/acciona-addresses-gender-disparity-with-skills-development-programme-for-women-in-qatar.

130. World Bank Gender Data Portal. n.d. “Qatar.” Accessed June 11, 2025. https://genderdata.worldbank.org/en/economies/qatar.

131. World Economic Forum (WEF). 2022. “Qatar’s Young Global Leaders: Building a Resilient Future.” April 13, 2022. Accessed June 8, 2025. https://www.weforum.org/stories/2022/04/young-global-leaders-ygl-qatar-sustainable-future/.

132. World Health Organization. Regional Office for the Eastern Mediterranean (WHO EMRO). 2023. “Understanding the Private Health Sector in Qatar.” *Country Connector on Private Sector in Health (CCPSH)*. World Health Organization. Regional Office for the Eastern Mediterranean. Accessed June 10, 2025. https://applications.emro.who.int/docs/9789292740863-eng.pdf?ua=1.

133. Younis, Heba, Tamer Elsharnouby, and Said Elbanna. 2023. “Controversial Debates About Workforce Nationalisation: Perspectives From the Qatari Higher Education Industry.” *Human Resource Development International* 27 (1): 58–82. https://doi.org/10.1080/13678868.2023.2217734.

134. Zaidan, Esmat, Logan Cochrane, Evren Tok, and Asmaa Al-Fadala. 2025. “The Future of Education Policy in the State of Qatar: Introduction: Future of Education in Qatar.” In *Gulf Studies*, 21:1–21. Singapore: Springer. https://doi.org/10.1007/978-981-97-9667-0_1.