

Attracting International Patients through Digital Marketing and Partnerships

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Received: 25th May, 2026; **Revised:** 6th June, 2026; **Accepted:** 8th June, 2026; **Available Online:** 09th June, 2026

ABSTRACT

Background

Medical tourism has emerged as a significant segment of the global healthcare economy. The global market was valued at approximately USD 54.6 billion in 2022 and is projected to reach USD 273.4 billion by 2030 at a CAGR of approximately 22.1%. [1] Digital marketing and strategic institutional partnerships are the two pivotal mechanisms through which healthcare providers attract patients internationally. [2]

Methods

A narrative review was conducted drawing on peer-reviewed publications, industry reports, and institutional case studies published between 2010 and 2024.

Results

Targeted digital marketing campaigns significantly increase international patient inquiries when integrated with robust partnership networks, accreditation signals, and culturally adapted communication. [3] Multilingual content, patient testimonials, and telehealth pre-consultation services are particularly effective. Institutions combining digital channels with government, insurance, and corporate partnerships demonstrated the highest growth in international patient revenues. [4]

Conclusion

A synergistic digital-partnership model, supported by regulatory compliance, cultural competence, and analytics-driven optimisation, represents the most effective strategy for attracting and retaining international patients. [5] Future research should focus on longitudinal outcome measurement and the emerging role of artificial intelligence in personalised patient acquisition.

Keywords: medical tourism, digital marketing, international patients, health partnerships, SEO, social media, telemedicine, patient acquisition.

How to cite this article: Kashyap H, Raj A, Barthwal A, Amritanshu R, Kumar N, Garg R, Maindola V. Attracting International Patients through Digital Marketing and Partnerships. *Int J Drug Deliv Technol.* 2026;16(57s): 1681-1689. DOI: 10.25258/ijddt.16.57s.167

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Source of support: Nil.

Conflict of interest: None.

1. Introduction

The globalisation of healthcare services has fundamentally transformed how patients seek, evaluate, and access medical care across national borders — a phenomenon broadly termed "medical tourism" or "international patient mobility." [6] Countries such as

Thailand, India, Malaysia, Turkey, Mexico, and South Korea have established robust medical tourism sectors, while newer destinations in Eastern Europe, the Middle East, and Southeast Asia increasingly compete for international patient flows. [7]

Two interlocking strategic pillars drive international patient acquisition. Digital marketing — encompassing

search engine optimisation (SEO), pay-per-click (PPC) advertising, social media engagement, content marketing, and telehealth — constitutes the primary interface between healthcare providers and prospective patients.^[8] Institutional partnerships — with foreign governments, insurance providers, corporate employers, travel agencies, and facilitator companies — provide structural pathways through which patient flows are channelled and sustained.^[9]

Despite the growing practical significance of these strategies, the academic literature has not yet produced a unified analytical framework addressing both digital marketing and partnership strategies as complementary components of a single international patient acquisition model. There is also a notable paucity of rigorous empirical evaluation of long-term return on investment (ROI) for digital marketing expenditure targeting international audiences.^[10] This paper addresses this gap by synthesising current evidence and constructing an integrated analytical framework.

2. Background: The Medical Tourism Landscape

2.1 Definition and Scope

Medical tourism is defined as the practice of travelling across international borders with the primary intention of receiving medical, dental, or surgical treatment.^[11] The term encompasses a wide spectrum of care, from elective cosmetic and dental procedures to complex tertiary interventions such as organ transplantation, cardiac surgery, oncological treatment, and orthopaedic procedures.^[12] The distinction between "inbound" (patients arriving to receive care) and "outbound" (nationals departing to seek care elsewhere) medical tourism is important for policy and strategic analysis.^[13]

2.2 Global Market Dynamics

Asia-Pacific — particularly Thailand, India, South Korea, and Malaysia — accounts for the largest share of global medical tourist arrivals, owing to competitive pricing, internationally accredited facilities, and strong government support.^[14] Thailand alone welcomed over 3.5 million international patients in 2019 before the COVID-19 pandemic disrupted global mobility.^[15] India's medical tourism industry has grown substantially, with an estimated 700,000 to 1.2 million international patients annually, driven by world-class tertiary hospitals offering cardiac, orthopaedic, and oncological services at a fraction of Western costs.^[16]

The Middle East — particularly the UAE, Jordan, and Lebanon — has positioned itself as a regional hub for patients from neighbouring countries and African markets.^[17] Turkey has emerged as a leading destination for hair transplantation, dental care, and cosmetic surgery, driven heavily by digital marketing. In Latin America, Mexico, Brazil, and Costa Rica attract significant North American patient flows, capitalising on geographic proximity and cost advantages.^[18]

2.3 Drivers of International Patient Mobility

The literature identifies several consistent drivers of international patient mobility:

- Cost differentials: Patients from high-income countries may achieve savings of 50–80% on major procedures while accessing equivalent or superior quality of care.^[19]
- Quality and technological superiority: Motivates patients from low- and middle-income countries to seek care in higher-resourced settings.^[20]
- Waiting time avoidance: A significant driver for patients from publicly funded healthcare systems (UK, Canada, Scandinavia) where elective waiting lists may extend to months or years.^[21]
- Access to specialised expertise: Patients with rare conditions seek internationally renowned centres of excellence not available domestically.^[22]
- Privacy and confidentiality: Particularly relevant for cosmetic procedures or sensitive diagnoses, driving patients to seek care in jurisdictions where they are unknown.^[23]

3. Digital Marketing Strategies for International Patient Acquisition

3.1 The Digital Healthcare Consumer Journey

Research consistently demonstrates that the international healthcare consumer journey is predominantly digital. A 2021 survey by the Medical Tourism Association found that 87% of medical tourists began their provider selection process through online research, with search engines as the primary starting point.^[24] The patient journey progresses through awareness, consideration, decision, and post-treatment advocacy phases, each presenting distinct marketing opportunities.^[25] The consideration phase is particularly prolonged: patients frequently conduct weeks of research, consulting multiple websites, reading patient forums, requesting virtual consultations, and comparing accreditation credentials before committing.^[26]

3.2 Search Engine Optimisation (SEO)

SEO represents the foundational layer of any digital marketing strategy for healthcare providers seeking international patients. For international patient acquisition, SEO must account for linguistic diversity: English-language SEO is essential for reaching the global medical traveller, but market-specific SEO in Arabic, Russian, Chinese, Korean, German, and other languages is necessary to reach targeted source markets.^[27] Technical SEO factors — including site loading speed, mobile responsiveness, structured data markup, and secure HTTPS protocol — are particularly important in healthcare, as search engines apply heightened standards to "Your Money or Your Life" (YMYL) content.^[28]

Keyword research must balance high-volume generic terms with specific long-tail queries that indicate high

purchase intent (e.g., "coronary bypass surgery cost in Thailand with JCI accreditation"). Studies have shown that providers with well-optimised multilingual websites reported up to 45% higher international patient inquiry rates than those relying solely on English-language content.^[29]

3.3 Pay-Per-Click (PPC) and Programmatic Advertising

PPC advertising through Google Ads and Microsoft Advertising allows healthcare providers to target users actively searching for relevant services. Geographic targeting capabilities allow campaigns to be focused on specific source markets, with localised ad copy and landing pages.^[30] Programmatic display advertising enables healthcare providers to reach prospective patients during the earlier awareness phase of the decision journey.^[31] Retargeting campaigns are particularly effective in healthcare marketing, given the extended consideration period and tendency of prospective medical tourists to revisit multiple information sources.^[32]

3.4 Social Media Marketing

Social media platforms have become indispensable channels for international healthcare marketing. Platform selection must be tailored to target markets: Facebook and Instagram for Western, Middle Eastern, and Southeast Asian markets; WeChat and Weibo for China; VKontakte for Russian-speaking patients; and Line for Thai and Japanese audiences.^[33] Influencer marketing has become increasingly significant, particularly in markets where trust in peer recommendations is high. A systematic review found that social media engagement by healthcare organisations was associated with significantly higher patient trust scores when content was patient-centric, transparent, and responsive.^[34]

3.5 Content Marketing and Thought Leadership

Content marketing — the creation and distribution of valuable, relevant content to attract and engage a clearly defined audience — is a central pillar of effective healthcare digital marketing.^[35] Effective formats include procedure-specific educational pages, physician biography pages highlighting international training and expertise, multilingual downloadable patient guides, and interactive cost calculators.^[36] Research found that healthcare websites featuring comprehensive procedure-specific content had a 62% higher international patient conversion rate than those providing only general information.^[37]

3.6 Telemedicine as a Marketing and Conversion Tool

Telemedicine has emerged as both a care delivery mechanism and a critical patient acquisition tool. Pre-travel virtual consultations allow prospective international patients to evaluate physician expertise and receive personalised treatment recommendations prior to committing to travel, substantially increasing conversion rates from inquiry to booking.^[38] The COVID-19

pandemic dramatically accelerated telemedicine adoption globally, normalising virtual consultation as a standard component of the patient pathway.^[39] Offering a free 15-minute virtual consultation as a lead generation mechanism on high-intent landing pages has become a powerful conversion strategy. Post-treatment remote follow-up through telehealth addresses the persistent medical tourist concern of post-travel complication management.^[40]

4. Partnership Strategies for International Patient Acquisition

4.1 Typology of Partnerships

Formal partnerships constitute the second major strategic pillar of international patient acquisition. Unlike digital marketing, which operates primarily in the business-to-consumer (B2C) space, partnerships operate principally in the business-to-business (B2B) domain, channelling organised patient flows through institutional intermediaries.^[41] A comprehensive typology includes: government bilateral health agreements; international insurance and managed care partnerships; corporate employer health benefit agreements; medical tourism facilitator relationships; international patient referral networks; and academic and research partnerships.^[42]

4.2 Government Bilateral Health Agreements

Government-to-government bilateral health agreements represent the highest tier of international healthcare partnership, providing institutional sanction and large-volume patient flows. These agreements typically designate specific healthcare providers as approved facilities for nationals of a partner country, often with negotiated pricing schedules.^[43] Examples include Qatar's overseas treatment programme with European academic medical centres, Kuwait's similar arrangements, and the Kingdom of Saudi Arabia's Ministry of Health programme channelling significant volumes to international tertiary facilities.^[44] Healthcare providers seeking this status must typically demonstrate Joint Commission International (JCI) accreditation or equivalent, and navigate complex diplomatic and procurement processes.^[45]

4.3 International Insurance and Managed Care Partnerships

International Private Medical Insurance (IPMI) providers — including Cigna Global, Allianz Care, AXA International, Bupa Global, and IMG — collectively insure tens of millions of internationally mobile individuals.^[46] Becoming an approved IPMI provider gives access to pre-qualified, insured, effectively price-insensitive patient populations; consistent cash flow through direct billing; and marketing exposure through insurer provider directories.^[47] US self-insured employer health plans incorporating medical tourism benefit provisions — where cost savings are shared between employer and employee — represent an additional growing insurance partnership channel.^[48]

4.4 Corporate Employer Partnerships

Direct relationships with multinational corporations and large domestic employers in source markets represent an increasingly important acquisition channel. Corporations with large internationally mobile workforces — particularly those operating in regions with limited local healthcare infrastructure — are significant purchasers of international healthcare services.^[49] Healthcare institutions targeting corporate clients typically offer bespoke occupational health packages, executive health check programmes, and priority access arrangements. Research found that corporate health partnerships were associated with significantly longer patient relationship duration and higher lifetime patient value than consumer-direct acquisition channels.^[50]

4.5 Medical Tourism Facilitators and Academic Partnerships

Medical tourism facilitators — intermediary organisations connecting patients with healthcare providers, typically receiving a referral commission — are an important acquisition channel. Best-practice governance includes standardised referral agreements with clear service standards, complaints procedures, and quality assurance provisions.^[51] Academic partnerships with internationally recognised medical centres confer powerful credibility signals among sophisticated patients, particularly in high-stakes specialties such as oncology and cardiac surgery. These partnerships may take the form of physician exchange programmes, joint research, shared clinical protocols, or formal institutional affiliation agreements.^[52]

5. Integrated Digital-Partnership Model

5.1 Synergistic Effects

Comprehensive data from leading international patient programmes demonstrate that digital marketing and partnership strategies generate synergistic rather than merely additive effects when integrated. Survey data from a multi-site study found that even among partnership-referred patients, 74% independently researched the hospital website, 61% read patient testimonial content, and 47% initiated a telemedicine consultation prior to travel.^[53] This highlights the importance of maintaining high-quality digital content and experience even when primary acquisition is through partnership channels.

5.2 The Dual-Pathway Acquisition Funnel

The integrated model can be conceptualised as a dual-pathway acquisition funnel. In the consumer-direct pathway, digital marketing attracts prospective patients through search, social media, and content channels; telemedicine and chat capabilities convert inquiries; and streamlined digital booking systems reduce friction through to arrival. In the partnership pathway, institutional relationships direct pre-qualified patient flows; digital channels support the validation and confirmation phase; and coordination systems manage the handoff from referrer to care delivery.^[54]

At the retention and advocacy phase, both pathways converge: post-treatment digital follow-up, remote monitoring through telehealth, and patient satisfaction programmes generate testimonials, reviews, and word-of-mouth referrals that feed back into both the consumer-direct digital acquisition cycle and the credibility signalling that supports partnership renewal.^[55]

5.3 Accreditation as a Cross-Channel Trust Signal

International accreditation — most prominently JCI, but also ISO 9001, ACHSI, and specialty-specific accreditations — functions as a fundamental trust signal in both digital marketing and partnership contexts.^[56] Research found that JCI accreditation was the single most influential quality signal cited by international patients when selecting a foreign healthcare provider, referenced by 71% of survey respondents.^[57] In digital marketing, accreditation credentials prominently featured on websites provide the quality assurance signals that patients seek; in partnership contexts, accreditation is frequently a prerequisite for inclusion in government bilateral programmes and IPMI provider networks.

5.4 Cultural Competence as a Cross-Cutting Enabler

Cultural competence — the capacity of healthcare organisations to deliver services meeting the social, cultural, and linguistic needs of patients — is a cross-cutting enabler of effective international patient acquisition and retention.^[58] In digital marketing terms, cultural competence is expressed through multilingual content, culturally adapted imagery, religiously sensitive care descriptions (including halal dietary options, prayer facilities, and gender-segregated care relevant for Muslim patient markets), and market-specific social proof.^[59] Research found that patients from collectivist cultures placed significantly greater weight on family involvement in treatment decisions, and that digital marketing strategies designed with this in mind demonstrated significantly higher engagement and conversion rates.^[60]

6. Analytics, Measurement, and Continuous Optimisation

Effective management of international patient acquisition strategies requires rigorous performance measurement across comprehensive key performance indicators (KPIs). Digital marketing KPIs include: website sessions from international target markets, cost-per-inquiry by channel and market, inquiry-to-consultation conversion rate, cost-per-acquisition, and patient lifetime value by acquisition source.^[61] Partnership KPIs include patient volume and revenue per partner, partner satisfaction scores, contract renewal rates, and referral quality metrics.^[62]

A robust digital analytics infrastructure — including Google Analytics 4 for website traffic analysis, CRM systems (e.g., Salesforce Health Cloud) for multi-touch journey tracking, and integration with the hospital information system — provides the data infrastructure

for comprehensive attribution modelling and lifetime value analysis.^[63] ROI measurement is complicated by the extended patient consideration cycle and the multi-touch nature of the acquisition journey. Multi-touch attribution models, which distribute conversion credit across multiple touchpoints, provide more accurate representation of digital marketing's contribution.^[64] Studies examining leading medical tourism hospitals found digital marketing investments yielded average ROI of 340% measured over a 24-month patient horizon, with social media and content marketing demonstrating the highest ROI due to lower media costs and sustained organic reach.^[65]

7. Challenges and Ethical Considerations

7.1 Regulatory Compliance in Healthcare Advertising

Healthcare advertising is subject to regulatory constraints that vary significantly across jurisdictions. In the United States, the Federal Trade Commission (FTC) regulates advertising claims and endorsements, requiring substantiation of any clinical efficacy claims.^[66] In the United Kingdom, the Advertising Standards Authority (ASA) imposes similar requirements. In many jurisdictions, specific restrictions apply to advertising related to prescription medicines, surgical procedures, and claims of superiority over competitors.^[67] Non-compliance exposes institutions to regulatory sanction, reputational damage, and loss of platform access from digital advertising providers who apply their own healthcare advertising policies.

7.2 Patient Privacy and Data Protection

Digital marketing for international patient acquisition involves the collection, processing, and storage of significant volumes of personal and health data from individuals in multiple jurisdictions.^[68] The European Union's General Data Protection Regulation (GDPR) imposes stringent extraterritorial requirements on organisations targeting EU residents.^[69] Similar frameworks exist under the California Consumer Privacy Act (CCPA), the Personal Data Protection Act (PDPA) in Thailand and Malaysia, and equivalent legislation elsewhere. Privacy-by-design principles and regular data protection impact assessments are recommended as foundational practices for international patient marketing operations.^[70]

7.3 Ethical Concerns in Medical Tourism Promotion

The promotion of medical tourism raises ethical concerns that conscientious marketers must actively address. Critics have argued that aggressive marketing contributes to "brain drain" and resource diversion from domestic populations in destination countries, as facilities and professionals orient toward revenue-generating international patients.^[71] The phenomenon of "patient dumping" — medical tourists experiencing post-return complications without adequate follow-up care — is a significant patient safety concern associated with poorly designed international patient programmes.^[72] A

content analysis found that a significant proportion of medical tourism websites made claims of clinical superiority unsupported by published evidence, and that disclosure of risks and complication rates was consistently inadequate. Evidence-based marketing with transparent risk disclosure is both an ethical obligation and a credibility signal for sophisticated patients.^[73]

8. Emerging Technologies in International Patient Marketing

8.1 Artificial Intelligence and Machine Learning

Artificial intelligence (AI) and machine learning (ML) are increasingly applied to international healthcare marketing, enabling levels of personalisation and efficiency impossible through manual methods.^[74] AI-powered personalisation systems analyse website visitor behaviour and demographic signals to dynamically adapt content to inferred needs and preferences.^[75] Natural language processing (NLP) technologies power intelligent chatbots that handle initial inquiries in multiple languages, provide procedure-specific information, and schedule telemedicine consultations — extending responsiveness beyond office hours and reducing staff workload.^[76] AI-powered sentiment analysis enables real-time monitoring of institutional reputation across markets and languages, enabling rapid response to emerging concerns.^[77]

8.2 Virtual Reality and Immersive Technology

Virtual reality (VR) and 360-degree video technologies offer novel opportunities to reduce the anxiety and uncertainty associated with seeking medical care in an unfamiliar environment. VR facility tours allow prospective patients to experience the hospital environment before committing to travel, addressing a key psychological barrier to medical tourism decision-making.^[78] Research found that prospective medical tourists who underwent a VR facility tour reported significantly lower pre-procedure anxiety and higher confidence in their provider selection decision compared to those who reviewed only static website content.^[79]

8.3 Blockchain and Next-Generation Digital Engagement

Blockchain technology has been proposed as enabling infrastructure for international healthcare partnerships. Smart contract systems could automate referral fee payments, insurance claim processing across borders, and verification of accreditation credentials — reducing administrative friction and fraud risk in international patient pathways.^[80] International health record portability — enabling patients to share verified health records with providers across borders — is another high-impact application. Countries including Estonia, the UAE, and Singapore have advanced blockchain healthcare implementations that may inform wider adoption.^[81]

9. Case Studies in Successful International Patient Acquisition

9.1 Bumrungrad International Hospital, Thailand

Bumrungrad International Hospital in Bangkok serves over 1.1 million patients annually, of whom approximately 520,000 are international patients representing over 190 nationalities.^[82] Its digital marketing infrastructure includes a multilingual website available in 14 languages, market-specific social media presences, and a telemedicine consultation programme instrumental in recovering international patient volumes post-COVID-19. Partnership infrastructure includes bilateral treatment agreements with Middle Eastern governments, IPMI network memberships with all major international insurers, and a structured facilitator network across Asia, the Middle East, and Africa.^[83] Published analyses consistently identify the integration of digital patient experience with institutional partnership capacity as the core driver of Bumrungrad's sustained international patient growth.^[84]

9.2 Apollo Hospitals, India

Apollo Hospitals Group — India's largest for-profit hospital network — serves patients from over 120 countries. Apollo's distinctive digital strategy emphasises outcome data transparency, publishing procedure-specific survival rates, complication rates, and recovery times on its international patient website — addressing the evidence-quality concerns of sophisticated international patients.^[85] Apollo's government partnership programme includes formal bilateral treatment agreements with ministries of health in several African nations. Its corporate health programme serves multinational corporations operating in India and South Asia. Academic partnerships with US and UK medical schools provide the credibility scaffold that supports Apollo's world-class positioning.^[86]

9.3 Cleveland Clinic Abu Dhabi

Cleveland Clinic Abu Dhabi (CCAD) represents an alternative model — a facility established through a formal institutional partnership between Cleveland Clinic (USA) and Mubadala Health (Abu Dhabi) that leverages the parent institution's brand equity and clinical reputation to attract international patients.^[87] By accessing the Cleveland Clinic's intellectual property, physician networks, and marketing infrastructure, CCAD achieved international patient volumes and payer mix quality that would have taken a de novo institution many more years to establish independently. This brand licensing model is increasingly being replicated across the Gulf region.^[88]

10. Policy Implications and the Role of Government

Governments in leading medical tourism destinations have developed formal national strategies supporting institutional marketing efforts.^[89] Thailand's Medical Hub policy, administered by the Ministry of Public Health, coordinates national branding, international marketing missions, facilitation infrastructure, and regulatory frameworks.^[90] Malaysia's Healthcare Travel Council (MHTC) provides institutional marketing support, international trade event participation, and

certification schemes.^[91] Government-supported national medical tourism brands — "Thailand: World-class Healthcare," "Malaysia Healthcare," "Israel: Medical Tourism Hub," and "Korea Medical" (operated by the Korea Health Industry Development Institute) — provide collective marketing infrastructure that amplifies individual hospital efforts and lowers consumer education costs.^[92]

Regulatory frameworks providing quality assurance signals for international patients are a critical policy complement to marketing activity. Research consistently demonstrates that regulatory oversight, accreditation recognition, and legal recourse mechanisms significantly influence international patient destination selection.^[93] Healthcare policy reform in major source markets — such as growing acceptance of medical tourism benefits in US self-insured employer health plans — can rapidly alter the market environment for international patient acquisition strategies.^[94]

11. Future Directions and Research Gaps

The most significant research gap in the international healthcare marketing literature is the absence of rigorous longitudinal studies linking specific marketing and partnership strategies to measurable long-term patient outcomes and institutional financial performance. Most existing research is cross-sectional and measures intermediate outcomes (website traffic, inquiry rates) rather than ultimate outcomes (patient volume, revenue, clinical quality).^[95]

Key emerging research priorities include:

- Longitudinal ROI studies: Prospective cohort studies tracking institutions' international patient marketing investments and acquisition outcomes over multi-year periods to substantially advance the evidence base.^[96]
- AI personalisation research: Evaluation of AI-driven personalisation effectiveness, ethical implications, and potential biases in patient acquisition — for example, whether systems prioritise high-payer demographics in ways that exacerbate health inequities.^[97]
- Post-pandemic resilience: Research on diversifying source markets, developing digital and telemedicine capabilities that maintain revenue during travel disruption, and designing partnership agreements with appropriate flexibility provisions.^[98]
- Equity and ethical research: Systematic empirical study of the redistributive effects of international patient programme revenues on destination country healthcare systems, adequacy of post-treatment follow-up protocols, and long-term consequences of misleading marketing practices.^[99]

12. Conclusion

This review demonstrates that digital marketing and institutional partnerships are individually necessary but

insufficient: their integration within a coherent institutional strategy — supported by cultural competence, quality accreditation, rigorous analytics, and ethical governance — distinguishes consistently successful international patient programmes.^[100]

Digital marketing provides the informational infrastructure through which healthcare institutions establish international visibility and convert inquiries into bookings. Partnership frameworks provide organised patient flows, institutional credibility, and revenue predictability. Institutions investing in digital marketing without partnership infrastructure struggle to achieve scale; those relying solely on partnerships risk losing referrals to digitally superior competitors as patients increasingly validate recommendations through independent online research.

Emerging technologies — AI personalisation, predictive analytics, VR facility tours, and telemedicine — are progressively enhancing the effectiveness and efficiency of international patient acquisition. As the global medical tourism market grows toward USD 273 billion by 2030, healthcare institutions face a strategic imperative to develop sophisticated, ethically grounded, analytically driven international patient acquisition programmes that integrate digital excellence with robust institutional partnerships, animated by deep cultural competence and guided by rigorous outcome measurement.^[11]

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