

KSUMC Sustainability Report

2025



**Aligning National Vision
with Global Impact**

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KSUMC Sustainability Report 2025: Executive Summary

KSUMC Sustainability Report 2025 | Aligning National Vision with Global Impact

King Saud University Medical City (KSUMC) — the largest and first university medical city in Saudi Arabia — launched its flagship sustainability program "**We Are Committed**" in **2024**. In **2025**, we became the first governmental academic medical center in the Kingdom to report to the United Nations. In **2026**, we established five high-level sustainability committees to govern our mission.

Our Four Pillars (13 UN SDGs)

Pillar	Focus	SDGs
1	Social Impact & Community Health	3,10
2	Energy & Environment Sustainability	7,11,12,13,15
3	Innovation & Research	9,17
4	Human Capital & Workforce	4,5,8,10

1st Pillar : Social Impact

- **69,000 families** served (A Doctor for Each Family) .
- **1,251 volunteers** | **38,980 hours** | **2M+ beneficiaries** .
- **12,766 blood donors** | **31 campaigns**.
- **1,112+ cochlear implants** (92% success) across 7 countries .
- **7 charitable partnerships** supporting vulnerable patients .

2nd Pillar :Energy & Environment Sustainability

- **British Safety Council Environment Award 2025** – First & only healthcare institution globally .
- **49.73 million kWh** saved | **30,343 tons** CO₂ reduced .
- **3.3 million kWh** solar energy.
- **1,234 trees planted** | **1,504 m²** green space added .
- **SAR 3.67M** medical waste savings | **50%** cooking equipment

3rd Pillar :Innovation & Research

- **1,270** PubMed publications | **264** research projects | **9 patents** .
- **2 innovations** in Vision 2030 Annual Report .
- **90%+ of staff** completed AI training (SDAIA SMAI initiative) .
- **MESH partnership** (Harvard/Mass General Brigham).

4th Pillar :Human Capital

- **8,058** workforce | **58% women** | **31% Female leadership** .
- **55% Saudization** | **7,746 trainees** | **356 graduates** .
- **91%** residency pass rate | **94%** fellowship pass rate .
- **Ranked 91st** globally among Top 250 Academic Medical Centers .

King Saud University Medical City is the largest and first university medical city in the Kingdom, consisting of:

3 Main Hospitals:

- 1_ King Khalid University Hospital
- 2_ King Abdulaziz University Hospital
- 3_ Dental University Hospital

2 Specialized Centers:

- 1-KSU Oncology Center
- 2-KSU Family Medicine Center

8 Centers of Excellence:

- 1_ King Fahad Cardiology and Cardiac Surgery Center
- 2_ King Abdullah Ear Center
- 3_ University Diabetes Center
- 4_ Clinical Skills and Simulation Center
- 5_ Sports Medicine Center
- 6_ Prince Naif Center for Health Research
- 7_ Sleep Medicine Center
- 8_ National Center for Sudden Death (Hayat)



KSUMC: A Historic Legacy The First Teaching Hospital in Saudi Arabia

1974



King Saud University Medical City (KSUMC) carries a legacy that is deeply woven into the fabric of Saudi Arabia's modern healthcare system. We were not simply built — we were born from a national vision to educate, heal, and lead.

In **1974**, the Kingdom's first teaching hospital opened its doors as King Abdulaziz University Hospital in Malaz, Riyadh. It was more than a building. It was a bold statement that Saudi Arabia would train its own physicians, treat its own patients, and set its own standards of excellence.

From that single hospital, we grew. And with every expansion, we carried forward the same pioneering spirit.



Timeline of King Saud University Medical City

1957

Establishment of King Saud University

1967

Establishment of the first College of Medicine in the Kingdom at King Saud University

1974

Opening of King Abdulaziz University Hospital

1975

Opening of King Khalid University Hospital

1981

Establishment of the Clinical Skills and Simulation Center

2014

Launch of the expansion plan for the university hospitals and restructuring them into a university medical city

2015

Establishment of the University Dental Hospital

2016

Opening of the expansion of King Abdulaziz University Hospital

2016

Opening of the expansion of King Khalid University Hospital

2017

Opening of the Clinical Trials Unit

2017

Opening of the University Oncology Center

2022

King Saud University joined the Royal Commission for Riyadh City (RCRC)

2023

The University Dental Hospital was classified as the largest specialized dental hospital in the world and registered in the Guinness World Records

Quality is not claimed at KSUMC

It is earned — repeatedly, rigorously, and transparently. Our accreditations span five continents and represent the highest standards in patient safety, clinical education, information security, business continuity, environmental responsibility, and specialized care.

KSUMC:Accreditation



Awards



Stevie award / Mena



The Daisy Award



International safety award



SAUDI PATIENT SAFETY
CENTER AMMUAL AWARD
(Safe Surgery) Track



Infection Control Excellence
Award (CLABSI) – 2nd Place



Ada'a
Award CLINICAL REVIEW
TRAK 2ND PLACE



Asia healthcare award
Best Saudi Hospital



Health Volunteering Award



Patient Advocacy award



Best improvement project



Nurses (AACN) Beacon
Award

CEO Message

A Commitment That Defines Us

At King Saud University Medical City, sustainability is not a department. It is not a report. It is a promise we renew every day — to our patients, our people, our nation, and the world.

For decades, KSUMC has stood as the largest and first university medical city in the Kingdom of Saudi Arabia. From the opening of our first hospital in 1974 to the Guinness World Record recognition of our Dental Hospital in 2023, our journey has always been driven by one question: How can we serve better?

Today, under "We Are Committed," our flagship sustainability program, we have expanded that question beyond clinical excellence. We ask it of our energy use, our supply chain, our community outreach, our global humanitarian missions, and our governance.

The numbers in this report, they are the fingerprints of our caregivers, the hope of our patients, and the trust of our leaders.

Sustainability, to us, means leaving no one behind — whether a patient in Riyadh, a child in Syria, or a caregiver walking our own halls.

That is our commitment. And we are committed.



Prof. Ahmad Salah Hersi
CEO, King Saud University Medical City

KSUMC's Sustainability Journey: Aligning with Global Goals Through "We Are Committed"

Our Sustainability Journey

From Local Roots to Global Recognition

Sustainability at King Saud University Medical City (KSUMC) did not begin with a report. It began with a responsibility — to our patients, our workforce, our community, and the planet we all share. For years, our efforts grew organically: energy-saving projects, community health campaigns, workforce wellness initiatives, and global humanitarian missions. But we knew that to create lasting impact, we needed a framework — one that could unite these efforts under a single, strategic vision.

That vision became **"We Are Committed."**

These three years mark not just progress, but transformation. From voluntary initiatives to structured governance. From local impact to global recognition. From commitment to accountability.

2024 – 2026 A Strategic Evolution Year Milestone

2024 Launch of the flagship "We Are Committed" sustainability program, consolidating all environmental, social, and governance initiatives under one unified framework

1

2025 Became the first governmental academic medical center hospital in the Kingdom of Saudi Arabia to report to the United Nations — and got published on the official UN website, directly contributing to the nation's leadership in healthcare sustainability

2

2026 Established five high-level sustainability committees to govern, guide, and accelerate our mission — embedding sustainability into the DNA of our organization

3

What "We Are Committed" Means Today

Our program is built on four pillars of strategic integration:

1. Holistic Integration

"We Are Committed" consolidates all social, environmental, and humanitarian initiatives under one roof. It currently aligns with 13 of the 17 UN SDGs most relevant to healthcare — from good health and well-being (SDG 3) to climate action (SDG 13) and partnerships for the goals (SDG 17).

2. Stakeholder Engagement

No single department owns sustainability at KSUMC. It is a shared responsibility across 62 medical and non-medical committees, involving leadership, clinicians, administrators, patients, and community partners. Sustainability is everyone's work.

3. Standardization & Accountability

Good intentions are not enough. We have implemented consistent metrics, transparent reporting, and clear governance. Our Board of Directors provides active oversight, ensuring that "We Are Committed" remains a strategic priority, not a side project.

Measuring What Matters

You cannot improve what you do not measure. Our sustainability framework is built on rigorous, recognized evaluation tools:

Annual Maturity Gap Analysis using the UN Communication on Progress framework

Benchmarking against the Global Reporting Initiative (GRI) Standards

Performance assessment across all three ESG dimensions — Environmental, Social, and Governance

This discipline ensures that every claim we make is backed by data, and every target we set is pursued with intention.

Our Four Strategic Sustainability Pillars

Pillar	Focus Area	UN SDG Alignment
1	Social Impact & Community Health	SDGs 3, 10
2	Energy & Environmental Sustainability	SDGs 7, 11, 12, 13, 15
3	Innovation & Research	SDGs 9, 17
4	Human Capital & Workforce Sustainability	SDGs 4, 5, 8, 10

Each pillar has its own targets, owners, and progress indicators — all feeding into our annual sustainability report.

Looking Ahead: Our Future Commitments

We are not resting on our milestones. The journey continues with clear, ambitious next steps:

Enhancing our sustainability reporting through full adoption of GRI Standards

Expanding renewable energy integration beyond current solar installations

Strengthening global partnerships with health sustainability organizations worldwide

Serving as a replicable model for SDG implementation in academic medical centers across the Middle East and beyond

A Final Reflection

Becoming the first governmental and academic medical center in the Kingdom to report to the UN was not the end of our journey. It was the confirmation that we are on the right path.

With five governing committees now in place **(2026)**, "We Are Committed" has moved from a program to a system — embedded, governed, and measured. We are no longer just delivering healthcare. We are delivering sustainable healthcare.

And we are, as always, committed.

First pillar:

Social Impact &
Community Health
Sustainability

3 GOOD HEALTH
AND WELL-BEING



10 REDUCED
INEQUALITIES



Excellence in Healthcare Delivery Supporting "Good Health and Well-Being"

Health Beyond Hospital Walls

Social Impact & Community Health Sustainability

Introduction: Health Beyond Hospital Walls

At King Saud University Medical City (KSUMC), we believe that true health extends far beyond the walls of our hospitals. It is measured in life expectancy, in quality of life, in social trust, in the well-being of the most vulnerable — and in the fairness of the systems we build for our patients and our people.



This belief is deeply rooted in Saudi Vision **2030**, which calls on us to:

Increase average life expectancy from **74** to **80** years

Offer a fulfilling and healthy life by improving the value of healthcare services

Raise Saudi Arabia's Social Capital Index from **26th** to **10th** globally

Increase female workforce participation to **30%+** — a target KSUMC has already surpassed

It is also a direct expression of UN Sustainable Development Goals , particularly:

SDG	Focus Area
SDG 3	Good Health and Well-Being for all at all ages
SDG 10	Reduced Inequalities — within and among countries

Within **SDG 3**, we address specific targets: 3.4 (non-communicable diseases), 3.7 (reproductive health), 3.8 (universal health coverage), 3.9 (environmental health), 3.c (health workforce), and 3.d (emergency preparedness).

Within **SDG 10**, we address targets 10.2 (inclusion), 10.3 (equal opportunity and non-discrimination), and 10.4 (equality-focused policies).

The following initiatives represent KSUMC's comprehensive approach to social impact, community health, and reduced inequalities — from primary care and specialized centers to volunteering, global humanitarian missions, staff wellness, blood donation, and inclusive employment practices.

1. Excellence in Healthcare Delivery: Supporting SDG 3

KSUMC delivers cutting-edge medical services across multiple specialized domains:

■ Advancing Medical Education (SDG 3.c):

Exclusive sub-specialty programs, clinical excellence training, and academic partnerships with King Saud University .

■ Value-Based Healthcare (SDG 3.8):

Preventive health programs, advanced genetic testing, and specialized clinics for women's health, geriatrics, occupational health, mental health, pre-marriage testing, and burnout care .

■ "A Doctor for Each Family" Initiative (SDG 3.8):

WHO primary healthcare model serving **69,000** beneficiaries (up from **60,000** in **2024**) through multidisciplinary teams and preventive focus .

2. Hayat Center: National Center for Sudden Death SDG 3.4

■ Established by Royal Decree No. **49610**, the Hyat Center is the only specialized service in the region providing comprehensive family screening for sudden death caused by inherited cardiac conditions — conditions that can affect young, seemingly healthy people without warning. The Center's strategy spans policy development (including a landmark Fatwa permitting molecular autopsy), community awareness, research (first national registry and genetic biobank), and clinical care. By enabling early detection and family screening, the Center has built indigenous capability to prevent sudden death, positioning Riyadh as a regional leader in this field. In the last year alone, the Center received 769 referral cases.



3. Health Volunteering (SDG 3.d)

■ Strengthening health emergency preparedness and community engagement:

Metric	2025 Data
Volunteers	1,251
Volunteer initiatives / opportunities	248
Volunteer hours	38,980
Total beneficiaries	150,668
Economic value (SAR)	2,086,952

4. Transformative Impact on Global Health (SDG 3.8)

Led by the King Abdullah Specialized Ear Center (KAESC) and King Fahad Cardiac Center (KFCC) in partnership with KSrelief, Qalbi Charitable Society, and Enaya Health Society, KSUMC exports Saudi clinical excellence to underserved nations through two flagship programs.

■ Saudi Hearing Program – Voluntary Medical Project for Cochlear Implant Surgery:



■ This program provides end-to-end cochlear implantation — diagnosis, surgery, programming, and rehabilitation — delivered entirely by Saudi multidisciplinary teams.

■ Global reach (surgeries by country):

SAUDI HEARING PROGRAM

VOLUNTARY MEDICAL PROJECT FOR
COCHLEAR IMPLANT SURGERY

voluntary

Compassion

A Better Hearing.
A Better Life

Country	Surgeries
Türkiye	66
Syria	195
Jordan	185
Tunisia	62
Senegal	27
Kenya	28
Nigeria	27



► 1,112+
cochlear implant surgeries
with a 92% success rate



► 1,000+
non-surgical hearing
devices distributed

Save a Heart Program: Reducing Preventable Cardiac Mortality

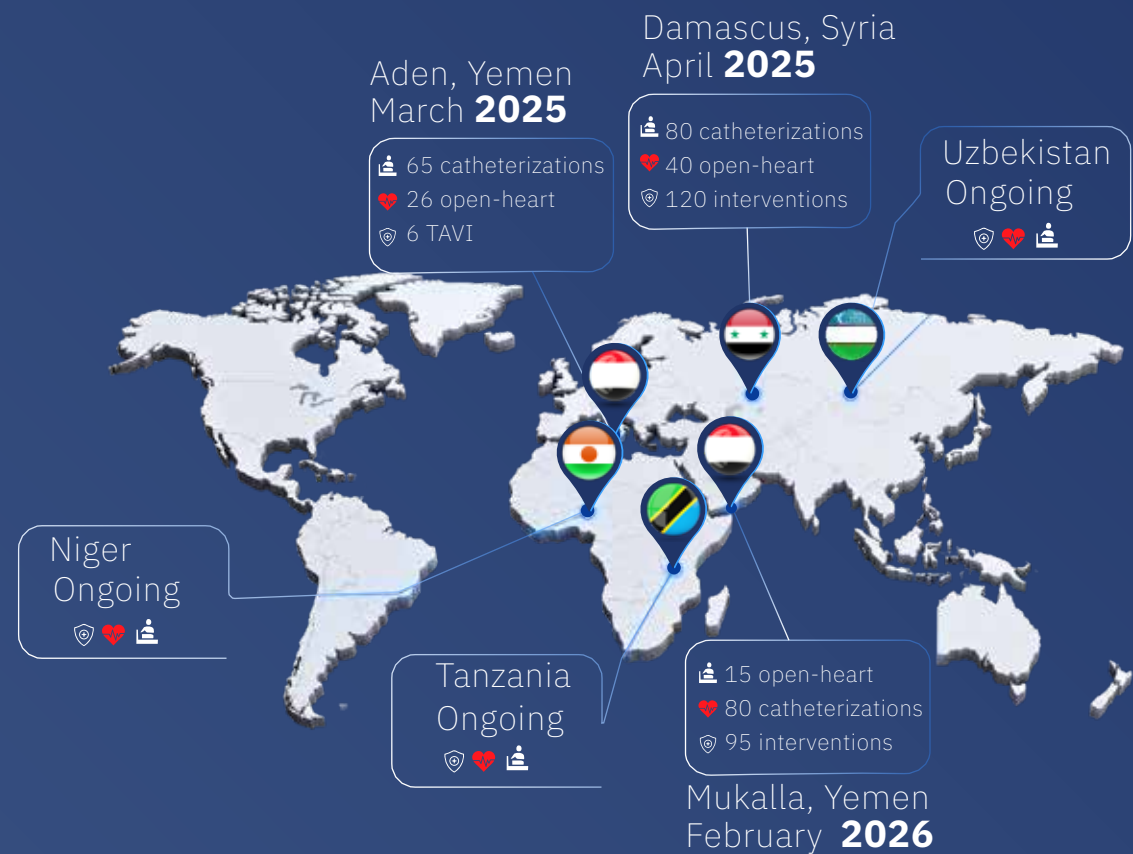
This program delivers life-saving cardiac care to vulnerable populations across multiple continents.

Recent campaign achievements:



SAVE A HEART PROGRAM: REDUCING PREVENTABLE CARDIAC MORTALITY

This program delivers life-saving care to vulnerable populations across multiple continents .



5. Partnerships with Charitable Health Associations – 2025

Global impact is essential, but so is local reach. While KSUMC exports Saudi clinical excellence to underserved nations through our global programs, we remain equally committed to serving vulnerable populations within the Kingdom. Through strategic partnerships with leading charitable health associations, we extend our services to those who need them most — patients who cannot afford treatment, families facing critical illness, and communities requiring awareness and prevention. These collaborations embody SDG 17 (Partnerships for the Goals) and ensure that no patient is left behind, regardless of their financial or social circumstances.



Partnerships with Charitable Health Associations

Type of Partnership	Charitable Associations	Scope
Charitable Healthcare Partnership		Providing therapeutic services and high-cost medications for patients who are unable to afford treatment.
Charitable Healthcare Partnership		Providing therapeutic health services to needy patients through humanitarian and charitable support.
Charitable Healthcare Partnership		Providing healthcare services, awareness, prevention, and support for patients in need.
Psychological and Social Support Partnership		Providing psychological, social, and recreational support for children with cancer and their families.
Oncology Patient Support Partnership		Supporting adult oncology patients through transportation, housing, psychological support, awareness, and prevention services.
Humanitarian and Community Support Partnership		Supporting patients in need through humanitarian assistance, community initiatives, medical devices, supplies, and related support.
Kidney Failure Patient Support Partnership		Supporting kidney failure patients through treatment support, awareness services, and community/educational programs.

6. Staff Wellness: KSUMC Active

Encouraging a healthy lifestyle for our caregivers.

1 VR Challenge: Where Tech Meets Fitness

Brief: In a 4-day campaign blending cutting-edge technology with physical activity, KSUMC partnered with Metafare to launch the VR Challenge. Staff members engaged in virtual reality exercises that made movement fun, competitive, and immersive. The result was not just excitement but real engagement: more than 400 staff members participated, logging thousands of active minutes while experiencing a new way to stay fit .



2 From Couch to 5K: Every Step Counts

Brief: Designed for staff of all fitness levels, this 3-month structured program takes participants from a sedentary start to completing a full 5K run. With professional coaching, weekly group runs, and personalized progress monitoring, the program builds confidence, endurance, and camaraderie. Graduates celebrate together at a final 5K event — proof that every journey begins with a single step.



3 Bro Run: Men's Health in Motion (2nd Year)

Brief: Now in its second year, In partnership with SSMH (Saudi Society of Men's Health) the Bro Run is KSUMC's flagship men's health awareness initiative. Combining a community run with on-site health screenings — including blood pressure, glucose, and mental health consultations — the event raises awareness of preventable health issues that disproportionately affect men. It is a call to action: prioritize your health, for yourself and your family.



4 Riyadh Marathon: Running as One Team

Brief: KSUMC actively encourages staff to participate in the official Riyadh Marathon, transforming individual fitness into a collective celebration of health. Nearly 200 staff members took part, many running for charitable causes. The marathon is not just a race — it is a visible demonstration that our caregivers' practice what they preach, leading healthy lives both inside and outside the hospital.



7. Blood Donation Campaigns: A Lifesaving Legacy

Brief: Aligning with the Crown Prince Mohammed bin Salman blood donation campaign, KSUMC activated blood donation as an annual community activity that saves countless lives. In 2025, our community came together to achieve 12,766 blood donors across 31 donation campaigns — a powerful testament to the spirit of giving that defines KSUMC. fi



8. Reducing Inequalities: Our Commitment to SDG 10

A truly sustainable healthcare system leaves no one behind — whether in the clinic, in the boardroom, or across the workforce.

At KSUMC, we pursue SDG 10 (Reduced Inequalities) through four practical pathways:

1 8.1 Universal Access to Healthcare (SDG 10.2, 10.3)

Every patient receives the same standard of care — regardless of gender, nationality, disability, or income.



- Equal access guaranteed to all citizens and residents under Saudi national healthcare laws
- Barriers eliminated for vulnerable and marginalized groups
- Health equity promoted through inclusive service design

2 8.2 Equal Employment Opportunities (SDG 10.4)

In full adherence to Article (3) of the Saudi Labor Law (non-discrimination in employment):

- Merit-based hiring — no bias in recruitment, promotions, or evaluations .
- Zero tolerance for discrimination based on gender, age, disability, ethnicity, or any protected characteristic .
- Inclusive workforce development for career advancement .

3 8.3 Protection of Patient Rights & Dignity (SDG 10.3)

Our Patients' Rights and Responsibilities Policy guarantees:

- Confidentiality, informed consent, and respectful treatment .
- Transparent grievance mechanisms for any violation .
- Ethical medical practices aligned with international human rights standards .

4 8.4 Safeguarding Staff Rights (SDG 10.2, 10.3)



A fair workplace begins with fair rules:

- Grievance and Ethical Conduct Committee to address concerns impartially
- Anti-harassment and anti-retaliation policies protecting whistleblowers
- Regular training on workplace equality, diversity, and inclusion

Second pillar :

Energy & Environmental
Sustainability



Saudi Vision 2030 Targets:

- **50%** of electricity from renewables by **2030** .
- Reduce carbon emissions by **278** million tons annually by **2030**.
- Net-zero emissions by **2060** .
- **30%** of cars in Riyadh to be electric by **2030** .
- Plant **10** billion trees under the Saudi Green Initiative .

Leading Healthcare Sustainability :

As part of Saudi Arabia's ambitious Vision 2030 and its commitment to **50%** renewable energy by **2030** and net-zero emissions by **2060**, King Saud University Medical City (KSUMC) has implemented a comprehensive environmental sustainability strategy. Our efforts directly support UN SDG **7** (Affordable and Clean Energy), SDG **11** (Sustainable Cities and Communities), and SDG **13** (Climate Action).

International Recognition: British Safety Council Environment Award 2025.

KSUMC was awarded the Environment Award **2025** by the British Safety Council — making us the first and only healthcare institution globally to receive this prestigious recognition. This achievement places KSUMC among the world's leading healthcare organizations in environmental management.



The award recognizes our sustained efforts in:

- Climate risk analysis — assessing impacts on infrastructure, assets, and services.
- Advanced vulnerability modeling — identifying and addressing environmental weaknesses in healthcare facilities .
- Future-ready adaptation strategies — ensuring operational sustainability through Condition-Based Monitoring (CBM) .

1. Renewable Energy Integration (SDG 7.2)



SDG Target: Increase the share of renewable energy in the energy mix.

Solar Energy Project: Renewable Energy Integration (SDG 7.2)

In collaboration withThe National Energy Services Company (Tarshid)— a national company — KSUMC has implemented on-site solar panel installations across multiple buildings.

Project Achievements:

Metric	Value
Total energy produced	3.3 million kWh.
CO ₂ emissions reduced	2,700 tons .
Carbon offset equivalent	40,000 trees planted .
Annual oil consumption saved	60,000 liters .

This project directly supports Saudi Arabia'sNational Renewable Energy Program (NREP)and the national target of50% renewable energy by 2030.

2. Energy Efficiency & Carbon Reduction (SDG 7.3, SDG 13)

Overall Energy Savings 2025		
Facility	Energy Saved (kWh)	CO ₂ Reduction (tons)
King Khalid University Hospital	42,450,000	24,112
King Khalid University Hospital (Solar)	410,000	2,329
King Abdulaziz University Hospital	6,870,000	3,902
Total	49,730,000kWh	30,343 tons

3. Reducing the Carbon Footprint in Operating Theatres

A significant innovation in 2025 was the implementation of low-flow anesthesia technology across our surgical suites.



Impact:

Metric	Value
CO ₂ equivalent emissions reduced	300 tons annually
Surgeries performed using new technology	25,000+(91% of all cases)
Annual financial savings	SAR 1.5 million

4. Water Efficiency & Rationalization Initiative (SDG 6, SDG 11)

Ongoing Project

In collaboration with the National Water Efficiency and Conservation Center, KSUMC has launched a comprehensive initiative to reduce water consumption through systematic assessment and decisive action.



2025 Water Consumption: 765,672 cubic meters .

Objective: Reduce water consumption through comprehensive assessment and action.

Key actions implemented:

- Comprehensive survey of high-consumption points .
- Benchmarking actual performance against global standards .
- Data analysis to identify leakage and waste points .
- Daily water consumption monitoring .
- Immediate leak detection and repair protocols .
- Executive plan for water system improvements .
- Recommendations for upgrading monitoring and conservation systems .
- Integration of sustainability strategies into facility operations and maintenance .

This initiative directly supports Saudi Arabia's national water conservation goals.

5. Circular Economy in Action: Reuse, Repurpose, Retain

Rethinking Waste: A Circular Economy Approach

Traditional waste management follows a linear path: produce, use, dispose. A circular economy, by contrast, keeps materials and products in use for as long as possible — extracting maximum value before recovering or repurposing them at the end of their service life. Upcycling is a key pillar of this model: taking equipment that would otherwise become waste and transforming it into something of equal or greater value without breaking it down.

At KSUMC, we believe that environmental responsibility requires thinking beyond the landfill. When medical equipment reaches the end of its clinical life, we ask a different question: How can this still serve? The answer has led us to a practical, applied upcycling program that turns decommissioned devices into educational tools, backup systems, and spare parts — keeping them within the KSU and KSUMC ecosystem, reducing electronic waste, and maximizing every riyal invested.

Instead of discarding outdated machines or considering them waste after replacement, KSUMC launched a practical health upcycling initiative — transforming decommissioned medical equipment into valuable educational and operational assets.

From Decommission to Second Life: Upcycling Medical Equipment in Action

Below are concrete examples of how we applied this circular economy model in 2024-2025.

Case 1 : MRI Machine Donated for Education



An MRI machine was decommissioned during the medical imaging equipment replacement project. Rather than disposing of it, KSUMC transferred the structure to the College of Applied Medical Sciences (Female Campus)

at King Saud University, where it is now displayed and used for educational purposes — helping students understand MRI technology firsthand.

Case 2 : CT Injector Retained as Backup

When replacing older CT scanners, KSUMC retained one CT contrast injector in working condition. It was refurbished at no additional cost and transferred to King Khalid University Hospital as a backup device — ensuring service continuity during maintenance of primary injectors.

Case 3 : X-Ray Detectors Retained as Spare Parts

When replacing mobile X-ray machines, KSUMC retained three X-ray detectors (Siemens model) in working condition. These were stored as spare parts that can be used in both fixed and mobile X-ray systems when needed — extending the life of existing equipment and avoiding new purchases.

Case 4 : Ultrasound Probes Retained for Future Use

When replacing older ultrasound machines, KSUMC retained five ultrasound probes (Philips model) in working condition. These are now available for use when needed — reducing the need for immediate new purchases.

6. Environmental Audits & Compliance

Environmental Inspections Conducted in 2025

Activity	Number
Environmental tours / inspections	51

These regular audits ensure continuous compliance with environmental standards and identify opportunities for further improvement.

7. Waste Management & Operational Efficiency

Medical Waste Management

Achievement	Impact
Operational efficiency in medical waste management	SAR 3,670,684 saved through weight and output optimization
Chemical waste reduction	671 kg of stored chemicals eliminated, reducing environmental risks and improving safety
Surface cleanliness monitoring	ATP devices used to electronically measure surface cleanliness, enhancing environmental control and sterilization quality

8. Converting Cooking Equipment to Electric

A Greener Kitchen for a Healthier Future

In alignment with **KSUMC's** commitment to reducing carbon emissions and enhancing operational sustainability, the Nutrition Services Department has launched a transformative initiative to transition kitchen operations from gas to electricity. Cooking infrastructure is often an overlooked source of emissions within healthcare facilities — yet commercial kitchens consume significant energy and produce combustion-related pollutants that affect both the environment and indoor air quality. Recognizing this, KSUMC is proactively reimagining its food service operations as part of a broader environmental strategy.

Initiative: Convert gas-powered cooking appliances to electric — **50%** (completed) , with the remaining conversion expected by the end of **2026**.

Purpose:

- Improve energy consumption efficiency .
- Reduce carbon emissions from combustion processes .
- Improve indoor air quality in work facilities .
- Support KSUMC's environmental sustainability goals .
- Enhance operational efficiency and occupational safety .

9. Urban Greening & Biodiversity (SDG 11.7, SDG 13.1, SDG 15)

Trees Planted in 2025

Year	Trees Planted	Green space expansion	Completion
2025	1,234 trees	1,504 m ² added	90%

These efforts support Saudi Arabia's Saudi Green Initiative and the national target of planting 10 billion trees.



Third pillar:

Innovation & Research

17 PARTNERSHIPS
FOR THE GOALS



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



UN SDGs: 9 (Industry, Innovation & Infrastructure) and 17 (Partnerships for the Goals)

Saudi Vision 2030 Alignment

Target	Goal
Global Innovation Index	Aiming for top 20 by 2030
Carbon emissions reduction	278M tons/year → 130M tons by 2030 (Circular Carbon Economy)
Energy efficiency	30% reduction in industrial energy waste by 2030
R&D spending	Increase to 2.5% of GDP by 2040
Patents & IP filings	Significant increase
Digital skills	Train 1 million Saudis
Global tech & AI hub	Become a regional and international leader

King Saud University Medical City (KSUMC) is dedicated to providing world-class physical and digital infrastructure in alignment with Saudi Vision 2030 and UN SDG 9 (Industry, Innovation, and Infrastructure). Through strategic partnerships, cutting-edge research, and a culture of innovation, we are driving the Kingdom's transformation into a knowledge-based economy.

1. Robust Infrastructure Compliance (SDG 9.1, 9.4)

KSUMC ensures all facilities adhere to the highest national and international standards:

Physical Infrastructure Regulations:

- MOMRA (Ministry of Municipal & Rural Affairs)
- SBC (Saudi Building Code)
- Civil Defense (Fire & Safety Compliance)
- CBAHI (Central Board for Accreditation of Healthcare Institutions)

Digital Infrastructure & Cybersecurity:

- Data Protection & Privacy Laws
- Digital Government Authority (DGA) Regulations
- National Cybersecurity Authority (NCA) Compliance
- Anti-Cybercrime Law & Digital Content Regulations
- Health Data Governance (MOH & CBAHI)

2. Advancing Research & Development (R&D) (SDG 9.5, 9.b) Research Achievements 2025

Activity	Value
Research consultation hours provided	2,225 hours
Specialized research seminars	12 seminars
Research samples analyzed within clinical trials	65,660 samples
"Ask an Expert" initiative (with College of Medicine)	Research consultations for all KSU researchers

Publications:

In **2025**, KSUMC and the College of Medicine collectively produced **1,270** PubMed-indexed publications, reflecting the depth and breadth of research activity across our medical city. This output demonstrates our unwavering commitment to advancing medical knowledge, evidence-based practice, and global scientific collaboration. From clinical trials to translational research, each publication represents the dedication of our physicians, researchers, and trainees to improving patient outcomes and contributing to the Kingdom's growing research enterprise.



Research Conducted at KSUMC – 2025

The following research projects were entirely conducted within King Saud University Medical City (KSUMC), leveraging our specialized centers, clinical expertise, and state-of-the-art facilities. Each project reflects the dedication of our researchers to advancing medical knowledge and improving patient care from within our own institutions.

Center / Department	Number of Research Projects
Prince Naif Center for Health Research	20
Sleep Medicine Center	40
King Abdullah Specialized Ear Center	32
University Diabetes Center	26
King Fahad Cardiac Center	114
Clinical trials	32
Total	264

3. Patents & Intellectual Property

KSUMC achieved the registration of nine patents covering advanced medical devices and therapeutic innovations across:

- Orthopedics
- Oncology
- ENT (Ear, Nose & Throat)
- Ophthalmology
- Dentistry

4. Medical Innovations Featured in Saudi Vision 2030 Annual Report 2025

KSUMC is proud to be featured in the Saudi Vision 2030 Annual Report 2025 with two groundbreaking medical innovations:



1. Cervical Spine Surgical Implant
 - Two U.S. patents granted
 - First successful clinical use
2. Corneal Transplantation using Collagen Tissue Additive Keratoplasty (CTAK)
 - First in the region

5. International Recognition for Research Protection

KSUMC earned international accreditation from the **Association for the Accreditation of Human Research Protection Programs (AAHRPP)**, a globally recognized standard that certifies our commitment to the highest ethical and safety standards in human subjects research. This accreditation positions KSUMC as a trusted leader in research integrity, ensuring that every study conducted within our medical city prioritizes participant safety, informed consent, and rigorous ethical oversight.



6. MESH™ Innovation Incubator Partnership



The MESH™ innovation incubator was established in **2016** as an internal entrepreneurship accelerator within Mass General Brigham, in collaboration with Harvard Medical School, and is the first incubator of its kind integrated within a hospital system. Since its inception, MESH has supported more than 2,500 physicians and researchers through development projects, patents, startup creation, and specialized innovation education programs. King Saud University Medical System has entered a two-year partnership (**2025–2026**) with MESH for healthcare innovation, offering physicians, researchers, investors, startups, executives, and students unprecedented access to advancements in digital health, artificial intelligence in medicine, biotechnology, and healthcare entrepreneurship. The collaboration also includes startup pitch sessions and strategic discussions on the future of investment and technological transformation in the healthcare sector.



7. National Leadership in Data & Artificial Intelligence: SMAI Initiative

KSUMC is proud to be part of the national SMAI initiative by the Saudi Data and Artificial Intelligence Authority (SDAIA) — a landmark program to strengthen national capabilities in data and artificial intelligence, reinforcing the Kingdom's focus on human capital development and digital transformation.

This initiative enables public sector employees to adopt AI technologies responsibly, enhancing productivity and operational efficiency across government entities. KSUMC's active participation reflects our commitment to embedding AI literacy across all clinical and administrative roles.

More than 90% of KSUMC staff have completed AI training courses through this national initiative, positioning KSUMC as a national leader in healthcare workforce digital upskilling.



8. Strategic Partnerships for Sustainability (SDG 17)

KSUMC has demonstrated exceptional commitment to fostering strategic partnerships with leading national and international organizations. Through collaborative initiatives, KSUMC aligns its efforts with both the UN Sustainable Development Goals (**SDGs**) and Saudi Vision **2030**, driving advancements in healthcare innovation, research, and sustainable development.

By engaging in high-impact alliances, KSUMC reinforces its role as a key contributor to national and global health objectives while supporting the Kingdom's transformative vision for a knowledge-based economy and enhanced societal well-being.

■ Our Mega Partners in Sustainability :

Partner	Focus Area
 الشركة الوطنية لخدمات الطاقة The National Energy Services Company	Energy efficiency and renewable energy
 مركز الملك سلمان للإغاثة والأعمال الإنسانية KING SALMAN HUMANITARIAN AID & RELIEF CENTRE	Global humanitarian healthcare
 MESH INCUBATOR	Healthcare innovation and entrepreneurship

2025

Partnerships

Entity	Alignment with the Sustainable Development Goals (SDGs)			
				
				
				
				
				
				
				
				
				
				

Fourth pillar:

**Human Capital &
Workforce Sustainability**

4 QUALITY
EDUCATION



8 DECENT WORK AND
ECONOMIC GROWTH



UN SDGs: 4 (Quality Education), 5 (Gender Equality), 8 (Decent Work & Economic Growth), 10 (Reduced Inequalities)

Saudi Vision 2030 Alignment :

Target	Goal
Higher global university rankings	For Saudi institutions
Reduced youth unemployment	Through better skills alignment
More Saudi graduates	In high-demand fields (AI, engineering, healthcare)
Digitally fluent workforce	Ready for Industry 4.0
Women's workforce participation	Raised from 22% (2016) to 30% by 2030 (exceeded)
Unemployment reduction	From 11.6% (2016) to 7% by 2030
Tourism GDP contribution	From 3% to 10% by 2030
Data & AI specialists	Train 20,000+ by 2030

At King Saud University Medical City (KSUMC), we recognize that our greatest asset is our people. Our human capital strategy is designed not simply to fill positions but to build careers, foster inclusion, ensure safety, and drive national economic progress. Through deliberate investment in education, gender equity, workforce development, and fair opportunity, we directly advance UN SDGs 4, 5, 8, and 10 – while powering Saudi Arabia's Vision 2030 transformation.

1. Excellence in Medical Education & Lifelong Learning (SDG 4)

Gold-Standard Accreditations (SDG 4.3, 4.4)
KSUMC holds a remarkable collection of internationally recognized accreditations that validate the quality of our training programs:



These credentials confirm KSUMC as the Kingdom's most internationally recognized medical training institution.

Shaping the Next Generation of Healthcare Professionals (SDG 4.3)

As the Kingdom's largest medical training hub, KSUMC offers:

- **135** accredited programs spanning every medical specialty .

Historic Firsts:

- Saudi Arabia's first postgraduate medical program (**1984**) .
- Exclusive sub-specialty fellowships in **7** surgical disciplines .
- Integrated Saudi Board certification pathways .

2025 Program Expansion :

Program accredited by	New addition
KSU	6 programs
SCFHS Programs	3 programs

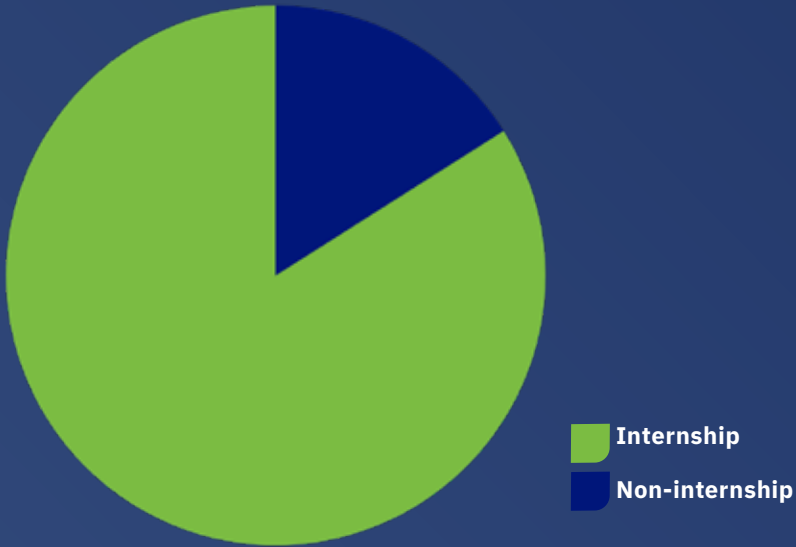
Training Outcomes: A Record of Excellence :

Measure	Performance
Graduates	356
Residency Pass	91%
Fellowship Pass	94%
Diploma Pass	79%

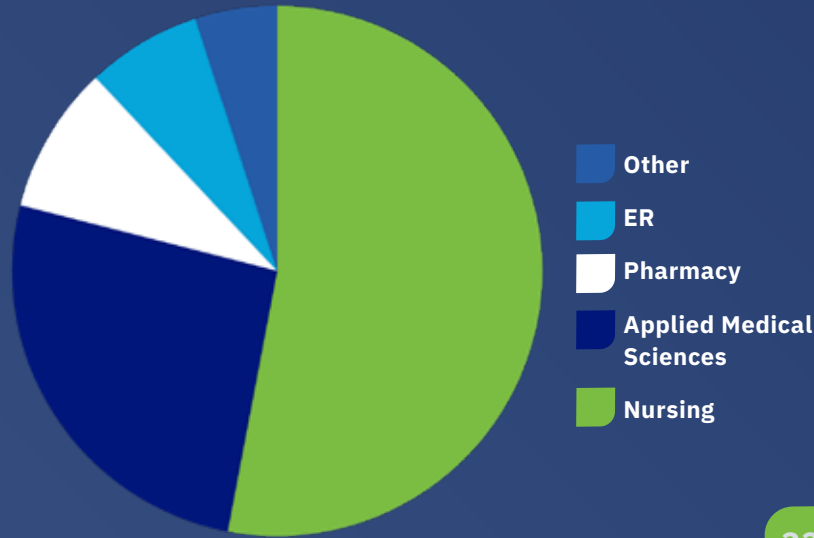
Our Learning Community :

Category	Count
Trainees	6,504
Interns	1,242
Total	7,746

Learner Profile :



Distribution by Specialty :



Global Recognition for Educational Excellence (SDG 4.b)

Ranking Body	Achievement
	Top 250 Academic Medical Centers — 91st worldwide .
	Top Healthcare Organization in Saudi Arabia .
	Top Specialized Hospital in the Middle East .
	Leading Middle Eastern Institution for Medical Research.

- These honors reflect our commitment to research-led teaching and clinical-academic integration.

Supporting Every Learner (SDG 4.5)

We remove barriers to education through:

 - Flexible work schedules .
 - Tuition reimbursement programs .
 - Clinical duty accommodations .
 - Dedicated research leave .
 - International scholarship opportunities .

2. Advancing Gender Equality in Healthcare (SDG 5)

- A Foundation of Fairness (SDG 5.1, 5.c)

KSUMC fully enforces Article 3 of the Saudi Labor Law, which prohibits gender discrimination in hiring, promotion, and compensation. Our internal Gender Equity Policy goes further, incorporating blind recruitment practices and equal pay guarantees.

Women's Leadership: A National Model

KSUMC has not only met but surpassed Saudi Vision 2030's target for female workforce participation:

Indicator	KSUMC Achievement
Women in leadership roles	31%
Women in overall workforce	58%

- These figures position KSUMC as a benchmark for institutional reform and gender inclusivity in the Kingdom's healthcare sector.



3. Decent Work, Economic Growth & Workforce Safety (SDG 8)

Building National Capacity (SDG 8.5, 8.6) :

Metric	KSUMC Contribution
Healthcare professionals trained annually	8,000+
Accredited training programs	135
Saudization rate	55% (above sector average)
Female workforce share	58%
Female leadership share	31%

KSUMC supplies 18% of Saudi Arabia's specialist physicians each year, steadily reducing dependence on international expertise.

Safe Work Environment

We prioritize physical and psychological safety through:

- Reduction of workplace injuries and occupational hazards .
- Provision of high-quality personal protective equipment (PPE) .
- Zero-tolerance policies against workplace violence .

Care for Our Caregivers

Employee well-being is embedded in our culture:

- Access to mental health counseling and burnout prevention programs .
- Flexible scheduling to promote work-life balance .
- Comprehensive wellness initiatives for all staff .

Local Impact: Hiring and Economic Growth

KSUMC is deeply committed to strengthening the local economy and creating sustainable career opportunities for Saudi nationals. Our approach combines active recruitment from surrounding communities with structured apprenticeship and internship pathways that prepare citizens for long-term careers in healthcare. This strategy has yielded a 55% Saudization rate— exceeding the national healthcare sector average — while 58% of our workforce are women, and 31% of leadership roles are held by women. By prioritizing local talent, we reduce reliance on expatriate expertise, build community trust, and contribute directly to Saudi Vision 2030's goal of a skilled, self-sufficient national workforce.

Mega Projects Driving Economic Expansion (SDG 8.1, 8.9)

University Family Medicine Center

9,227 sqm, 66 clinics — completion 2027



King Fahad Cardiac Center
120-bed specialized facility — Q2 2027



Fair Employment Practices (SDG 10.4)

Consistent with Article 3 of Saudi Labor Law, we enforce:

- Merit-only hiring, free from bias in recruitment, promotion, or evaluation .
- Zero tolerance for discrimination based on gender, age, disability, ethnicity, or any protected characteristic .
- Inclusive workforce development programs with equal advancement opportunities .

Patient Rights & Dignity (SDG 10.3)

Our Patients' Rights and Responsibilities Policy ensures:

- Confidentiality, informed consent, and respectful treatment for every individual .
- Transparent grievance mechanisms for any violation .
- Ethical medical practices aligned with international human rights standards.

Staff Rights & Ethical Workplaces (SDG 10.2, 10.3)

We maintain a fair workplace through:

- A Grievance and Ethical Conduct Committee for impartial resolution .
- Anti-harassment and anti-retaliation protections for whistleblowers .
- Regular training on equality, diversity, and inclusion .

Thank you