

RQ: How can stakeholder centric business models overcome institutional voids in the development of sustainable healthcare in

leadership Lack of No Focus on cost internal sustainability reduction alignment strategy Joint action Safety Government Suppliers Insurers Goal setting for UMCs Other sustainability Institutional void Individual action Collective action Sustainable healthcare currently is an institutional void in which actors take individual actions, but collective action can resolve this _____

Leids Universitair Case Study: LUMC Medisch Centrum

• The LUMC states that by 2030 it wants to be climate neutral and increase circularity. Several steps have been taken to achieve this, related both to core activities as well as to other sideline activities, and sustainability milestones are celebrated by the hospital.

Introduction



- Healthcare expenditure keeps increasing on an annual basis.
- The government aims to limit this with regulated competition.
- UMCs have adopted a cost focused approach.
- Sustainable development has emerged within healthcare, Green Teams and bottom up initiatives have been set up.
- But the transition towards sustainable healthcare is slow.
- Actors in the market do not contribute due to several barriers.
- Sustainable healthcare has become an institutional void.

Theoretical Framework

- Barriers of institutional voids can be overcome by collective action, so UMCs need to manage their stakeholders effectively.
- Stakeholder theory defines definitive stakeholders for UMCs: the government, suppliers, and insurers.
- Adopting stakeholder management within an UMC's business model, aids managers to collaborate with these stakeholders on sustainable healthcare.

Methods

- Stakeholder categorization
- 14 interviews with stakeholders
- Case study on the LUMC
- 2 focus group interviews at the LUMC

Results

- 4 types of barriers have been identified in sustainable healthcare.
- UMCs focus on cost reduction, but lack an internal strategy on sustainability and alignment to achieve this.
- External stakeholders then discard their responsibility for sustainability. Only suppliers want to take the lead.
- Accounting for these responses in a business model aids UMCs to manage their relations for sustainable healthcare.

Conclusion

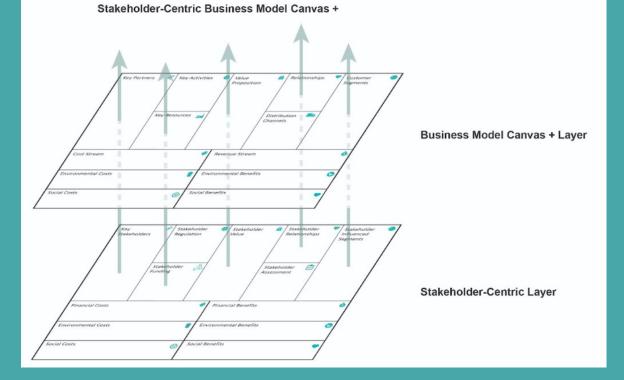
- To overcome the institutional void, actors need to move from individual action towards collective action for sustainability.
- The stakeholder-centric business model canvas + is a
- However, after conducting the Better Business Scan to analyze the hospital's sustainability attitude, the LUMC's motivation for sustainability is characterized as 'stuck in the middle'. Some steps have been taken towards sustainable healthcare, but this does not imply that the entire organization has the same sustainability intention and can therefore lead to organizational paralysis with regards to sustainability.
- The current barriers for the LUMC are a lack of internal alignment, lack of communication and coordination on sustainability, habitual constraints, conservative attitudes, and a cost focused approach.

Stakeholder-Centric Layer Business Model Canvas + LUMC

• To adapt an active intention and realization attitude toward sustainability, the LUMC should adopt a long-term sustainability strategy and broaden its value proposition. The challenge, and opportunity, for the LUMC therefore is to reconcile its 2030 sustainability goals with its short term cost efficiency goals. This can be achieved by adopting a sustainable business model and by working together with definitive external stakeholders for sustainable healthcare.

facilitating tool to instigate collaboration.

Business Ecosystem Layer Business Model Canvas + LUMC



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Key stakeholders Ministry of VWS • Driven by the general public • • Green Deal 2.0 Medical suppliers • Equipment and tools • • No pharmaceuticals Mon Medical • Food, beverages, energy, construction Insurers • Continuity of care Ministry of OCW • Funding of research on sustainability • • Implement sustainability in education Regional stakeholders • Gemeente Leiden • • Citizens of Leiden •	Stakeholder regulation Ministry of VWS European regulation No sustainable regulation Suppliers MDR Insurers HIA Stakeholder funding Ministry of VWS No budget for sustainability Insurers No financial incentive for sustainability Ministry of OCW Budget for sustainability	at prevent Ministry of OC Implement sustainabil	VS care of high lity is not a <u>iers</u> er position <u>suppliers</u> stainable from e in other gh quality and care and aim ion	Stakeholder relationships Ministries of VWS and OCW • Facilitating relation Suppliers • Contractual relation Insurers • Contractual obligation Stakeholder assessment Ministry of VWS • No assessment Suppliers • Supplier sustainability reporting	 Stakeholder influenced segments Ministry of VWS Increased urgency for sustainability by citizens European legislation Ministry of OCW Leiden University Suppliers Hospital staff and their habits Insurers National legislation European regulation (Future) Clientele Patient boards 	Key partnersPatientcare• Insurers• Ministry of VWS• BanksEducation• Universiteit Leiden• OOR Leiden• Ministry of OCWResearch• Ministry of OCW• Erasmus MC, TUDelft, Leiden BioScience Park• Equipment suppliers• Private funds	Key activities Patientcare • Medical innovation • Regenerative medicine • Population health Education • University, Medical Research • Graduate School Key resources Physical • Buildings, supplies and equipment Intellectual • Leiden University Human • Staff key activities Financial • Subsidies and DBCs	 Value propo Patientcare Value and Driven He Education Research Blended L Interdiscip Internatio Honours C Research Open Scie From-ben bedside-P "As an innova LUMC stands improving he and people's 	Data althcare Intensive earning olinary nal College nce ch-to- rinciple ator, the for althcare	Relationships Patientboard • KPIs and patient satisfaction Student Council • Board agreements • Collabs universities Research • Citation score • Prizes & recognition Channels Patientcare • Insurers Education • Universities Research • Journals, congresses, and conferences	Segments Patients • Top clinical care • Top referral care • 40 Expertise centres rare diseases • Regular care • Acute care Students • Decentral selection PhD Candidates and Researchers	•
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