

# WHAT ASPECTS OF BIOGEN'S SUSTAINABILITY EFFORTS DOES IT CUSTOMERS DERIVE VALUE FROM?



Contract Manufacturing

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### **Problem Statement**

sustainable way possible, yet it is unsure of whether its customers are aware of its initiatives. Biogen seeks a deeper understanding of the awareness and importance of its sustainability programs towards current customer needs and future trends. manufacture clients), with an eye towards how it can better align its sustainability efforts to its customers (patients, doctors, hospitals, insurance companies, contract Biogen invests significant capital and effort to ensure it conducts its business in the most

### About Biogen

of drugs in clinical trials for Alzheimer's, Lupus, and non-Hodgkin's lymphoma diseases. Biogen currently has cutting edge therapies for Multiple Sclerosis and has a variety manufactures a variety of therapies for individuals with neurological, autoimmune and rare As one of the leading biopharmaceutical companies in the world, Biogen develops, tests, and

# **Customers & Stakeholders**



### Methodology



Customer Stakeholder Awareness & Perceptions of Sustainability

# Questions in the Patient Survey

- rescription medications? [Choose Top 3]
  <a the medicines you are prescribed? [Choose One]
  <a href="Yelfonts of the companies">Yelfonts of the companies that make your medicines</a>

Dhivya Ravikumar - Dhivya@MIT.edu Cristina Logg - Logg@MIT.edu Contact Information

- Madeleine Sessions Madsess@MIT.edu Andrey Shovkoplyas Ashovk@MIT.edu bility programs that you are aware of?

- e there any sustainability initiatives that are or will become particularly important to you? You have any final thoughts on sustainability in the pharmaceutical industry you would like to anonymously share

# **Patient Survey Findings**

- : unaware of the sustainability efforts of the pharmaceutical industry.

  Patients are focused on a variety of issues – the biggest concerns are efficacy, price, Patients generally do not know which company makes the drugs they take and are
- 2. safety, side effects, and insurance coverage (see Chart 1).
- ω Patients are aware and concerned about the perceived lack of information sharing involved in pharmaceutical research and trials. between research institutions, universities, government agencies, and other bodies Patients do not recognize price and access to medicines as sustainability issues
- Environmental and social sustainability efforts are not mutually exclusive patients and getting their prescriptions. generally care about both, even though their primary concern may be about affording

general public opinion surrounding the company. behavior by patients – but it could impact how Biogen is perceived by patients and the The sustainability efforts of a company such a Biogen will likely not impact purchasing

Percentage of survey respondents who selected the following as their biggest concerns about the prescriptions they take

Waste Generated From Use
Chart 2. Map of Stakeholder Sustainability Interests

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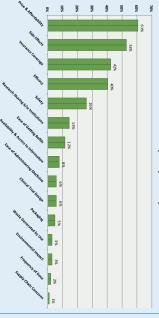
earch Sharing Between iutions

ainable Supply Chains

al Trial Design

ty & Side Effects

and Affordability to Medicines



unique 5-7 years window of opportunity for Biogen to become an industry leader in Social Sustainability - capturing a privileged position with its key customer groups.

5 Recommended Projects for Biogen to Pursue

Explore opportunities to engage in further educational patient outreach, potentially with patient advocacy organizations.

Low customer awareness and gaps in understanding of Social Sustainability issues creates a as customers become more educated and their shared common interests become apparent The differences in sustainability issue prioritization between Biogen's customers will dissipate companies competitive positions in the next 5-10 years.

biopharmaceutical industry landscape and one of the key factors which will determine Environmental and Social Sustainability will become an inherent part of the

Roadmap for Biogen

### **Chart 1.** Survey of Patient's Concerns About Their Medi Other Stakeholder Findings

decrease a potential drug's research and development timeline and cost Advocacy organizations seek a streamlining of research and medical data sharing to

Short -Term

Look further at where Biogen can align its product packaging and transportation with major purchaser's needs and reduce the waste from its products' use.

Investigate further opportunities for Biogen to work with research institutions in sharing and streamlining research.

Conduct an internal stakeholder assessment on the viability of working towards price transparency in the next two to five years.

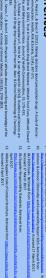
- Doctors are singularly focused on efficacy but there are indications that corporate social responsibility may sway doctors.
- supplies, but not drugs, but this may be changing. procurement practices that involve sustainability focuses on medical devices and general Impacts of sustainability on hospital purchasing behavior are mixed – the majority of
- Kaiser Permanente and Partners Healthcare emphasize social and environmental company sustainability into sustainability purchasing requirements. sustainability across the board and may lead with respect to incorporating drug

Long-Term

Discuss with other industry leaders the opportunity to push for green chemistry legislation in the United States.

- Insurance coverage is not directly impacted by sustainability cost, performance and safety drive coverage decisions – but there is room for price transparency.
- initiatives such as energy, resource use and waste reduction. demand among potential contract manufacturing clients for Biogen's environmental Environmental sustainability matters most for contract manufacturing – there is clear

### References







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