

# A Comprehensive Analysis of the FDA 510(k) Process Industry Practice and Implications for Reform

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# **Background: Previous Study on Medical Device Development Models**

#### **Previous Study**

Pietzsch JB, Shluzas LA, Paté-Cornell ME, Yock PG, Linehan JH. "Stage-Gate Process for the Development of Medical Devices." *Journal of Medical Devices*, 3:2 (2009).

CD of full study report available from InHealth (www.inhealth.org)



Study on

#### **Medical Device Development Models**

Final Report

Prepared for



InHealth - The Institute for Health Technology Studies

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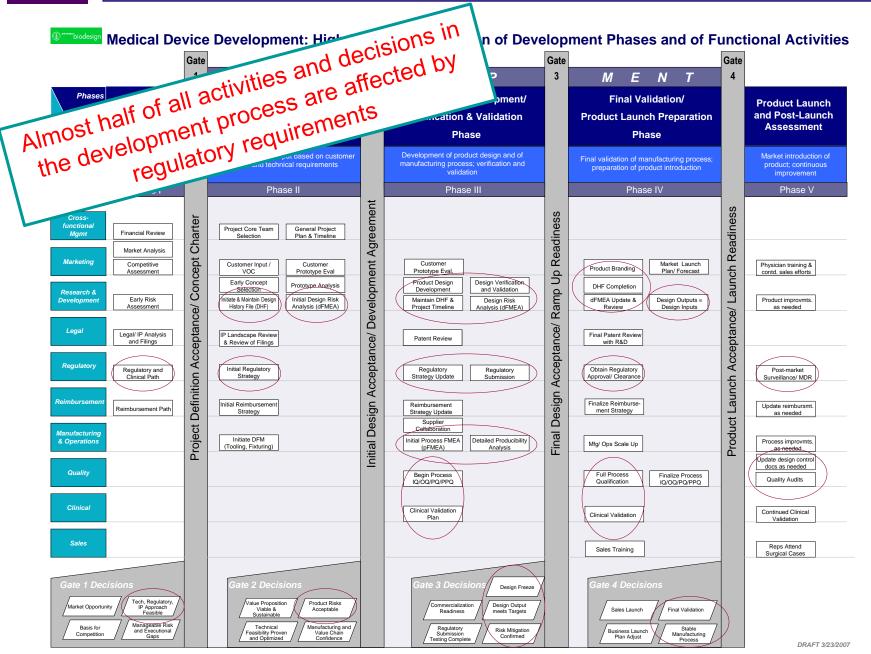
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### Regulatory Requirements Heavily Influence Device Development





## Observations on 510(k) Reform Debate

#### **Observations**

- Current discussions on 510(k) often rely on anecdotal experience
- Lack of systematic evidence
- Lack of data about process efficiency
- Misconceptions and misunderstandings about nature and implementation of current process
- Discussion could build more heavily on expertise of regulatory professionals



# **Study Objectives**

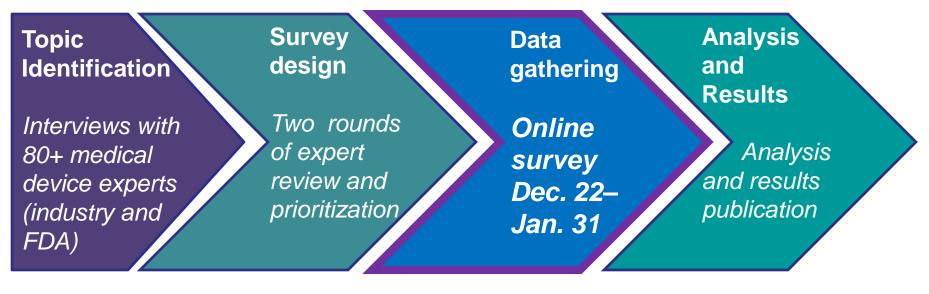
#### **Study Objectives**

Contribute to current reform debate by conducting a <u>large-scale online survey</u> that focuses on:

- Timelines
- Interactions with the agency
- Challenges in current implementation and specific opportunities for improvement of the process
- Data collection to elucidate aspects of the process that are often misunderstood or where misperception exists
- Comparative experience with international regulatory programs



# **Survey Methodology and Timeline**



8/2010 12/22/10 4/2011



# **Survey Design**

### **Survey Elements**

Demographic info (9 questions)

• Predictability (13 questions)

Interaction with FDA (15 questions)

Process (15 questions)

• Device-specific experience (34 questions)



# **Requirements for Participation**

#### **Participation**

- Respondents need to have been involved with a 510(k) submission over the course of the past 3 years
- Participation anonymous
- Time requirement: 45–60 minutes (can pause and resume)
- Need to complete survey by January 31, 2011



# **Information on Survey Access**

# Access to survey and resource center: www.510k.net

