

# Data Analysis Software

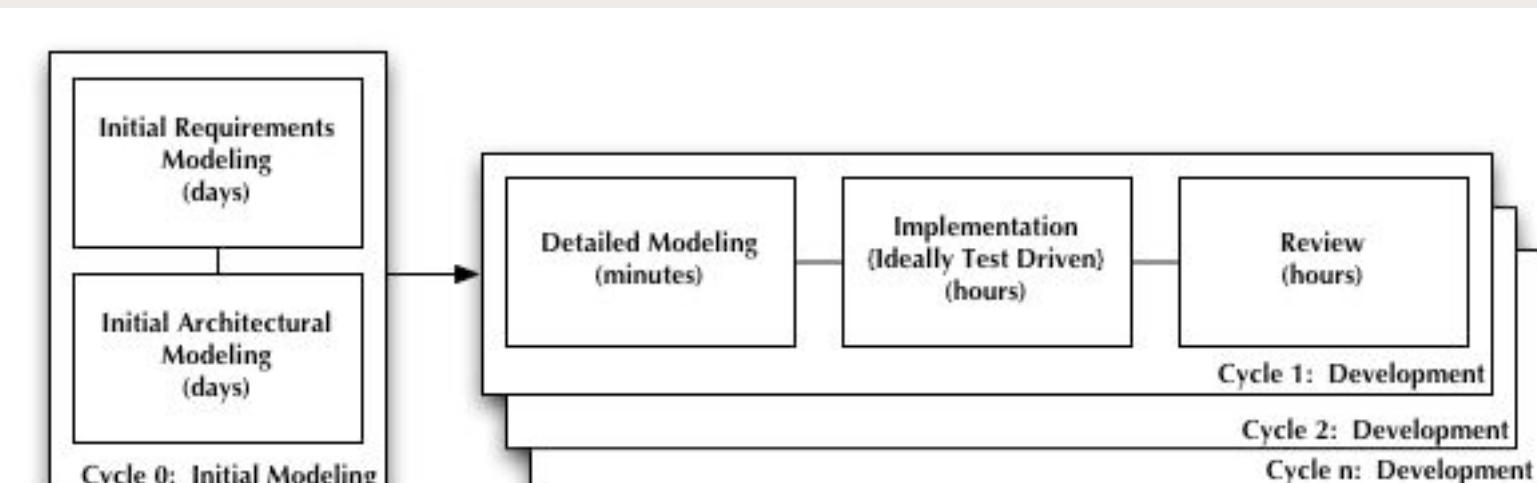
## Phoenix Ambulatory Blood Pressure Monitor

13 March 2005

© 2005 Christopher J. Adams

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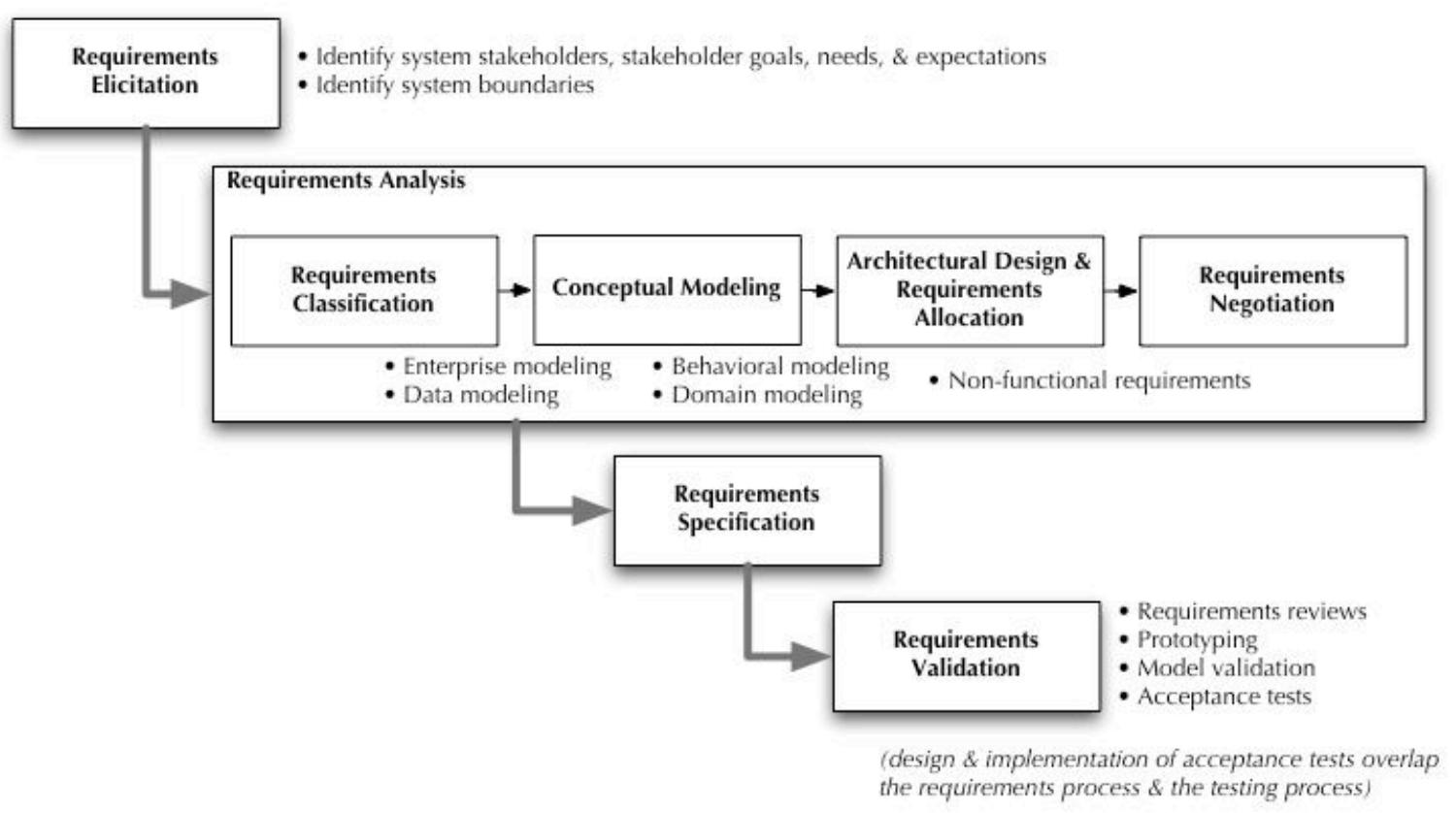
# Software Engineering Process



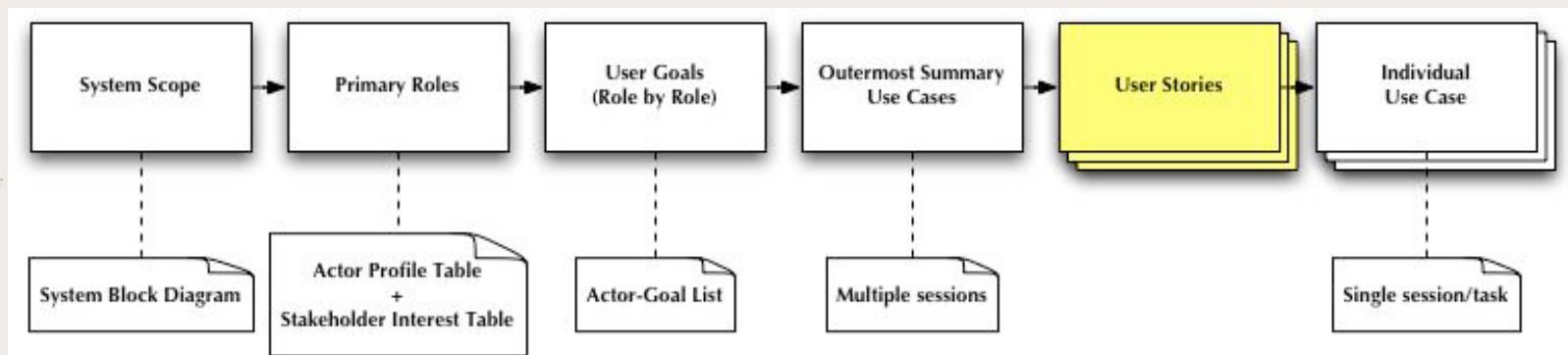
Need more emphasis on requirements and architectural model evolution.

Need to address whether implementation is to be test driven.

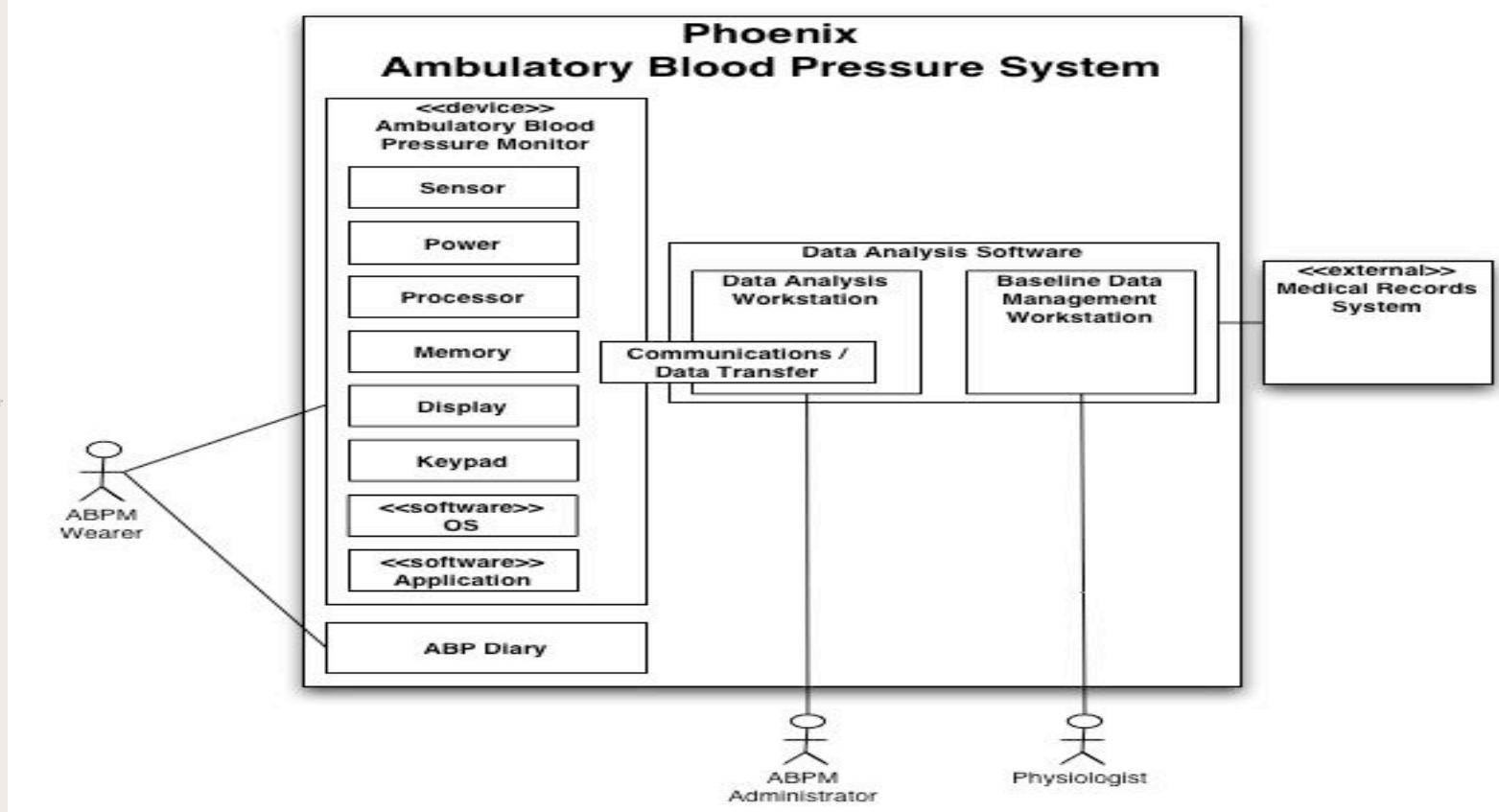
# Requirements Process



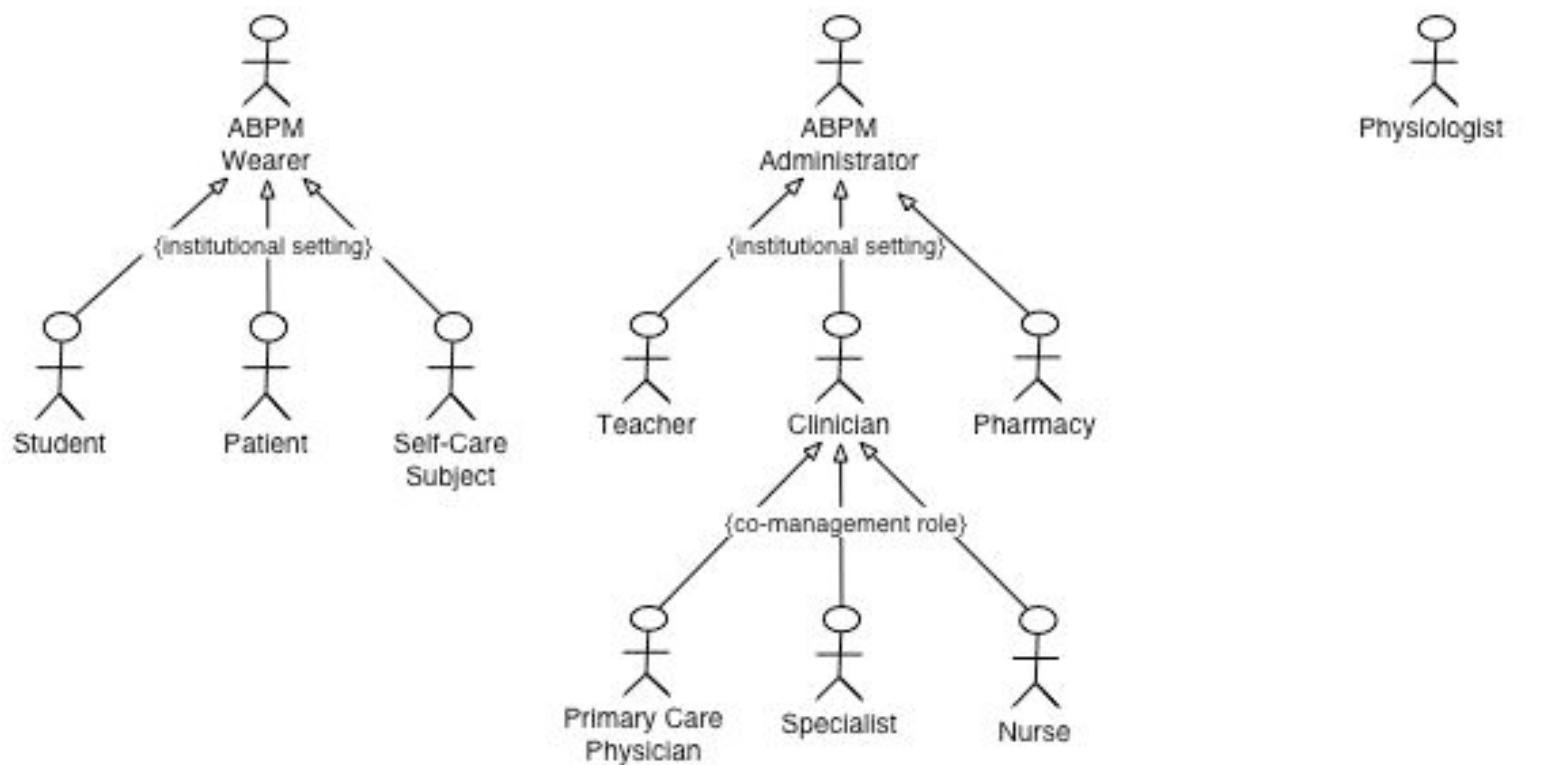
# Requirements Elicitation Process

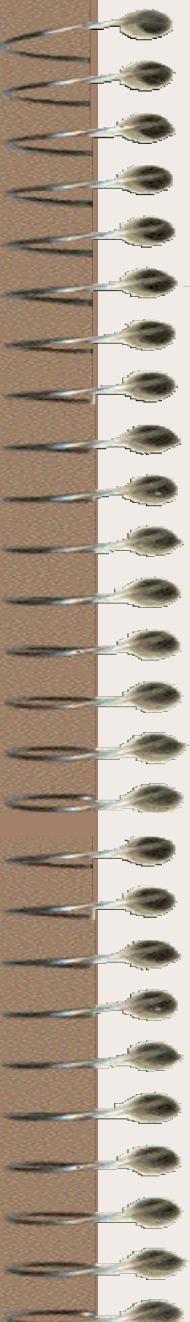


# System Block Diagram



# Actors





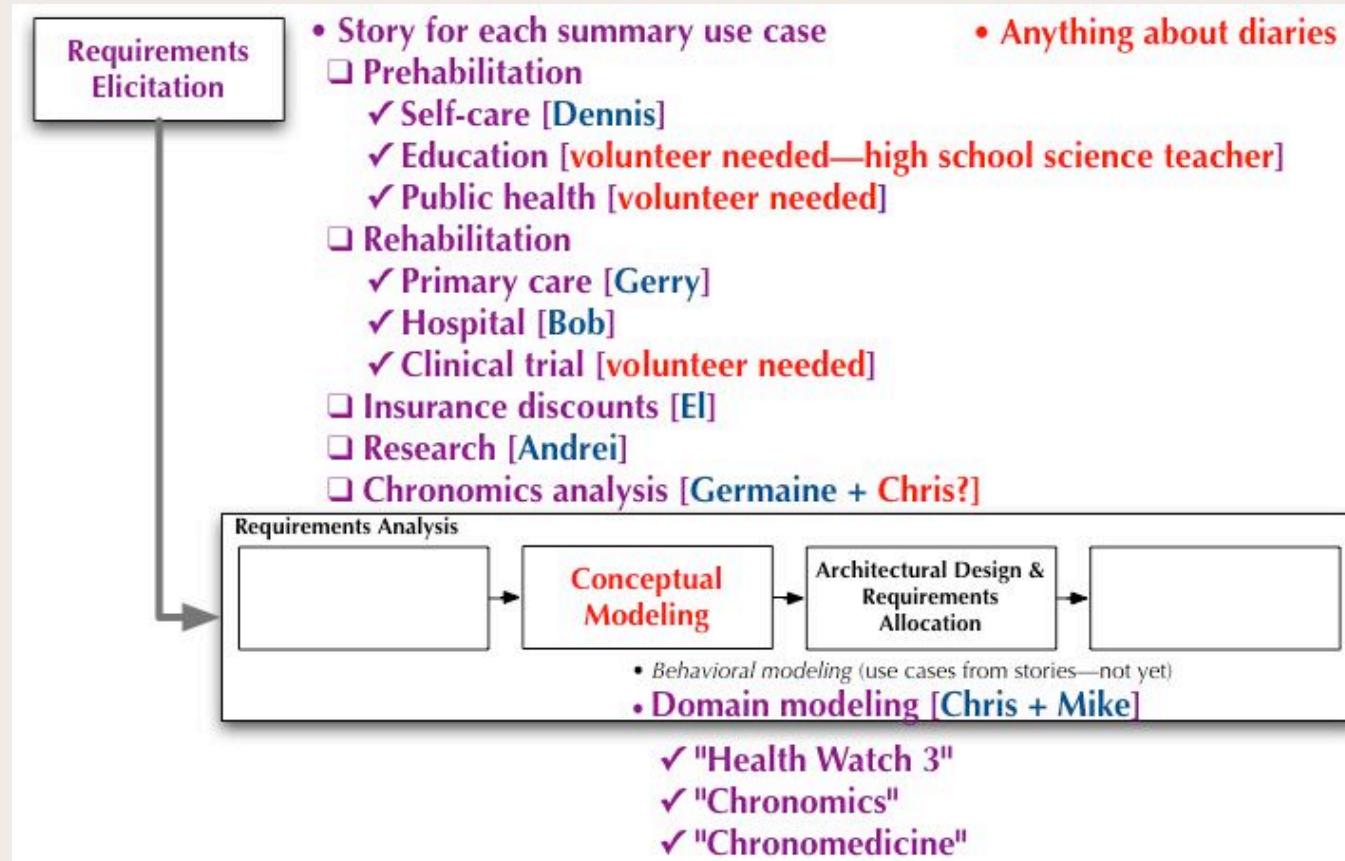
# Summary Use Cases

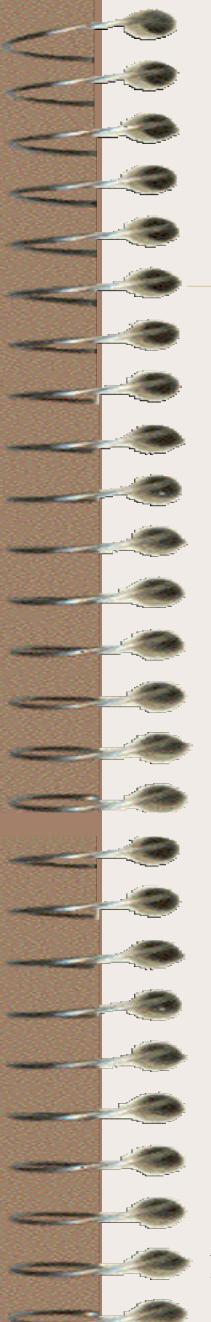
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- Prehabilitation
  - Self-care
  - Education (high school)
  - Public health
- Rehabilitation
  - Primary care
  - Hospital
  - Clinical trial
- Insurance
  - Illness-prevention discounts
- Research
- Chonomics analysis

# Next

# User Stories & Domain Model



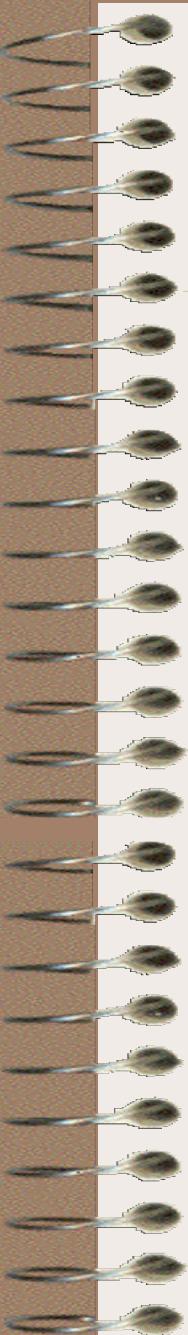


# Storytime

## Prehabilitation—Self-Care [Dennis]

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- See [Self-Help Scenario.pdf](#)

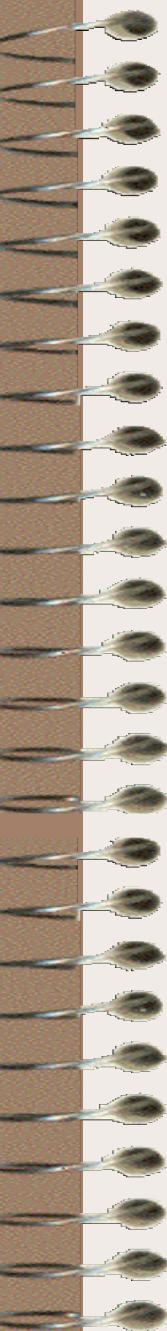


# Storytime

## Rehabilitation—Primary Care [Gerry]

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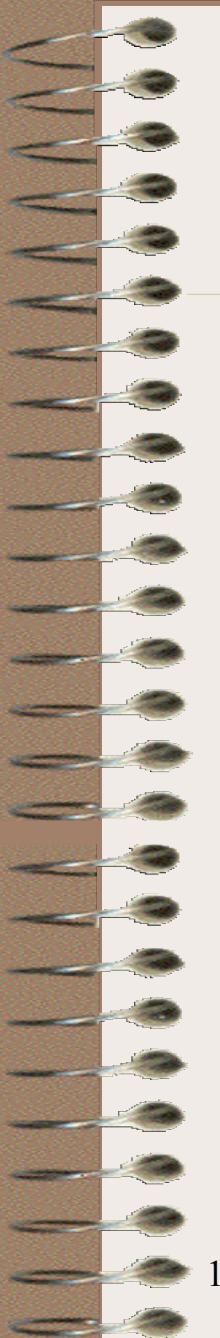
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# Storytime

## Rehabilitation—Hospital [Bob]

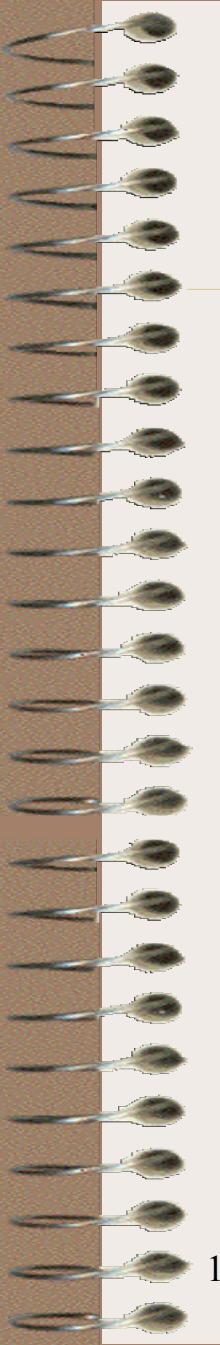
- tbd



# Storytime Insurance Discounts [E1]

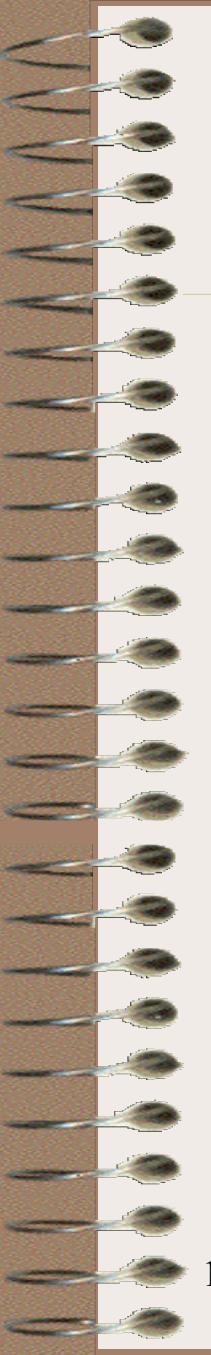
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- See business case
  - [Public Health and Insurance.pdf](#)



# Storytime Research [Andrei]

- See [Research Scenario.pdf](#)



# Storytime

## Chronomics Analysis [Germaine]

- Chronobiology Home Page
  - "Intro to Chronobiology: Applications toward primary and secondary prevention"
- Neonatology case report
  - CHAT in pregnant woman
- American Journal of Hypertension case report
  - circadian BP overswinging in fit, normotensive woman
- Biomedicine & Pharmacotherapy article
  - chronic community screening and depression