

Understanding the Prodrome of Fournier's Gangrene and Missed Opportunities for Earlier Diagnoses

Justin Drobish¹, Aaron Miller², Scott Koeneman², Phillip Polgreen², Bradley Erickson¹

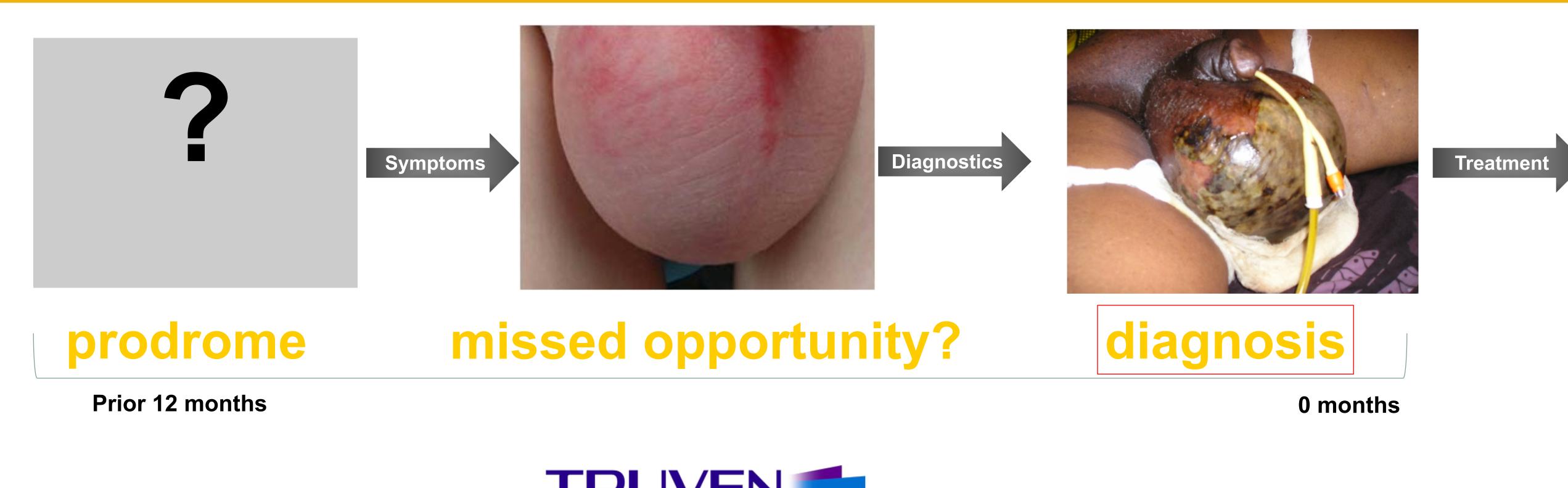
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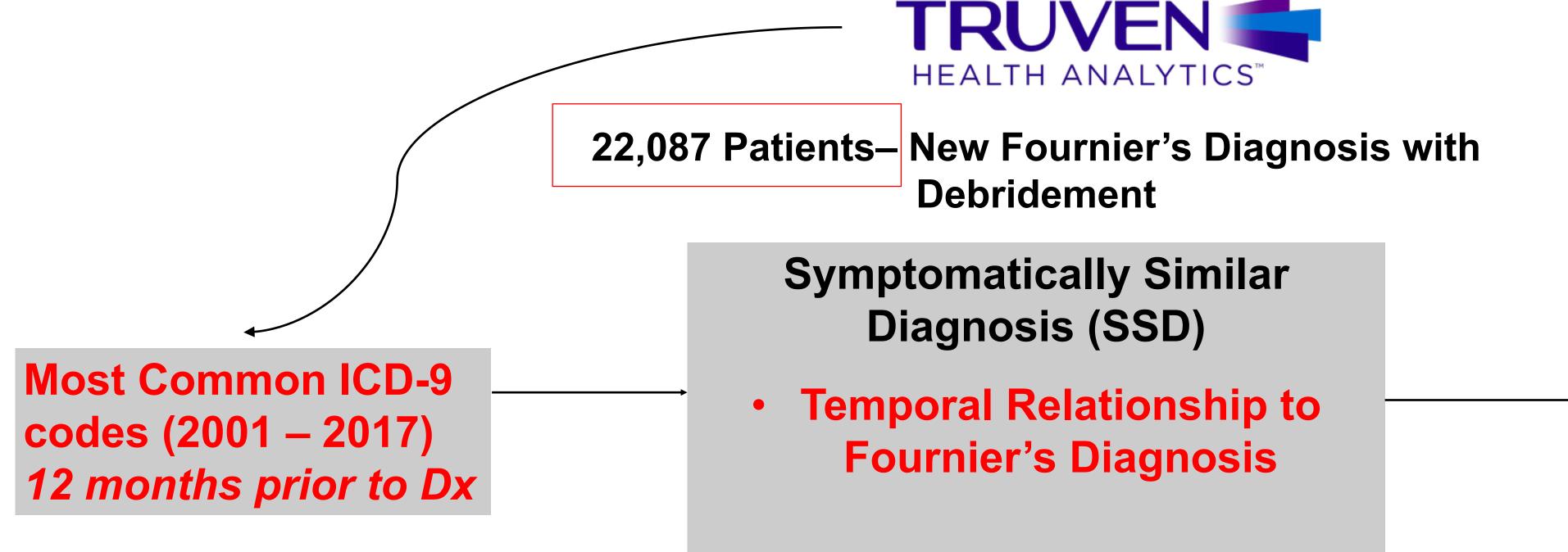
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Change Point Analysis for Candidate Diagnoses:

- 1. Low Baseline Incidence
- 2. Incidence Slope Analysis
- 3. Missed Opportunities
- 4. Diagnostic Delay

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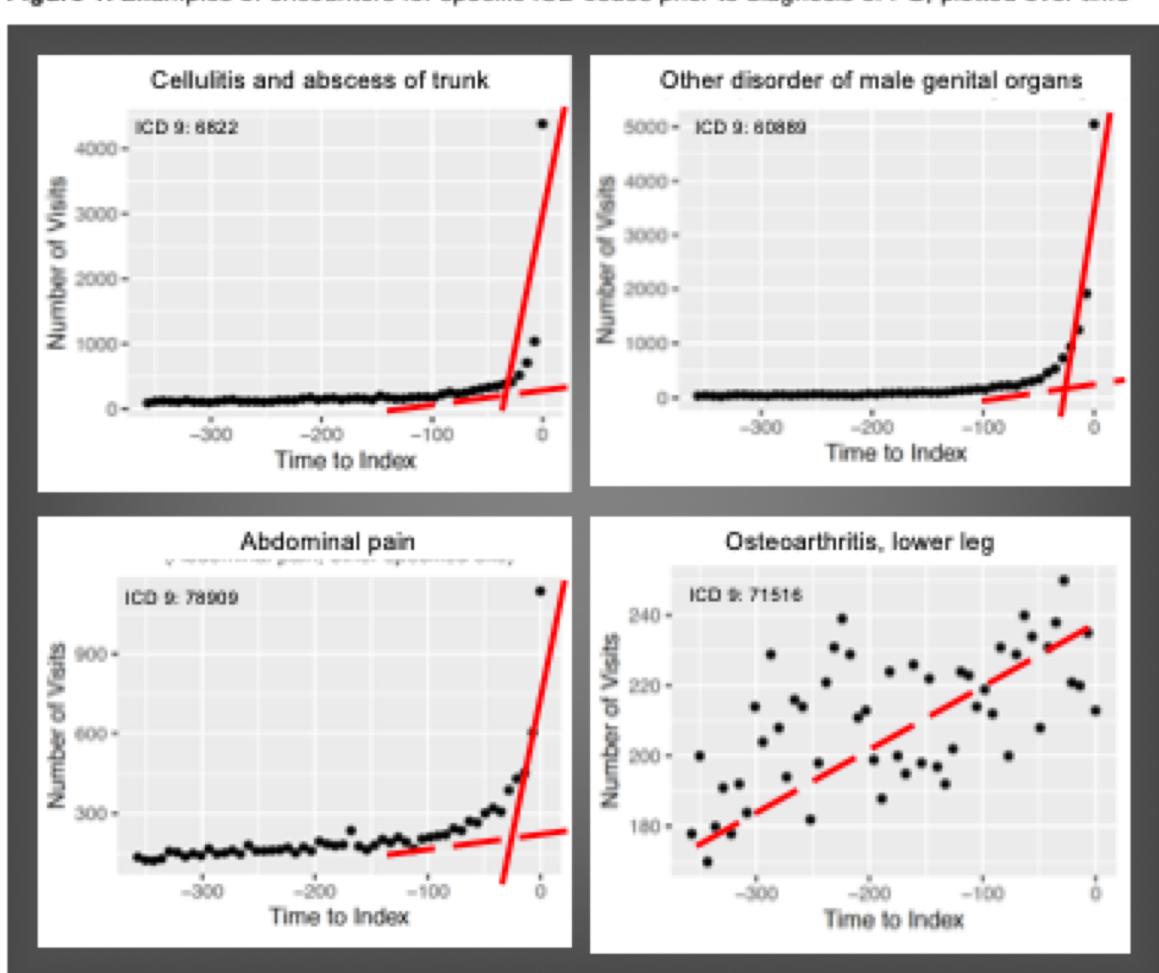
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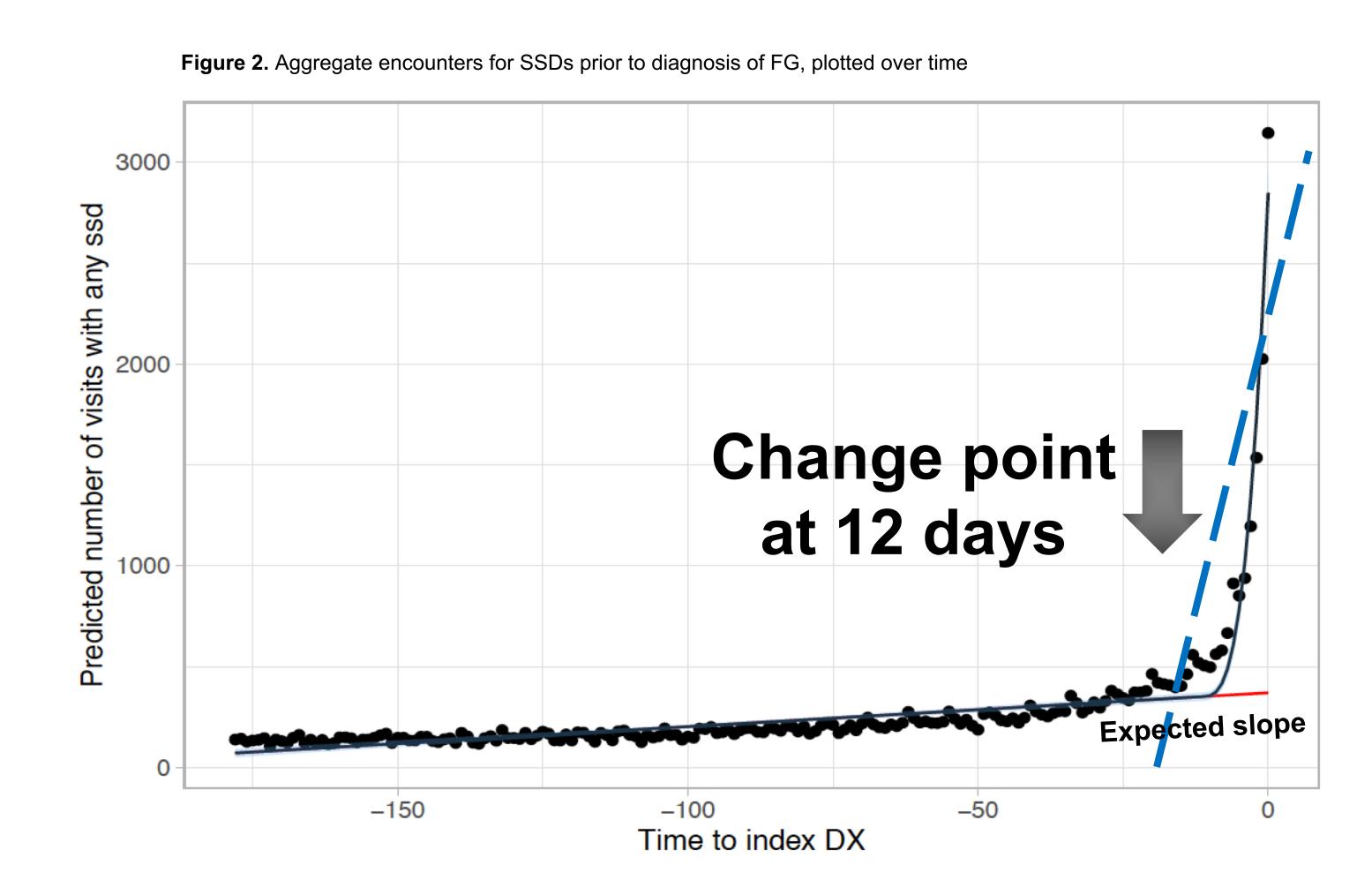
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Figure 1. Examples of encounters for specific ICD codes prior to diagnosis of FG, plotted over time



Soft Tissue Infection (%)	58.7
Genital Abnormality (%)	38.2
Abdominal Pain (%)	23.3
Missed Opportunities	1.26 (CI 1.25 - 1.89)
Diagnostic Delay	3.09 (CI 2.97 - 3.25)



Conclusions

- On average, bladder cancer symptoms appear <u>12</u> days prior to formal diagnosis
- 30% of patients had an opportunity for an earlier diagnosis (Average delay – 3 days, 1 visit)
- Future Studies: 1) Impact of delay on patient outcomes; 2)
 EMR trigger rules