

Hospital remediation efforts after a data breach are associated with deterioration in care timeliness and patient outcomes

Data sources: Dept of Health & Human Services (HHS) and Medicare Compare (2012-2016)



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Data-breach data (HHS)

Hospital quality data



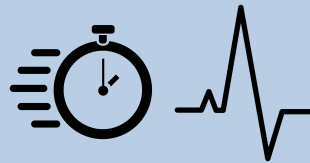
3,025 hospitals
14,297 hospital-years



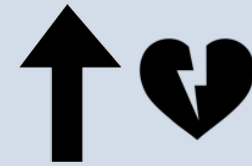
Estimated relationship between breach remediation + hospital quality



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Quality measured by 30-day MI mortality rate and time from door to EKG



MI mortality increased as much as 0.36%



Time from door to EKG increased as much as 2.7 minutes