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(54) Title: SYSTEMS AND METHODS FOR DYNAMIC INFECTION MONITORING AND TRACKING

(57) Abstract: Embodiments described herein include systems and methods for dynamic infection monitoring and tracking for healthcare facilities and healthcare systems. Some embodiments obtain information from electronic medical record systems, identify potentially related infections, identify patient contacts with healthcare workers and instrument based on contacts documents in electronic health records and based on geographic and time overlap between patients and healthcare workers. Some embodiments determine likely infection propagation paths based on the potentially related infections and patient contacts. Some embodiments generate a dynamic interactive user interface enabling a. user to view and interact with visualizations of infection monitoring and tracking results.