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CHARTSaaS, LLC, USA

Cloud healthcare appliance real-time solution as a service (CHARTSaaS)

Currently, medical mistakes are the third-leading cause of patient deaths in the United States and also a statistically significant cause globally. Given the complexity of medical practice and healthcare delivery, the rapidly increasing volume and variety of relevant information, and the limitations and deficiencies of human cognition; cognitive overload arguably is the root cause of medical mistakes. Therefore, clinical cognitive support is the required remedy for medical mistake mitigation. Because, real-time information technology (IT) is the only cost-effective modality for cognitive support and automatic process management as demonstrated for decades in most industries other than healthcare. Therefore, the author has architected an IT solution named Cloud Healthcare Appliance Real-Time Solution as a Service (CHARTSaaS)[®]. CHARTSaaS is an internet cloud software integrated development environment (IDE) intended for healthcare provider subject matter experts (SMEs) to design, develop, deploy, operate and optimize IT clinical support applications a.k.a. “apps” with minimal cost or need for IT staff or system support. SMEs simply subscribe to CHARTSaaS, login via the secure portal, and then use the administration

(apps and other digital artifacts), Analysis (Bayesian/multi-variate similarity and predictive), Connection (to EHRs and other data/logic sources), Decision (Boolean conditions and actions template), Documentation (access and management), Widget (pre-programmed logic including graphical user interfaces) and Workflow (flowchart with user swim lanes template) features to create and implement apps by using drag-and-drop, text entry, drop-down list selection and other methods not requiring IT technical training. Such apps can run continuously, notify users conditionally and thereby mitigate “failure to rescue” risk.

Speaker Biography

J Peter Melrose has retired from full-time employment in December, 2013, to develop state-of-the-art information technology (IT) tools and methods for medical practice and healthcare delivery. He is a solution-oriented healthcare IT professional and innovative leader, who achieved notable success prior to joining IBM in 2005 by conceiving and directing a broad range of private and public sector healthcare IT initiatives. He has participated in and published about many IT thought leadership and solution innovation projects; and currently he is an independent IT Consultant to healthcare providers, advocating internet cloud-based systems and services, about which he blogs at www.chartsaas.com.

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