Digital Diagrams for Patient Intake and Follow-up

enabled by

New Cloud-Computing Framework

On Slide 19 of the pitch deck, we show how a *dermatologist* would be able to replicate everything they can do with a pen and paper but on a digital device instead, such as an iPad, smartphone, laptop/desktop.

For example, using this new cloud computing infrastructure, a clinician would be able to draw markings on a diagrammatic sketch of a patient face/body to indicate where the lesions, moles, and other dermatological findings are present and to give a rendering of the size and shape of the clinical finding. These markings would then be made part of the patient's electronic health record without having to bother to scan the hard copy into the EHR.

Our cloud infrastructure makes this possible because by uniquely pairing a desktop/native front end to a cloud back end (thereby replacing the traditional web-based user interface with a native front end user interface) the physician would be able to access both context menus and dialog boxes on this digital diagram, something that would not be possible when using a web-based front end.

This novel cloud infrastructure would allow such detailed clinical diagrams to be shared electronically with pathology labs, imaging centers, as well as with the primary care referring doctor. Certainly other medical/surgical specialty areas, aside from dermatology, can likewise benefit from such digitally-based patient diagrams that replace manually-drawn diagrams.