Aventura for Speech Recognition
Solving the speech recognition dilemma with situational awareness

Business Challenge

With documentation demands in the healthcare industry growing, providers are making significant investments in speech recognition software. These solutions allow physicians to input patient information directly into EHR systems through speech rather than through manual keyboard entry. Popular speech solutions, such as Dragon Enterprise Edition, M*Modal Fluency Voice Manager, and 3M ChartScript capture data in real time while eliminating typing, spelling errors, and the time wasted by manually entering information to complete a patient chart.

Despite the advantages of these physician productivity tools, there are issues hampering the use of speech solutions on a regular basis. Technical issues involving roaming in a virtual environment hinder physicians’ ability to move from workstation to workstation.

Several significant obstacles are preventing the widespread use of speech recognition software:

- It can take almost two minutes to connect to the desktop, launch the application, and login before dictation can begin.
- Users can experience microphone connection issues that can occur during login.
- It can take even longer to log out because the application needs to save any additional learning that’s been added to the profile during the session.
- Because of the length of the logout process, physicians sometimes inadvertently terminate prior to full shut down. This typically results in the loss of their speech recognition profile, forcing the physician to train the system from scratch.

As a result of frustration with these issues, physicians often decide not to use the speech recognition solution, wasting hundreds of thousands of dollars organizations have spent on software and maintenance fees.

The Aventura Solution

Aventura for Speech Recognition uses situational awareness to provide a customized clinical computing experience with fast access to support mobile physicians. The platform intrinsically recognizes each physician by role, location, device, and patient in the room. With a single secure card tap, Aventura for Speech Recognition simultaneously authenticates the physicians and launches their desktop – including the speech application - eliminating the need for manual login reducing login time from minutes to seconds. The solution is single sign-on (SSO) capable or can easily be incorporated into an existing SSO solution. Aventura for Speech Recognition also automates and accelerates the logout process, reducing wait frustration and lessening the urge to shut down prematurely. This reduces the risk of data corruption and ensures that all learning is properly saved before the application is shut down.

Microphone connection issues are also eliminated since Aventura for Speech Recognition’s rule engine controls the specific start up sequencing to ensure proper operation.

Aventura for Speech Recognition
A workflow optimization solution that addresses common obstacles with speech recognition solutions, including profile load times, microphone connection and logoff.

Includes:

- 2 pre-integrated connectors to EHR and Speech Recognition application
- Remote install
- Rapid deployment
Benefits of the Aventura for Speech Recognition Solution
Driving more widespread adoption of dictation software leads to a number of benefits for providers:

- **Clinical Satisfaction** - Allowing doctors and nurses to be efficient without being bogged down in technology provides them with a greater sense of satisfaction. Aventura for Speech Recognition creates a huge improvement in their workflow and allows them to focus on treating the patient instead of treating the computer.

- **Revenue Cycle Optimization** – Solving the speech recognition dilemma increases efficiency and provides more accurate documentation, better compliance to Medicare, ICD-10 and insurance guidelines, and often leads to more efficient billing.

- **Real Time Documentation** – The ease of documentation entry via speech ensures that physicians enter data immediately after seeing the patient. This eliminates delays in updating patient profiles, which can be problematic if another physician sees the patient in the interim. This leads to better overall communication and higher quality care.

- **ICD-10 & Compliance** – The new healthcare environment puts an increased emphasis on regulatory requirements. More accurate documentation can help ensure that providers remain in compliance.

- **Patient Satisfaction** – Providers are now being graded and penalized based on patient satisfaction scores. Giving physicians more time to spend with patients – instead of struggling with technology - improves the quality of care given to patients.

- **IT Benefits** – Rejuvenates aging hardware, reduces maintenance time and costs, controls software licensing fees, reduces help desk calls, and improves security.

Key Benefits

- Eliminates cumbersome, time-consuming login/logout process for every location change
- Allows collaboration and device sharing through fast user switching
- Enables automatic resumption of sessions
- Works in virtualized environments with roaming and shared desktops (kiosks)
- Promotes higher physician satisfaction
- Provides real time, accurate documentation
- Improves compliance
- Increases patient satisfaction
- Optimizes revenue cycle
- Reduces demand on IT resources

About Aventura

Aventura is the leading provider of awareness computing for the healthcare industry. For decades, clinicians have had to adapt their workflow to the limitations of computers; with Aventura, computers can now adapt to how clinicians work. Through its patented technology, Aventura delivers awareness of a user’s identity and role, their location within a facility, what device they are working on and what patient they are treating. Based on this awareness, Aventura immediately delivers a virtual desktop and dynamically provisions the applications and exact screens a user needs to care for that particular patient. As a result, Aventura helps customers achieve their important initiatives in the areas of value-based care, EHR adoption and Meaningful Use requirements, PHI security, and mobility.