

DIGITAL DICTATION FAST, SECURE AND USER FRIENDLY

MedSpeech is a unique software for digital dictation. MedSpeech advantages are many: simplicity, speed and better security in combination with support for large volumes of dictations and many simultaneous users. With more than 15 000 active users, MedSpeech has quickly become the most common system for digital dictation within the Swedish health care system. The software is used in over 75 hospitals and primary care centres.

FLEXIBILITY

■ MedSpeech presents the user with two different methods of dictation. One is digital dictation with transcription, the other is Speech Recognition. Speech Recognition converts the recorded dictation directly to text, eliminating the need for manual transcription.

**DIGITAL DICTATION CONNECTED
TO HOSPITAL INFORMATION SYSTEMS**

■ MedSpeech easily integrates to any HIS, EPR or other clinical system. The MedSpeech client is launched from within the host application seamlessly, passing patient data to MedSpeech to eliminate typing information more than once. User accounts can be integrated creating a single sign on. On the server side MedSpeech can produce output data using HL7 or XML format.

HIGH SECURITY

■ MedSpeech is based on Microsoft SQL-server. The server application is developed with focus on large volumes of dictations, still maintaining a high level of security and performance. This makes the system far more secure than traditional tape-based systems or local implementations of digital dictation. With MedSpeech, regulations and legislation related to patient integrity, are met.

USER FRIENDLY

■ The easy-to-use user interface is one of the reasons for MedSpeech popularity. MedSpeech displays a clear overview of the dictations on the server. The user authoring a dictation can easily give a specific dictation a high priority to indicate how quickly it needs to be transcribed. This makes it easy for the transcriptionist to select the most urgent dictations. The user also has the possibility to make additions, or change the recording prior to the dictation being transcribed.

SPEECH RECOGNITION

■ The Speech Recognition functionality in MedSpeech is built on Philips SpeechMagic. When the user dictates, SpeechMagic directly converts the sound to text in real time. To control dictation voice commands like “next field”

and “save dictation” can be used. Every user has his own profile in the system to better adapt to each users unique way of speaking. The user automatically “teaches” the software to better understand and interpret words and pronunciations. The more MedSpeech is being used with SpeechMagic, the better the recognition gets. With SpeechMagic Speech Recognition, the world’s leading medical vocabularies come ready to use. Additional words, like places and names, can be added to the vocabularies.

SPEECH RECOGNITION BENEFITS

■ There are several benefits when Speech Recognition is used. The time it takes for information to be entered in to the HIS or EPR system is greatly reduced. As soon as the user signs the dictation it is sent in to the system, eliminating delays. The user is never forced to use Speech Recognition. Digital dictation with transcription can always be selected based on user preferences. In large installations with many users, different users can use different methods.

EASY ADMINISTRATION OF AUTHORISATION

■ The MedSpeech administrator registers the users and applies authorisation. Each user can have a unique authorisation to access different dictations. A transcriptionist might be authorised to open and read dictations from several clinics, while a doctor may only be authorised to listen to dictations made in his/her own clinic. As an alternative all users can be configured with full access to all dictations. The advantage of several clinics or hospitals using the same centralised dictation system, is the possibility to manage the workload across a number of transcriptionists.

WORKS IN ALL ENVIRONMENTS

■ MedSpeech supports Microsoft Windows, Microsoft Terminal Server and Citrix.