

Medical Speech Recognition Software – fully integrated with hospital information systems

GlobalSpeech is an information capturing platform which enables healthcare IT system providers to deliver seamlessly integrated digital dictation and speech recognition capabilities to hospitals, clinics, transcription companies and group practices.

Because we understand how much your work and patient safety depend on accurate information, we always strive to find ways to facilitate every type of reporting use case. GlobalSpeech incorporates various modules, all of which reflect our sole motivation and goal: providing you with professional speech recognition technology that speeds up your medical reporting while offering high flexibility to customise it to your individual needs.

Proven

Deployed at more than 8,000 sites worldwide.

Platform

Globalspeech is seamlessly integrated into information systems (IS) or reporting solutions, enabling the enduser to efficiently capture information within their familiar working environment.

Wide range of applications

Globalspeech records the information from human speech, the text is automatically processed, formatted and then structured into medical reports or findings - even for small medical practices, hospitals or large hospital groups..

Flexible workflows

Globalspeech allows the user to choose their preferred and most efficient workflow to capture medical information — switch between frontend and backend recognition when required or use both.

Across the World

Globalspeech supports the largest language portfolio in the medical industry with 15 recognition languages: English, German, French, Spanish, Catalan, Swedish, Danish, Dutch, Portuguese, Finnish, Flemish, Italian, Hungarian, Slovenian, Greek.



powered by

Globalspeech

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Increased transcription productivity

Reading and editing text drafts delivered by backend speech recognition is significantly faster than transcribing recorded dictations. Productivity gains in transcription departments range up to 70%.

GlobalSpeech captures dictated information and automatically generates formatted and structured medical information — whether for a small practice, a large hospital, or a group of hospitals.

Save money: Hospital-wide speech recognition has been described as “the most profitable iT project ever”. Globalspeech allows Vejle hospital in Denmark to treat 7% more patients; it saves Oslo University Hospital 900,000 EUR a year.

SYSTEM REQUIREMENTS

Operating System

The following operating systems are supported (having the latest updates installed):

- Microsoft Windows Server 2008/2012,
- Microsoft Windows 7, 8 or 8.1

Database environment

Globalspeech requires/supports on server side one of the following database systems:

- Microsoft SQL Server 2005, or 2008 (Express Edition)
- Oracle version 9 or 10

Text editors

For online recognition we recommend using one of the following word processing components:

Microsoft Office 2007 or 2010

Microsoft Word 2007 or 2010

Microsoft Word 2003, with rich formatting

Microsoft Word 2007 (not recommended)

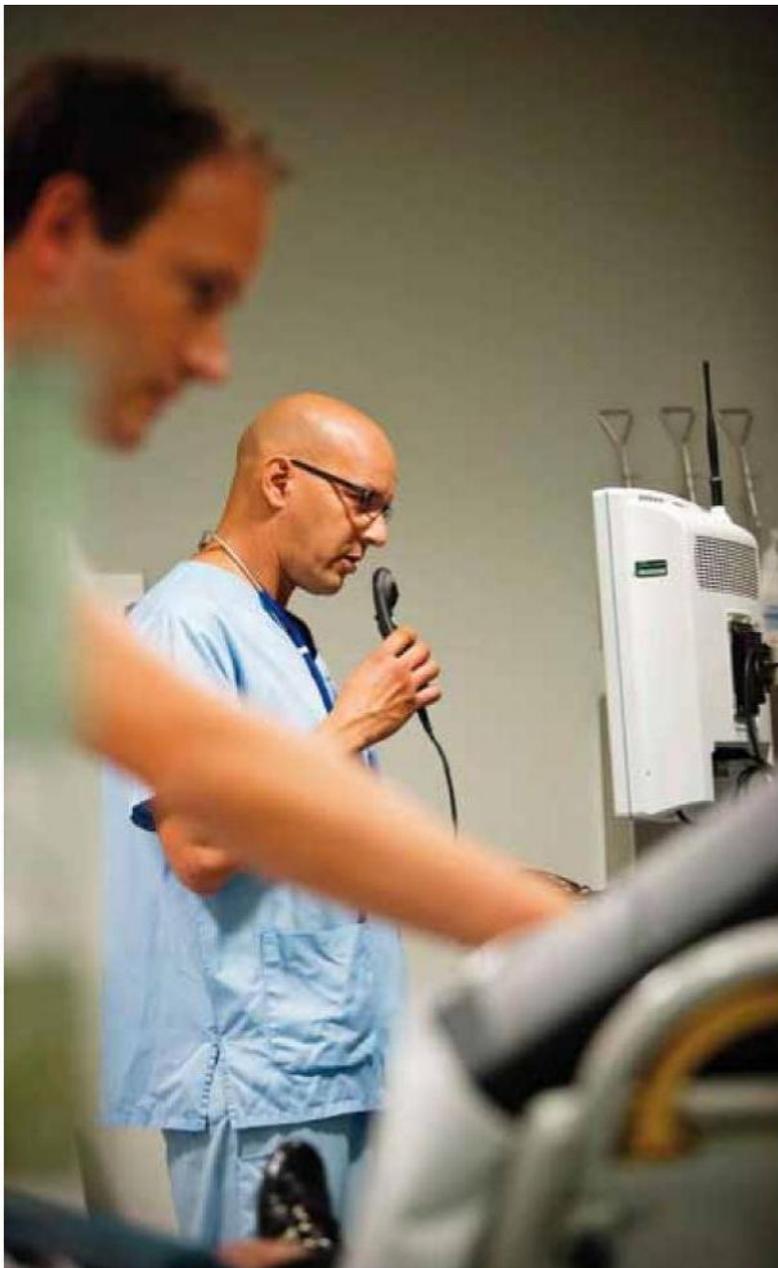
Microsoft Word 2003 (not recommended)

Microsoft Word 2007, or acoustic

Microsoft Word 2007 or 2010 (not recommended)

Microsoft Word 2003

Microsoft Word 2007 or 2010 (not recommended)
Microsoft Word 2003, with rich formatting, backend recognition.



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Globalspeech workflows

Globalspeech supports a variety of reporting schemes, allowing you to choose the most preferred document creation solution by the doctors.

Backend speech recognition. You dictate directly to your PC, or you can use a mobile digital voice recorder. The speech recognition proceeds from the recorded soundfile on the server, as a background process. After recognizing, the system sends the text and the recorded sound for correction, which can be performed on any workstation by you or a corrector.

Online speech recognition with deferred recognition. You can see the recognized text on your screen, as you dictate, realtime. After finishing the dictation you, or an administrator can correct the text.

Online speech recognition with correction. Creating the medical report is completely under the control of the doctor, as the entire speech recognition and correction process takes place on his or her machine.

„The recognized text is the final report, because the Globalspeech system is so accurate. More than half of the reports need no correction at all, it's got it word-perfect. I'll press authorize and the report is gone - totally finished. I never have to revisit it again.”

*Melanie Hiorns
Consultant Radiologist and Chair of Radiology Great Ormond Street
Hospital for Children NHS Trust (GOSH) London*

Intelligent Speech Interpretation

Globalspeech developed intelligent Speech interpretation (iSi) technology and allows the understanding of natural language, thus reducing the correction effort for both the transcriptionists and the physicians who look after the reporting process themselves.

It leaves out the 'um's and 'eh's, ignores dialogue that is not part of the dictation, implements corrections that are dictated as part of the text, fills the information into forms, and even rephrases sentences.

Globalspeech formats and organises text, for example adding section headings, numbering lists and inserting standard blocks of content.

In fact, Globalspeech emulates the capabilities of a good medical transcriptionist in order to generate usable reports with a minimum of human intervention..



High priority: Globalspeech is made for a wide range of healthcare speech recognition

Accuracy: Our medical recognition dictionary (context) covers most of the terminology used in health care..**In case of a radiology context minimum 95% recognition rate can be guaranteed!**

Immediate and continuous adaptation: Globalspeech automatically and continuously adapts to the way you dictate based on your final reports..

Flexible You can change the way of working anytime. Decide whether you want to have the recognition done in the background (backend), want to see the recognised text immediately and directly edit it yourself (frontend) or, after dictating, send the dictation to a transcriptionist (deferred frontend).

Medical formatting Globalspeech transcribes dosages, measurements, etc. into a standardized format; Globalspeech ensures full compliance to medical standards..

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Profitable Speech recognition implementations are described as very profitable IT projects, allowing an increase in productivity by speeding up turnaround time and allowing the reallocation of the budget money saved.

Scalable With a network-based, distributed architecture, central, low-effort administration and maintenance, Globalspeech scales up to more than 100 users at one site.

Safe Globalspeech ensures fail safety and data integrity for reliable, robust and secure system operation.

Central Globalspeech allows efficient, central system administration and supports client/server-based architecture, ensuring that authors are not restricted to one workstation. Vocabularies can be shared between authors and cost-effectively administered centrally.



BELUX GROUP LTD.

BELUX Group Ltd. as a strategic partner of NUANCE offers a complete, reliable and high-quality solution for medical reporting, and the associated services.

The creation of the NEW LANGUAGE context starts with collection of 100 million-words (almost 600.000 medical reports) from all hospital departments, covering the whole area of medical fields.

PLEASE CONTACT US!

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