Deltapath® Acute ™

Changing the Way Patients, Healthcare Institutions, and Healthcare Professionals Interact so Everyone Benefits

The aging population is increasing around the world. In fact, it's at its highest numbers in human history. Now include the fact that hospitals must always be ready to respond to disasters like earthquakes or hurricanes, and to the needs of the rest of its local population. It immediately becomes clear that the demands on healthcare institutions and healthcare professionals will steadily increase. This increase in demand, however, poses an immediate threat to the stability of healthcare everywhere.

Significant changes are needed and new plans endorsed to ensure sustainability of the healthcare industry's mission to save lives by ensuring the health and well-being of everyone in its care.

Deltapath's Acute application ensures healthcare institutions continue to deliver on their mission, increases operational efficiency, improves patients' quality of care, and positively impacts job satisfaction for healthcare professionals. Acute integrates with nurse call systems and other medical systems* and leverages technology and mobile phones to create the hospital of the future that can scale to cope with the aging population, routine patient care, and unexpected critical events.

Nurse call systems are the communication link between patients and healthcare professionals. The systems are used in many places, including hospitals, nursing homes, and assisted-living facilities.   Nurse call systems are typically located in patients' rooms for easy access.

*Integration with a nurse call system or other medical systems is required.

Minimize Stress and Exhaustion for Healthcare Professionals

Decrease Methodical Inefficiencies

Many healthcare workers suffer from high stress and exhaustion caused by many things, from the busy environment they work to long shifts.

Acute aims to improve workflow by reducing the series of steps it takes for healthcare professionals to assist patients. Fewer steps mean less wasted energy for healthcare staff, more quality time with patients, and even time for staff to focus on themselves.

Running On Empty?

With the patient's location displayed in Acute when a nurse call button is pressed, healthcare professionals can choose to respond to a call based on their proximity to the patient. When a healthcare professional closest to the patient responds, response time and quality of care improve. In addition, the amount of running around healthcare professionals do during their shifts can also be reduced. Less running around can help prevent physical exhaustion, leading to impaired thinking and medical errors.

Consolidation of Critical Patient Information

Don't settle for phones that leave healthcare professionals in the dark because they only send limited information when a patient presses a nurse call button. With Acute, healthcare professionals receive notifications directly on their mobile phones that contain the patient's medical records and the patient's current request anytime a nurse call button is pressed.

Acute offers healthcare institutions a better way to use patients' medical records and for patients to communicate with healthcare professionals. With real-time patient requests, critical information, and patient medical records delivered on Acute, healthcare professionals can improve a patients' quality of care by accurately assessing and responding to every patient's needs faster while eliminating medical errors.

Provide Patients with an Increased Sense of Security

Positive and trusting *healthcare professional-patient relationships* are therapeutic to patients and essential for effective care. Acute fosters these relationships through communication.

Each time a patient presses a nurse call button, a call is placed to a predefined group of healthcare professionals. A healthcare professional speaking directly to a patient achieves many goals:

• The patient's needs are established

• Instructions are delivered immediately to the patient

• The patient is aware that someone is on the way to help

• Therapeutic and supportive words can be offered to the patient

# Unlock a New Level of Communication Between Healthcare Professionals

Team collaboration is essential for providing excellent patient care and saving lives. Acute facilitates the creation of a coordinated system of care by providing communication solutions that keep healthcare professionals in touch with each other while still caring for patients. All communication solutions are fast, secure, and flexible, allowing healthcare professionals to adapt to any situation and environment.


Call other healthcare professionals in your facility and engage in a collaborative conversation or extend communication with video calling.
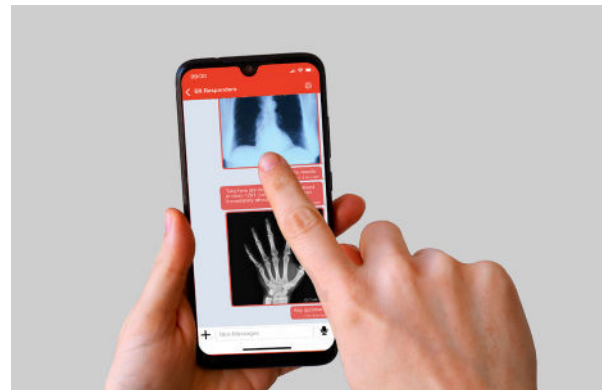

When words are not enough to explain a situation or patient confidentiality is an issue, silently communicate with other healthcare professionals through instant messaging. Add images, videos, and files to enhance communication and comprehension.
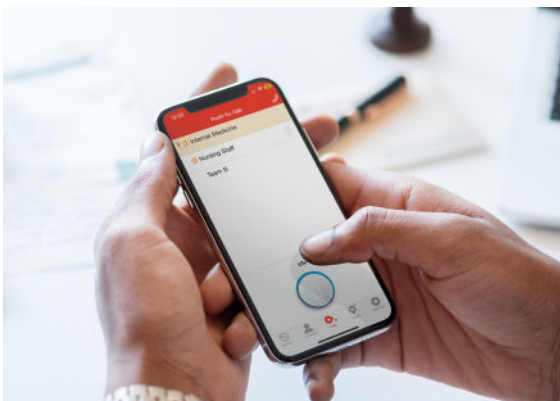

Use Push-to-Talk to engage in instantaneous voice communication with a group of healthcare professionals when a situation demands immediate attention and collaboration.
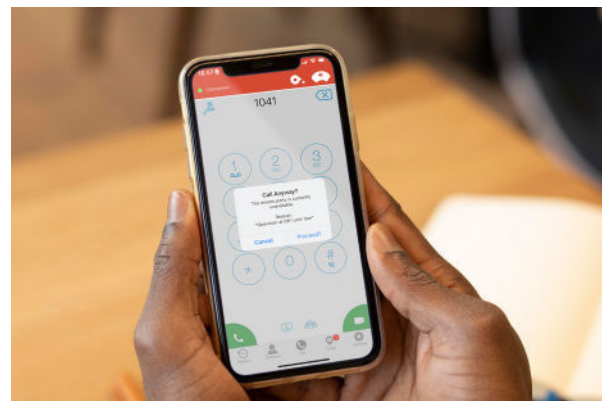
With Presence, healthcare professionals can let callers know their availability with detailed precision, creating a culture of accountability and responsibility among team members and healthcare institutions.
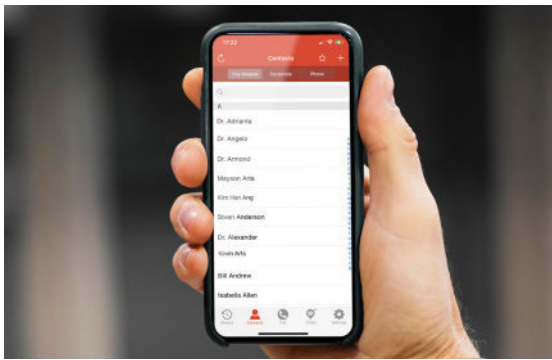
Easily access staff numbers using the phonebook feature in Deltapath Acute. Once you search or browse through the contacts, decide if you want to connect over a call or use the chat shortcut icon to communicate.
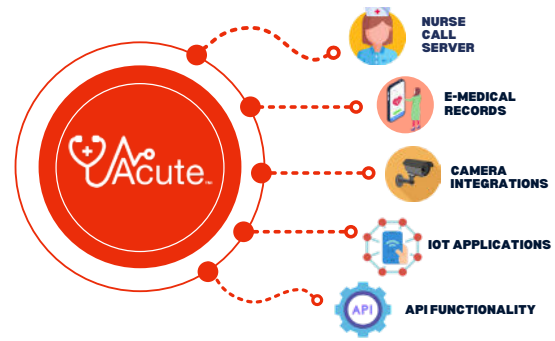
Integrate other solutions with Deltapath Acute, including Nurse Call Servers, Electronic Medical Records, Camera integrations, IoT applications, and more, using Deltapath's wide range of communication protocols, including API and URI functionality.

Call History is a comprehensive record of all the calls you've made, answered, or missed and all push-to-talk alarm and incident history. View who the outgoing and incoming calls were with and quickly reconnect over chat or a phone call using the shortcut icons in the information section or view the alarm code and ID along with other information for each push-to-talk incident.

Deltapath Acute Implementations

Deltapath has implemented its Deltapath Acute solution in numerous healthcare facilities, from large hospitals to small nursing homes. Below is a snapshot of some of Deltapath's work.

Social Medical Corporation Zenjinkai Kurashiki Heisei Hospital

With the replacement of the nurse call system, the conventional PHS was replaced by smartphones. By also linking with the existing PBX, Deltapath improved communication efficiency within the hospital. This project eventually expanded to the rehabilitation facility next door.

- Deltapath UC platform (redundant)
- Deltapath Acute
- Nurse call cooperation
- Instant message
- Push-to-talk (income)
- 100+ Android devices

Private Nursing Home in Tokyo

- Number of Beds: 100
- Number of Users: 40 Users
- Number of Smartphones: 30 (iOS)
- Integrated Nurse Call Server: Carecom NICSS-R8
- Integrated Systems: Toppan SensingWave Bed Sensors, Electronic Medical Record System
- Communication Features: Push-To-Talk, Instant Messaging, Presence, Voice Call, Video Call
- Network type: WiFi & LTE

National University Hospital

- Number of Beds: 780
- Number of Users: 2500 Users
- Number of Smartphones: 2000+ (Android)
- Integrated Nurse Call Server: Carecom NICSS-R8
- Integrated PBX: NEC SV9300
- Integrated Systems: Panic Value Alert System, Electronic Medical Record System
- Communication Features: Push-To-Talk, Instant Messaging, Presence, Voice Call, Video Call
- Network type: WiFi

Datasheet for Deltapath Acute

Android Requirements	
OS Version	Android v4.4 or higher (v6.0 or higher recommended)
Device Specification Requirements	RAM 2GB or more, no limitations to smartphone make or model. Tablets are not supported
Network	LAN, WAN, 3G, 4G, 5G LTE, private LTE, sXGP available
Supported Languages	ENGLISH, JAPANESE

iOS Requirements	
OS Version	iOS v9.0 or higher, iPad OS v9.0 or higher, macOS v11.0 (Apple M1 Required)
Device Specification Requirements	iPhone 5S, iPhone 6 Series, iPhone 7 Series , iPhone 8 Series , iPhone X Series , iPhone 11 Series , iPhone 12 Series , iPhone 13 Series , iPhone SE (GEN1) iPad (Air, Mini, Pro)
Network	LAN, WAN, 3G, 4G, 5G LTE, private LTE, sXGP available **APNS (Apple Push Notification Server) access required**
Supported Languages	ENGLISH, JAPANESE

Call Features and Specifications	
Call Functions	Extension line, external line, nurse call, call hold, call transfer, call pickup, line transfer, voice conference, three-way call, call pulling, etc
Codec	G.711U(default), G.711A, G.722HD, G.729A, H.264, iLBC, etc
Call Rate	256 kbps, 384 kbps(default), 512 kbps, 768 kbps, 1152 kbps
Bandwidth	Industry standard
Security	Calls Between Acute users are encrypted
Protocols	SIP over TLS and SRTP

Call History Features and Specifications

Maximum Display Count	200 Records
Call Function	Audio and video calls
Call Types Displayed	Outgoing calls, Incoming calls, Missed call
Display Information	Name, Phone Number/Extension Number, Date, Time

Chat Features and Specifications

1x1 Chat	Supported	**Audio Clip Recording**	Supported
Group Chat	Supported	**Chat Forward / Reply / Share**	Supported
Group Number Limitation	None	**Chat Number Limitation**	None
File Sharing	Supported	**Chat Group Number Limitation**	None
File Size Limitation	Managed by Administrator	**Chat Storage Period Limit**	None

Phonebook Features and Specifications

Deltapath Phonebook	Deltapath UC Native Phonebook
Corporate (LDAP) Phonebook	LDAP Linked phonebook (Active Directory, etc)
Phone Phonebook	Device's native phonebook
Phonebook Information Automatic Update Function	Supported

Push-To-Talk Features and Specifications

Group Limit	The number of group licenses purchased for Deltapath UC servers ** Maximum number of members per group: 200 users or less recommended		
Hands-free Compatible	Wired and Bluetooth enabled headsets (operation varies by OS, see below) iOS device operation: ⏸ Android device operation: ⊕⊖		
Bandwidth	**Per active user 0.4Mbps**		
	50 User	20 Mbps	200 User 80 Mbps
	100 User	40 Mbps	500 User 200 Mbps

API	
Healthcare Alert API	Alert notification, URL direct display, Alert message
Chat API	Chat support for 1x1 and groups
Call API	Make calls using the call API
Others	Please inquire about other supported APIs

	Linkable Nurse Call Servers
CARECOM **Carecom Supported Models**	PLAIMH NICSS, NICSS-EX Series, NICSS-R Series, CICSS-EX Series, CICSS-R Series (Not All Models Are Available Internationally Outside of Japan)
AIPHONE **Aiphone Supported Models**	Vi-Nurse (NLX Model)

About Deltapath

Deltapath liberates organizations from the barriers that prevent effective communication and revolutionizes the way organizations communicate through innovative technologies that meet the needs and the wants of organizations.

We specialize in solutions that unite different communication platforms, audio and video equipment, telephones, desktops, and mobile devices to make communication accessible and intuitive.

It is our belief that every solution should embody simplicity and offer users the right form of communication for the right occasion, right at their fingertips.

Deltapath

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Ordering Information

For more information about Deltapath Acute,
please contact your nearest Deltapath sales representative.