Continua Health Alliance: The Next Generation of Personal Telehealth is Here

A non-profit, open industry alliance of the finest healthcare and technology companies in the world joining together in collaboration to improve the quality of personal healthcare.
The Continua Health Alliance

“Our Mission is to establish an eco-system of interoperable personal health systems that empower people & organizations to better manage their health and wellness”
The Continua Health Alliance will enable a personal health eco-system that empowers individuals & families to better manage their own health and wellness across the continuum of life and care methods.
Contributors

- Alere
- Allion Test Labs, Inc.
- All Medicus Co., Ltd.
- American Heart Association
- Analog Devices
- Andago Ingenieria s.l.
- AppsHub, Inc.
- AT4 Wireless
- AT&T Mobility
- AViTA
- BiancaMed
- BIOSPACE Co., Ltd.
- Bluegiga Technologies Oy
- Boston Scientific
- Cambridge Consultants Ltd.
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- Card Guard AG
- Cardiff University
- Cardiomedix Inc.
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- Centre for Global eHealth Innovation
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- Chiptech Limited
- Christus Health
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- Claricode, Inc.
- Computerized Screening, Inc.
- ConnectBlue AB
- Continuity Health
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- Dell
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- Dovetail Health
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- Empirica GmbH
- Ericsson Nikola Tesla d.d.
- ETRI
- EuroTech, Inc.
- Fairbanks Scales
- FitLinxx
- Foundation for Research and Technology
- France Telecom R&D, LLC
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- Frontline Test Equipment
- Fujitsu Limited
- Fullpower Technologies
- GC Healthcare Corp.
- GenerationOne, Inc.
- GlaxoSmithKline
- Google Inc.
- Hitachi, Ltd.
- Home Guardian, LLC
- Honeywell HomMed LLC
- Hosiden Corporation
- Industrial Technology Research Institute
- Infineon Technologies
- INFORSON Co., Ltd.
- Innomed Medical Zrt.
- In Practice Systems Limited
- Institute for Infocomm Research
- Institute of Biomedical
- InterComponentWare, Inc.
- KDDI
- Konami Sports and Life
- Lamprey Networks, Inc.
- LAXTHA Inc.
- LG CNS
- LG Electronics Inc.
- LifeGate, Inc.
- Lifescan
- Logic
- LS Research, LLC
- MEDCEL
- MedHelp International
- Medixine Oy
- MedSignals
- MedTech Systems Inc.
- Microlife Corporation
- Midmark Corporation
- Misys Healthcare Systems
- Monitray, LLC
- Motorola
- MIR - Medical International Research
- Murata Manufacturing Co., Ltd.
- Neusoft Medical Systems
- Nippon Telegraph and Telephone Corporation
- Nitto Denko Corporation
- Novo Nordisk
- Nuubo (Smart Solutions Tech)
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- Oregon Scientific Inc.
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- Pfizer
- Precor Fitness
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- Ryoyo Electro Corporation
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- Shimmer Research
- SHL Telemedicine
- Shorewood Packaging
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- Southern Nevada Wellness
- Stichting IMEC - Nederland
- Stollmann E+V GmbH
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- Telecom Italia SpA
- Telefonica S.A.
- Telehealth Solutions Ltd.
- Telus Communications Company
- Terumo Corporation
- Textronics Inc.
- The Scottish Centre for Telehealth
- Toshiba Home Appliances Corporation
- Toumaz Technology Limited
- Triage Wireless Inc.
- TSB suolucines
- Tyco Electronics
- Tynetec Ltd
- UnitedHealth Group
- University of Miami - Miller School of Medicine
- Verizon
- VivoMetrics, Inc.
- VTT Technical Research Centre of Finland
- Westchester Institute for Human Development
- Whole Health Management
- Zarlink Semiconductor
- Zensys
Activities (> 1,400 Participants!) - 1

- **Personal health standards development**
  - *Architecture*: defines overall technical framework
  - *Use cases*: define typical application scenario’s
  - *Interoperability standards*: specify how devices can work seamlessly together in the applications - through defined suites of base standards from various sources

- **Reference software creation**
  - Shared development effort: members can swiftly and cost-effectively create Continua compliant products
  - Helps to deliver on the interoperability promise

- **Market intelligence, collaboration and training**
  - Community, sharing pre-competitive efforts
Activities (> 1,400 Participants!) - 2

- **Testing and Certification**
  - Enables suppliers to verify correct implementation against a golden reference
  - Helps to deliver on the interoperability promise

- **Marketing and Logo**
  - Logo testifies that a product is Continua-interoperable
  - Furthers the Continua goals through promotion

- **Improving personal health prosperity conditions**
  - Help reduce institutional personal health barriers: National care system structures, Financial incentives, Responsibilities, Liability issues, Corporate employee health programs, Regulatory convergence, ...
Working Group Structure

- Board Of Directors
- VTM Administration
- Use Case WG
- Technical WG
- Test & Certification WG
- Employer HR Benefits WG
- Marketing WG
- Regulatory WG
- Policy Strategy WG
- Sub-Committees
- PR & Marketing Agency
- Australia Policy WG
- EU Policy WG
- Japan Policy WG
- Latin America Policy WG
- U.S. Policy WG
- U.S. Payer WG

Over 1,400 Participants!
Worldwide today:
- 1 billion adults overweight
- 860 million chronic disease patients
- 600 million elders age 60 or older
- 75-85% of healthcare spending is on chronic disease management

Source: World Health Organization; McKinsey
Personal healthcare key categories

- **Health and Wellness**  1,000M adults overweight
  - “Worried well” vital sign monitoring:
    - Weight, Blood pressure, Glucose, Cholesterol, Activity
  - Future:
    - Extension of healthcare system into the home
    - Initial triage of non-emergency conditions (Vital signs; Images; Email / chat / video)

- **Disease Management**  860M chronic disease patients
  - Vital sign monitoring (remote patient monitoring)

- **Aging Independently**  600M elderly individuals
  - Basic life monitoring as appropriate (ADL):
    - Bed pressure (sleep), Bathroom sensor, Gas / water sensor, Emergency sensor
Version One Healthcare Record Standards

**Disease Management Service Provider**
- Disease management nurse or home care nurse

**Home-based Remote Patient Monitoring (RPM) System**
- Remote Patient Monitoring (RPM) Server

**Patient**

**Vital Sign Devices**

**Continua xHR Interface**
(Data, Message, Security)

**Healthcare Provider**
- Electronic Health Record System
- Labs

**EHR**
Version One Healthcare Record Standards

Continua xHR Interface
(Data, Message, Security)

Disease Management Service Provider
Disease management nurse or home care nurse

Remote Patient Monitoring (RPM) Server

Healthcare Provider
Electronic Health Record System

Labs

EHR

Digital Home
Cell Phone
PC

Personal Health System
Fitness Equipment
Home Automation and Control
Vital Sign Devices
Medication Tracking
Blood-pressure Cuff
Implant
Pulse Ox
Pedometer

Home-based Remote Patient Monitoring (RPM)
Tokyo Symposium 2009 Demonstrated Products
Future of Integrated Care Symposium

- **When:** Mar. 25, 2009
- **Where:** Hotel Arts, Barcelona, Spain
- **Description**
  - Attendees include health professionals, researchers, entrepreneurs, policy makers, health ministries and commission members
  - Prepare for the next step towards personalized care organizations
  - Goals are to share key deployments of personal telehealth across E.U. and the world, we will look at the new models being created, and discuss the intersection of healthcare, the Internet, telecommunications and the next frontier in biotechnology research

**Registration will open soon! Visit:**


for more information and to register
Building Awareness Around the World…

Continua sponsored public symposiums and member summits

2009: Tokyo, Barcelona, Vancouver B.C., Boston
Thank you!