

Virtual Health for Military Families

0800-0900

26 March 2020



Presenters



Steven M. Cain, P.A.-C., M.P.A.S

Advisor DHA Virtual Health (VH) Clinical Integration Office

Robert Cornfeld, M.D.

LTC, MC, USA

Medical Director, Virtual Medical Center - Europe

Steven M. Cain, P.A.-C., M.P.A.S



Mr. Steven Cain is a certified physician assistant (P.A.-C.) serving as an advisor to the Connected Health Branch in DHA. Connected Health falls within the Clinical Support Division of Medical Affairs. Mr. Cain is a subject matter expert writing DHA Telehealth (TH) guidance, functional requirements development, telehealth competencies, consultation and enterprise TH planning for the DoD's 9+ million healthcare beneficiaries. Prior to serving at DHA, Mr. Cain served as the Deputy Director of Virtual Health for the Army's Regional Health Command, Europe with a focus on developing novel medical and surgical sub-specialty virtual health programs. His efforts resulted in some of the first In-Home virtual health appointments by specialty care groups in the Military Health System. Mr. Cain has authored and co-authored a number of articles on Telehealth. Mr. Cain is a graduate of the U.S. Air Force PA Program (1992) through the University of Nebraska and later (2001) received his Masters of Physician Assistant Studies also from the University of Nebraska. Mr. Cain has been a continuously practicing PA for 27 years in varied disciplines including family medicine, general surgery and urology and currently practices at Dover Air Force Base Readiness Clinic.

LTC Robert Cornfeld, M.D.



Lieutenant Colonel Robert Cornfeld is an Army Physician with 16 years of experience as a General Pediatrician and 12 years of experience as a Pediatric Gastroenterologist. He holds a Medical Degree from the Uniformed Services University School of Medicine; a Graduate Certificate in Human Resource Development from the George Washington University School of Education & Human Development; and a Bachelor's degree in History and Biology from Oberlin College. He currently is the Medical Director for the Virtual Medical Center-Europe at Landstuhl Regional Medical Center. Prior assignments include Chief, Department of Pediatrics, Landstuhl Regional Medical Center, Landstuhl Germany; Brigade Surgeon, 18th Military Police Brigade, Grafenwoehr Germany; Chief, Pediatric Gastroenterology, Madigan Army Medical Center, Tacoma Washington; Battalion Surgeon, 2nd Battalion 1st Infantry Regiment, DPC-A Afghanistan; Pediatric Gastroenterology Fellow, Walter Reed Army Medical Center, Washington DC; Staff Pediatrician, Heidelberg Germany; and Pediatric Resident, Madigan Army Medical Center, Tacoma Washington.

LTC Cornfeld is a graduate of the Command and General Staff College, Army Medical Department (AMEDD) Executive Skills Leadership Development Course, AMEDD Officer Advanced Course, and the AMEDD Officer Basic Course.

Prior to his military service, LTC Cornfeld served as a U.S. Peace Corps Volunteer in Sangwali, Namibia; Executive Secretary to the Vice President of MetLife Inc, New York, NY; and an Americorps Volunteer with Habitat for Humanity in Raleigh, North Carolina.

LTC Cornfeld's military awards include Army Meritorious Service Medals, Army Commendation Medals, Army Superior Unit Award, National Defense Service Medal, Global War on Terrorism Service Medal, Army Service Ribbon, and the Parachutist Badge. He was selected as the USU School of Medicine Outstanding Student in Pediatrics and as a member of Alpha Omega Alpha, the national medical honor society. LTC Cornfeld has been selected as a plenary, podium, and session speaker at multiple national and international symposiums.

- LTC Cornfeld and Mr. Cain have no relevant financial or non-financial relationships to disclose relating to the content of this activity.
- The views expressed in this presentation are those of the authors and do not necessarily reflect the official policy or position of the Department of Defense, nor the U.S. Government.
- This continuing education activity is managed and accredited by the Defense Health Agency, J-7, Continuing Education Program Office (DHA, J-7, CEPO). DHA, J-7, CEPO as well as all accrediting organizations do not support or endorse any product or service mentioned in this activity.
- DHA, J-7, CEPO, activity planners and reviewers have no relevant financial interest to disclose.
- Commercial support was not received for this activity.

Learning Objectives



At the conclusion of this knowledge-based activity, participants will be able to:

1. Identify the ways the MHS unifies Virtual Health Capabilities through Implementation of Functional Capability #39.
2. Review the internal and external demand signals driving implementation of Virtual Health.
3. Articulate VH use cases in both Adult and Pediatric Primary and Specialty Care.

Polling Questions – Let's get to know you



Please tell us your role in the MHS?

- A. Privileged Provider Type I/II
- B. Clinic Care Team: Nurse, Medic, Licensed practical nurse (LPN), Practice manager, Clinic Support
- C. Hospital of Clinic Management
- D. Regional or Head Quarters (HQ) Administration

Please indicate your Virtual Health Experience?

- A. Telephone
- B. Email direct to patient and/or Short Message Service (SMS) / Relay Health
- C. Video visits with patients
- D. All of the Above

What are the most important digital tools the MHS needs in order to support Families and Children's health?

- A. Video Visits to the Patients Location (Home, Office, or Remote and Operational)
- B. Video Visits between Medical Specialists and Outlying Primary Care Clinics
- C. Asynchronous Consultation between providers
- D. Improved and secure SMS between patients and providers
- E. All of the Above

Definition of Virtual Health



- ‘Virtual Health’ is the use of telecommunications and information technologies to provide health assessment, treatment, diagnosis, intervention, consultation, supervision, education, and information across distances.
- In the MHS, the terms “telehealth”, “telemedicine”, and “virtual medicine” are equivalent to “virtual health” and are used interchangeably.

Unified VH Terms

researched by Connected Health (CH) Clearing House



MHS TECHNOLOGY GLOSSARY

DHA CONNECTED HEALTH

JANUARY 2019

Introduction

House Report 115-219, pages 287-289, to accompany H.R. 3219, the Department of Defense Appropriations Bill, 2018 directs the Assistant Secretary of Defense (Health Affairs) to provide a strategy for delivering tele-behavioral health services to service members. Part of this strategy is a phased stakeholder communication campaign that will provide clinicians and beneficiaries with standardized terms for discussing tele-behavioral health. Toward this end, the Defense Health Agency (DHA) Connected Health Clearinghouse received a request from DHA Communications to conduct research and analysis to inform the eventual development of a Military Health System (MHS) Technology Glossary.

The MHS provides health care for service members and their families in over 600 medical clinics across 50 military hospitals worldwide.¹ For a health care organization of this size, shared language is especially important. However, various terms, such as “virtual health,” “virtual medicine,” “telehealth,” and “telemedicine,” are being used interchangeably.² The lack of standardized nomenclature results in significant confusion for patients, providers, researchers and policy makers, and impacts implementation, utilization, and deeper comprehension within the health care field.³

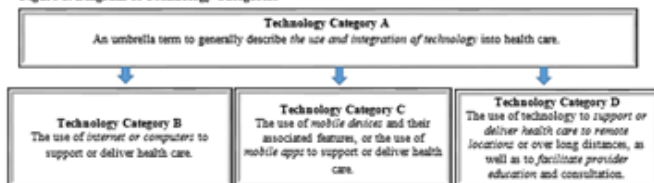
The aim of this report is to provide recommendations for terminology describing the use of technology to deliver or support health care. Recommendations are based upon a global analysis of documents and data compiled through strategic searches.

Methods

Technology Categories

This report’s findings were organized into one umbrella term (the general use of technology in health care), and three technology-specific categories: internet, mobile, and the use of technology to remote locations (see Figure 1). Based on a comprehensive analysis, the paper concludes with a recommended term and definition for each category.

Figure 1. Diagram of Technology Categories



Technology Category	Recommended Term	Recommended Term Definition	Frequency of Term Definition from Literature Search
A. An umbrella term to generally describe the use and integration of technology into health care.	Digital Health	“The use of digital, mobile and wireless technologies to support the achievement of health objectives. Digital health describes the general use of information and communication technologies (ICT) for health and is inclusive of both mHealth and eHealth.” (WHO, 2016) ⁸	5 references found in 11 relevant articles.
B. The use of internet or computers to support or deliver health care.	Electronic Health (eHealth)	“eHealth is an emerging field in the intersection of medical informatics, public health and business, referring to health services and information delivered or enhanced through the Internet and related technologies.” (Eysenbach, 2001) ⁹	3 references found in 19 relevant articles.
C. The use of mobile devices and their associated features, or the use of mobile apps to support or deliver health care.	Mobile Health (mHealth)	“Medical and public health practice supported by mobile devices, such as mobile phones, patient monitoring devices, personal digital assistants (PDAs), and other wireless devices. mHealth involves the use and capitalization on a mobile phone’s core utility of voice and short messaging service (SMS) as well as more complex functionalities and applications including general packet radio service (GPRS), third and fourth generation mobile telecommunications (3G and 4G systems), global positioning system (GPS), and Bluetooth technology.” (WHO, 2014) ¹⁰	13 references found in 22 relevant articles.
D. The use of technology to support or deliver health care to remote locations or over long distances, as well as facilitate provider education and consultation.	Telehealth	“Telehealth is defined as the use of electronic information and telecommunication technologies to support and promote long-distance clinical health care, patient and professional health-related education, public health and health administration. Technologies include video conferencing, the internet, store-and-forward imaging, streaming media, and terrestrial and wireless communications.” (HRSA, ND) ¹¹	3 references found in 20 relevant articles.

DHA Mission



VISION: Unified and Ready...

MISSION: As a Combat Support Agency, the Defense Health Agency leads the MHS integration of readiness and health to deliver the Quadruple Aim: improved readiness, better health, better care, and lower cost.



MHS VH Mission and Vision



Vision Statement

Connecting Service Members, their families, and other beneficiaries to optimal health services, wherever and whenever they are needed.

Mission Statement

The Military Health System (MHS) Virtual Health capability uses an empirically driven and Market-based approach to bring health readiness services, assessment, care, health education, and health self-management to beneficiaries throughout the enterprise. This Virtual Health capability is backed by a robust global Virtual Medical Center that allows leveraging of care between Markets, between the Direct and Purchased Care Networks, between Operational and Non-Operational settings, and between the DoD and other partner agencies.

Important VH Policy

Brief History of VH To the Patients Location



2010
Title 10

FY 2012
NDAA

2016
'Woodsen Memo'

TITLE 10—ARMED FORCES

This title was enacted by act Aug. 10, 1956, ch. 1041, § 1, 70A Stat. 1

Subtitle	Sec.	TABLE I—CONTINUED	
A. General Military Law	101		
B. Army	3001		
C. Navy and Marine Corps	5001		
D. Air Force	8001		
E. Reserve Components	10001		
AMENDMENTS			
1994—Pub. L. 103-337, div. A, title XVI, §167(a), Oct. 5, 1994, 108 Stat. 3013, added item for subtitle E.			
TABLE I			
(Showing disposition of all sections of former Title 10)			
Title 10 Former Sections	Title 10 New Sections		
66-70	Rep.		
71, 72	Rep.		
73	Rep.		
74	Rep.		
75	Rep.		
76	Rep.		
77	Rep.		
78	Rep.		
79	Rep.		
80	Rep.		
81	Rep.		
82	Rep.		
83	Rep.		
84	Rep.		
85	Rep.		
86	Rep.		
87	Rep.		
88	Rep.		
89	Rep.		
90	Rep.		
91	Rep.		
92	Rep.		
93	Rep.		
94	Rep.		
95	Rep.		
96	Rep.		
97	Rep.		
98	Rep.		
99	Rep.		
100	Rep.		
101	Rep.		
102	Rep.		
103	Rep.		
104	Rep.		
105	Rep.		
106	Rep.		
107	Rep.		
108	Rep.		
109	Rep.		
110	Rep.		
111	Rep.		
112	Rep.		
113	Rep.		
114	Rep.		
115	Rep.		
116	Rep.		
117	Rep.		
118	Rep.		
119	Rep.		
120	Rep.		
121	Rep.		
122	Rep.		
123	Rep.		
124	Rep.		
125	Rep.		
126	Rep.		
127	Rep.		
128	Rep.		
129	Rep.		
130	Rep.		
131	Rep.		
132	Rep.		
133	Rep.		
134	Rep.		
135	Rep.		
136	Rep.		
137	Rep.		
138	Rep.		
139	Rep.		
140	Rep.		
141	Rep.		
142	Rep.		
143	Rep.		
144	Rep.		
145	Rep.		
146	Rep.		
147	Rep.		
148	Rep.		
149	Rep.		
150	Rep.		
151	Rep.		
152	Rep.		
153	Rep.		
154	Rep.		
155	Rep.		
156	Rep.		
157	Rep.		
158	Rep.		
159	Rep.		
160	Rep.		
161	Rep.		
162	Rep.		
163	Rep.		
164	Rep.		
165	Rep.		
166	Rep.		
167	Rep.		
168	Rep.		
169	Rep.		
170	Rep.		
171	Rep.		
172	Rep.		
173	Rep.		
174	Rep.		
175	Rep.		
176	Rep.		
177	Rep.		
178	Rep.		
179	Rep.		
180	Rep.		
181	Rep.		
182	Rep.		
183	Rep.		
184	Rep.		
185	Rep.		
186	Rep.		
187	Rep.		
188	Rep.		
189	Rep.		
190	Rep.		
191	Rep.		
192	Rep.		
193	Rep.		
194	Rep.		
195	Rep.		
196	Rep.		
197	Rep.		
198	Rep.		
199	Rep.		
200	Rep.		
201	Rep.		
202	Rep.		
203	Rep.		
204	Rep.		
205	Rep.		
206	Rep.		
207	Rep.		
208	Rep.		
209	Rep.		
210	Rep.		
211	Rep.		
212	Rep.		
213	Rep.		
214	Rep.		
215	Rep.		
216	Rep.		
217	Rep.		
218	Rep.		
219	Rep.		
220	Rep.		
221	Rep.		
222	Rep.		
223	Rep.		
224	Rep.		
225	Rep.		
226	Rep.		
227	Rep.		
228	Rep.		
229	Rep.		
230	Rep.		
231	Rep.		
232	Rep.		
233	Rep.		
234	Rep.		
235	Rep.		
236	Rep.		
237	Rep.		
238	Rep.		
239	Rep.		
240	Rep.		
241	Rep.		
242	Rep.		
243	Rep.		
244	Rep.		
245	Rep.		
246	Rep.		
247	Rep.		
248	Rep.		
249	Rep.		
250	Rep.		
251	Rep.		
252	Rep.		
253	Rep.		
254	Rep.		
255	Rep.		
256	Rep.		
257	Rep.		
258	Rep.		
259	Rep.		
260	Rep.		
261	Rep.		
262	Rep.		
263	Rep.		
264	Rep.		
265	Rep.		
266	Rep.		
267	Rep.		
268	Rep.		
269	Rep.		
270	Rep.		
271	Rep.		
272	Rep.		
273	Rep.		
274	Rep.		
275	Rep.		
276	Rep.		
277	Rep.		
278	Rep.		
279	Rep.		
280	Rep.		
281	Rep.		
282	Rep.		
283	Rep.		
284	Rep.		
285	Rep.		
286	Rep.		
287	Rep.		
288	Rep.		
289	Rep.		
290	Rep.		
291	Rep.		
292	Rep.		
293	Rep.		
294	Rep.		
295	Rep.		
296	Rep.		
297	Rep.		
298	Rep.		
299	Rep.		
300	Rep.		
301	Rep.		
302	Rep.		
303	Rep.		
304	Rep.		
305	Rep.		
306	Rep.		
307	Rep.		
308	Rep.		
309	Rep.		
310	Rep.		
311	Rep.		
312	Rep.		
313	Rep.		
314	Rep.		
315	Rep.		
316	Rep.		
317	Rep.		
318	Rep.		
319	Rep.		
320	Rep.		
321	Rep.		
322	Rep.		
323	Rep.		
324	Rep.		
325	Rep.		
326	Rep.		
327	Rep.		
328	Rep.		
329	Rep.		
330	Rep.		
331	Rep.		
332	Rep.		
333	Rep.		
334	Rep.		
335	Rep.		
336	Rep.		
337	Rep.		
338	Rep.		
339	Rep.		
340	Rep.		
341	Rep.		
342	Rep.		
343	Rep.		
344	Rep.		
345	Rep.		
346	Rep.		
347	Rep.		
348	Rep.		
349	Rep.		
350	Rep.		
351	Rep.		
352	Rep.		
353	Rep.		
354	Rep.		
355	Rep.		
356	Rep.		
357	Rep.		
358	Rep.		
359	Rep.		
360	Rep.		
361	Rep.		
362	Rep.		
363	Rep.		
364	Rep.		
365	Rep.		
366	Rep.		
367	Rep.		
368	Rep.		
369	Rep.		
370	Rep.		
371	Rep.		
372	Rep.		
373	Rep.		
374	Rep.		
375	Rep.		
376	Rep.		
377	Rep.		
378	Rep.		
379	Rep.		
380	Rep.		
381	Rep.		
382	Rep.		
383	Rep.		
384	Rep.		
385	Rep.		
386	Rep.		
387	Rep.		
388	Rep.		
389	Rep.		
390	Rep.		
391	Rep.		
392	Rep.		
393	Rep.		
394	Rep.		
395	Rep.		
396	Rep.		
397	Rep.		
398	Rep.		
399	Rep.		
400	Rep.		
401	Rep.		
402	Rep.		
403	Rep.		
404	Rep.		
405	Rep.		
406	Rep.		
407	Rep.		
408	Rep.		
409	Rep.		
410	Rep.		
411	Rep.		
412	Rep.		
413	Rep.		
414	Rep.		
415	Rep.		
416	Rep.		
417	Rep.		
418	Rep.		
419	Rep.		
420	Rep.		
421	Rep.		
422	Rep.		
423	Rep.		
424	Rep.		
425	Rep.		
426	Rep.		
427	Rep.		
428	Rep.		
429	Rep.		
430	Rep.		
431	Rep.		
432	Rep.		
433	Rep.		
434	Rep.		
435	Rep.		
436	Rep.		
437	Rep.		
438	Rep.		
439	Rep.		
440	Rep.		
441	Rep.		
442	Rep.		
443	Rep.		
444	Rep.		
445	Rep.		
446	Rep.		
447	Rep.		
448	Rep.		
449	Rep.		
450	Rep.		
451	Rep.		
452	Rep.		
453	Rep.		
454	Rep.		
455	Rep.		
456	Rep.		
457	Rep.		
458	Rep.		
459	Rep.		
460	Rep.		
461	Rep.		
462	Rep.		
463	Rep.		
464	Rep.		
465	Rep.		
466	Rep.		
467	Rep.		
468	Rep.		
469	Rep.		
470	Rep.		
471	Rep.		
472	Rep.		
473	Rep.		
474	Rep.		
475	Rep.		
476	Rep.		
477	Rep.		
478	Rep.		
479	Rep.		
480	Rep.		
481	Rep.		
482	Rep.		
483	Rep.		
484	Rep.		
485	Rep.		
486	Rep.		
487	Rep.		
488	Rep.		
489	Rep.		
490	Rep.		
491	Rep.		
492	Rep.		
493	Rep.		
494	Rep.		
495	Rep.		
496	Rep.		
497	Rep.		
498	Rep.		
499	Rep.		
500	Rep.		
501	Rep.		
502	Rep.		
503	Rep.		
504	Rep.		
505	Rep.		
506	Rep.		
507	Rep.		
508	Rep.		
509	Rep.		
510	Rep.		
511	Rep.		
512	Rep.		
513	Rep.		
514	Rep.		
515	Rep.		
516	Rep.		
517	Rep.		
518	Rep.		
519	Rep.		
520	Rep.		
521	Rep.		
522	Rep.		
523	Rep.		
524	Rep.		
525	Rep.		
526	Rep.		
527	Rep.		
528	Rep.		
529	Rep.		
530	Rep.		
531	Rep.		
532	Rep.		
533	Rep.		
534	Rep.		
535	Rep.		
536	Rep.		
537	Rep.		
538	Rep.		
539	Rep.		
540	Rep.		
541	Rep.		
542	Rep.		
543	Rep.		
544	Rep.		
545	Rep.		
546	Rep.		
547	Rep.		
548	Rep.		
549	Rep.		
550	Rep.		
551	Rep.		
552	Rep.		
553	Rep.</		

Important VH Policy

Brief History of VH To the Patients Location



■ DHA-PM 6025.13 (Replaces DOD PM 6025.13)

- Removes link between provider, patient and MTF.
- Includes MHS Virtual Medical Center (VMC) language and allows for privileging by proxy (PBP) – ‘One to Many’
- A Personal Services Contractor or even Active Duty Service Member (ADSM) could practice from a community location (Home)

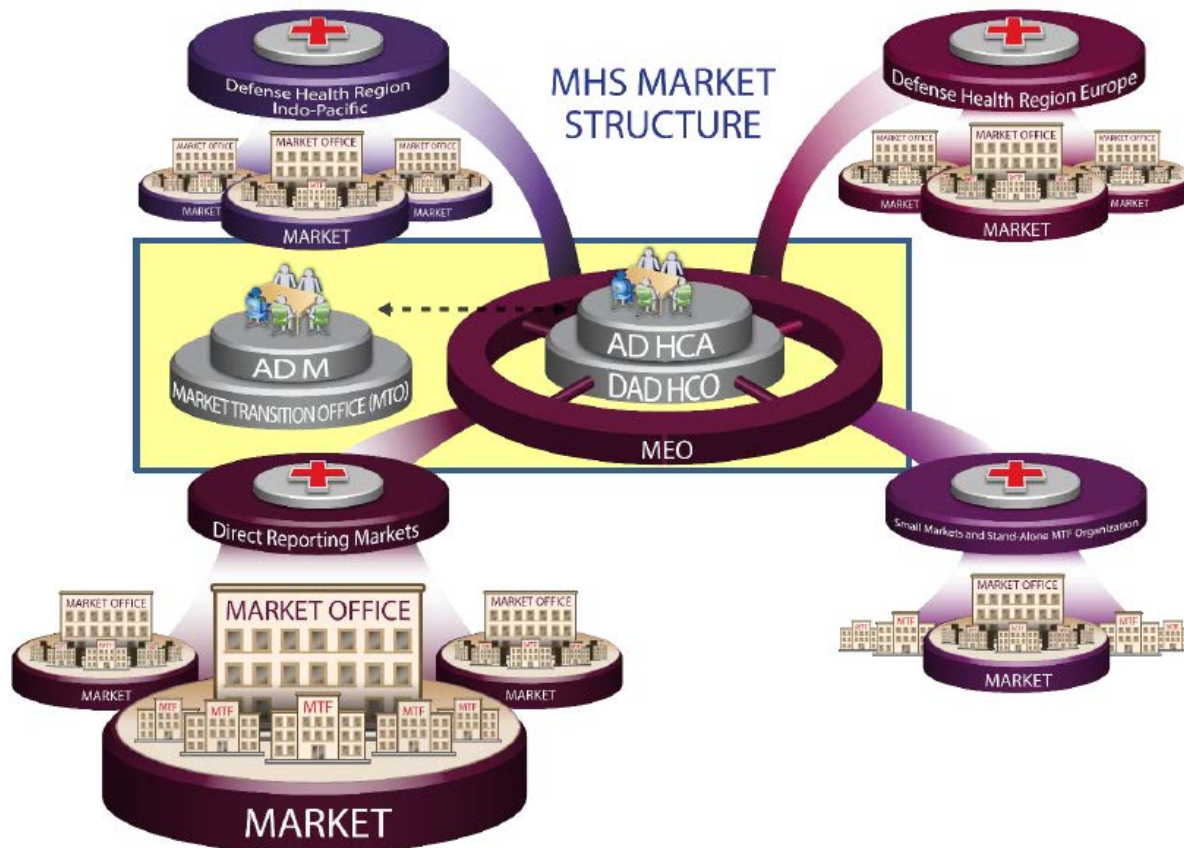
■ DHA-PI 6025.xx (Replaces DHA-IPM 18-001)

- Includes more details about how to handle patient care via telephone and VH appointing
- Replacement does not include coding guidance. Will refer to MHS Medical Coding Doc.
- Future single source for coding ‘The MHS Medical Coding Guidelines’

■ Section 718, 2017 NDAA Incorporation of Telehealth

Directs Secretary of Defense to incorporate broad based Telehealth services in the MHS , including mobile health applications, secure messaging : (A) **to improve access to primary care, urgent care, behavioral health care, and specialty care;** (B) **to perform health assessments;** (C) **to provide diagnoses, interventions, and supervision;** (D) **to monitor individual health outcomes of covered beneficiaries with chronic diseases or conditions;** (E) **to improve communication between health care providers and patients;** and (F) **to reduce health care costs for covered beneficiaries and the Department of Defense.** Goes on to explain methods SM, Synchronous Video, RHM and Tricare reimbursement. **Also requires assessment of the satisfaction of both covered beneficiaries and providers.**

Enterprise VH Capabilities in Market Based System



Courtesy of Connected Health

“Medically Ready Force...Ready Medical Force”

Building an Enterprise VH Capabilities



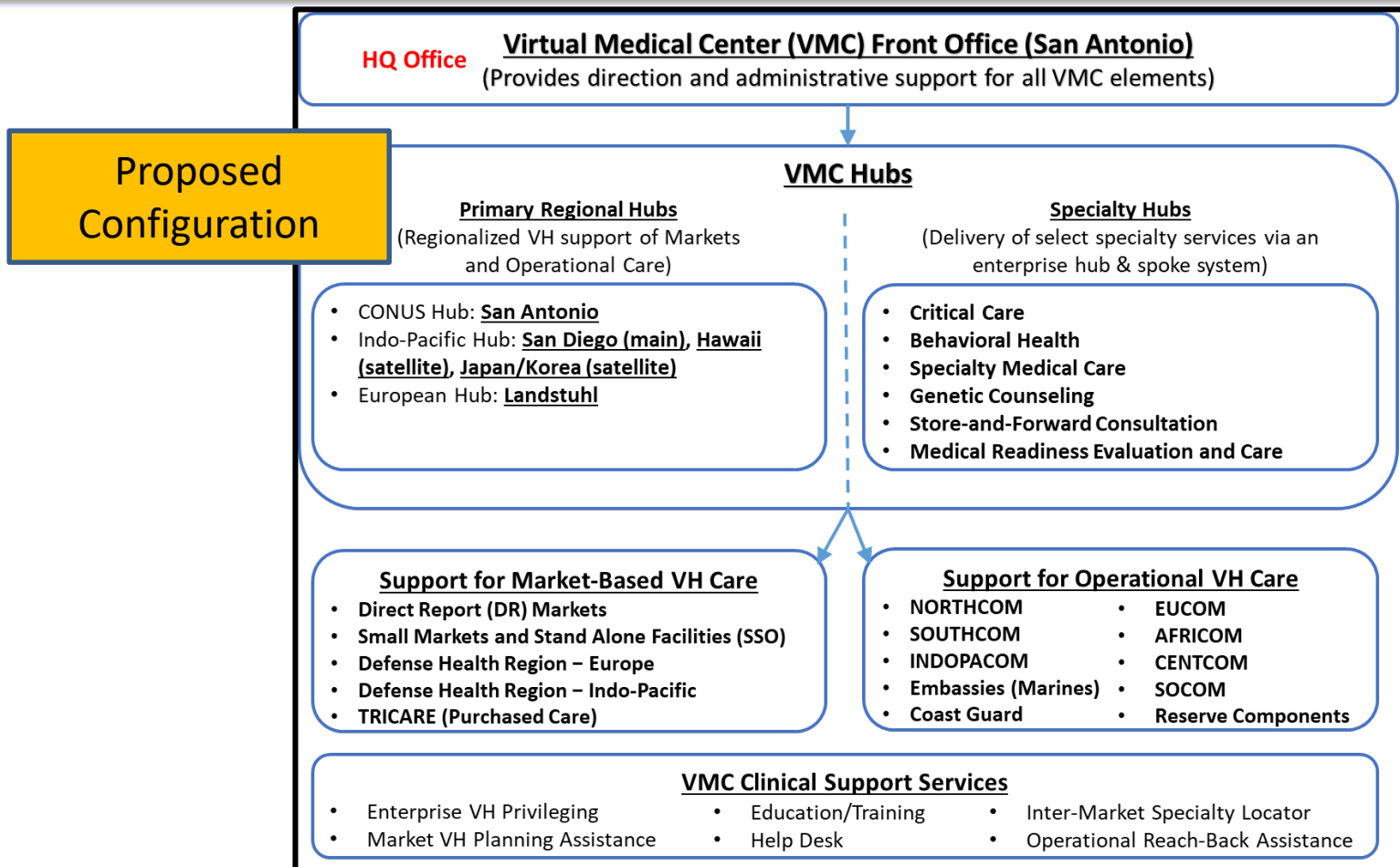
The Military Health System (MHS) VH Program. Managed by the DHA and collaboratively executed by the Uniformed Services and Markets. DHA is implementing a multi-year phased transition of military treatment facilities (MTFs) to the authority, direction, and control (ADC) of the Defense Health Agency (DHA).

- 1. MHS VH Program Management Office.** Responsible for the total lifecycle management of the program including determining the solution(s); its procurement; sustainment
- 2. MHS VH Clinical Integration Office (VH CLIO).** Responsible for integrating telehealth as a standard practice across the MHS in the various domains of care through its guidance in a manner consistent with established practice and quality standards of the Joint Commission (JC) and other regulatory requirements. Reports to Deputy Assistant Direct for Medical Affairs (MA) and will develop VH functional requirements, competency management framework, education and training plans and priorities, metrics, analysis, and need & gap validation.
- 3. MHS Virtual Medical Center (VMC).** The clinical execution organization for VH care delivery across the Enterprise. The VMC responsibilities include credentialing and privileging by proxy (PBP), need and gap identification and, in a future state, quality and safety and accreditation.
- 4. Health Information Operations (IO), Health Informatics, Health Care Operations, Service VH Leads**

Is the VMC a Market? An MTF?

A: Not a Market, sort of an MTF. Acts as a functional overlay to the Markets

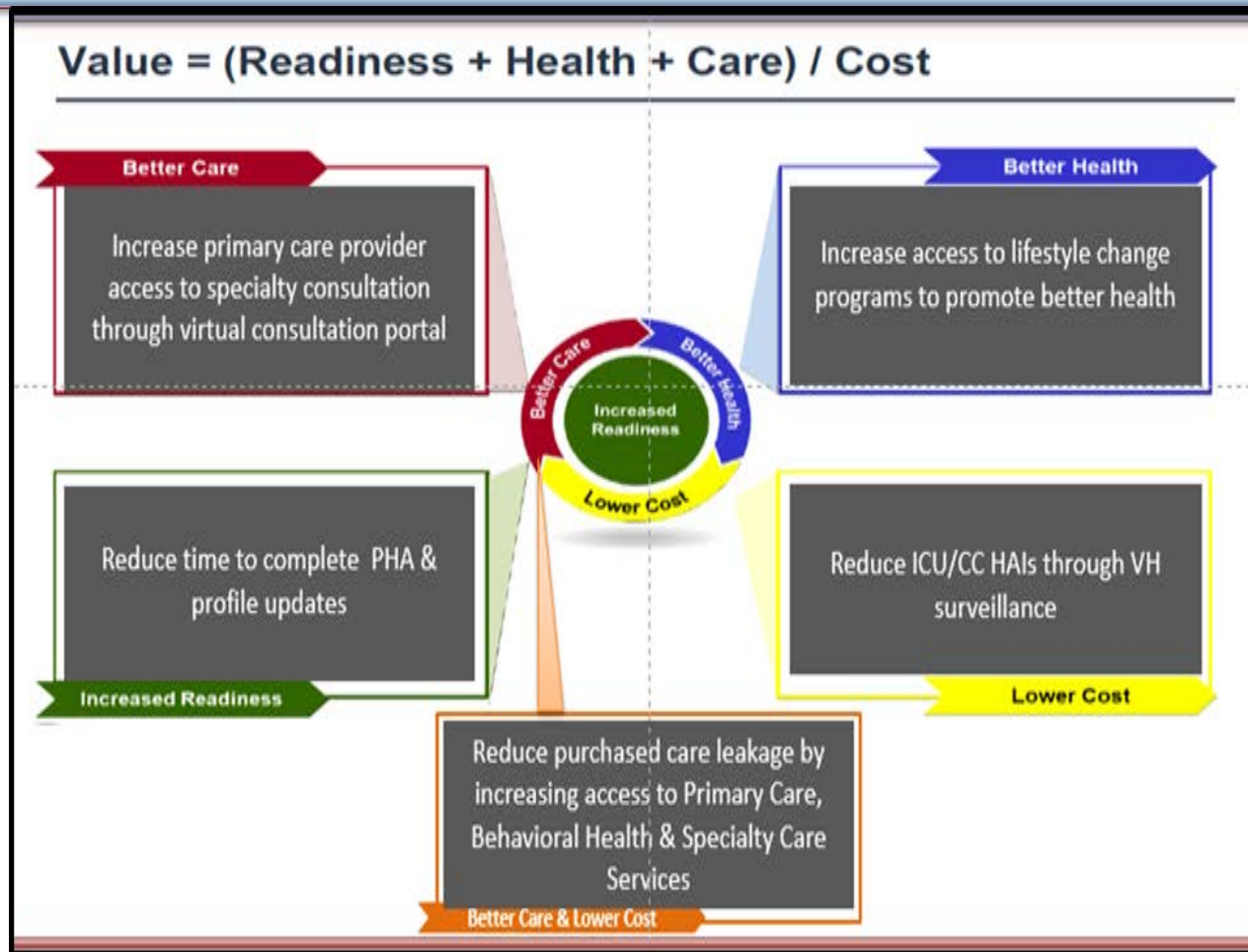
The MHS VMC



Courtesy of Connected Health

“Medically Ready Force...Ready Medical Force”

MHS VH Efforts linked to Quad Aim



Courtesy of Connected Health

“Medically Ready Force...Ready Medical Force”

Current MHS VH Community Efforts

- ☐ Strategic Planning
- ☐ Providing Interim VH Capabilities for Markets (Wave 1)
- ☐ VH PMO Acquiring Interim Solution – IPT Set Up to Field
- ☐ Working with HI to plan for VH integration with MHS Genesis
- ☐ Manpower Studies to staff VH positions in VMC and Markets
- ☐ Working to Integrate the VMC and its constituent parts into DHA

Innovation Driven by Need and Capability



Civil War—Telegraph to transmit casualty lists and request supplies

Telegraph

Radio

Telephone

Television

Internet

Civil War—Telegraph to transmit casualty lists and request supplies

Telegraph

Radio

Telephone

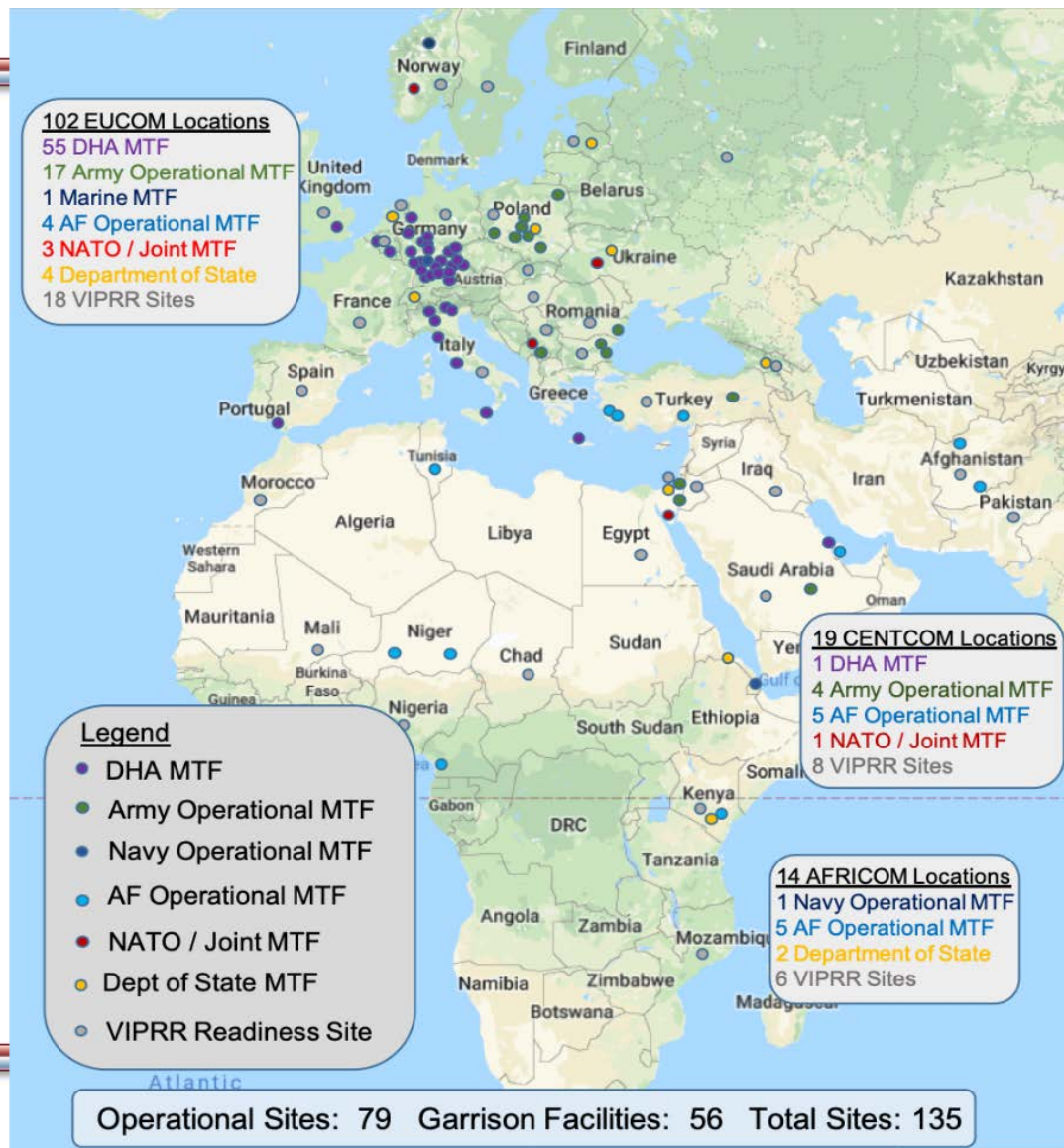
Television

Internet

**Adapting the
capability to the
requirement**

Tele-practice, Tele-consultation, Tele-education, Tele-research

Virtual Medical Center OCONUS HUB Footprint



Courtesy of Connected Health

A Day In The OCONUS Virtual Medical Center - European Hub



Virtual Health Europe's Capabilities:

- Integrated Asynchronous and Synchronous video Operations → Link HELP with Video visits
- Dynamic scheduling for patients, providers, and Nurse Presenters → Bring the MEDCEN to the point of need
- Personalized training for Providers and Presenters → Integrate VH into daily use

Virtual Health Results

- 35 VH visits to 79 operational and 56 fixed sites across three Combatant Commands (CCMD)
- 10 Operational Virtual Health Visits are performed
- 300+ providers across 42 Specialties performing Virtual Health
- 1/20 surgeries at Landstuhl Regional Medical Center (LRMC) started with a VH visit

Polling Question



Quadruple Aim: Better Care



Courtesy of Connected Health

How does the Sailor in the Oval appear?

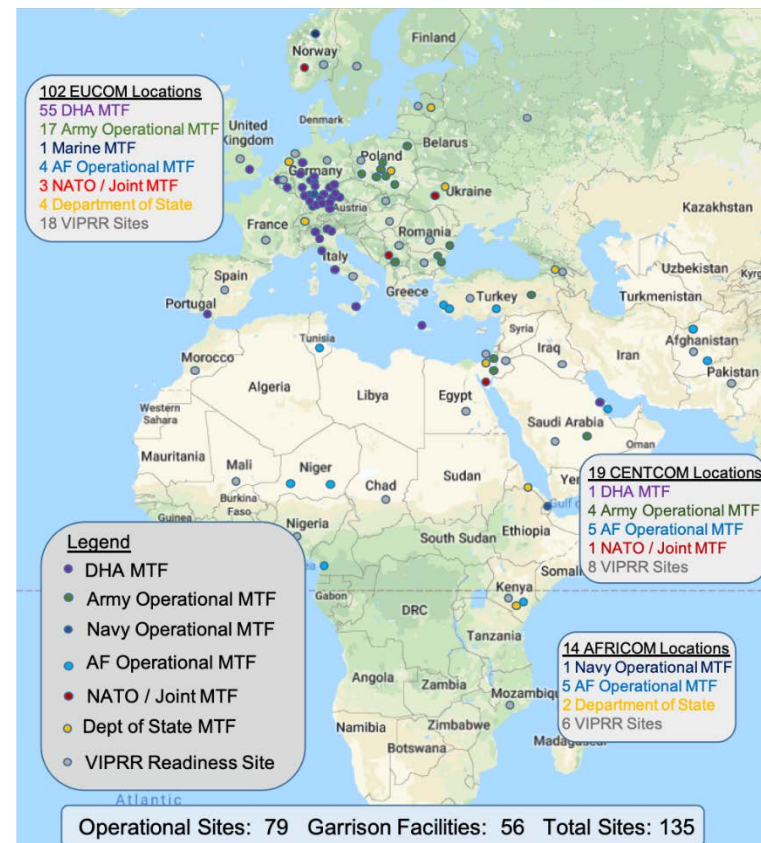
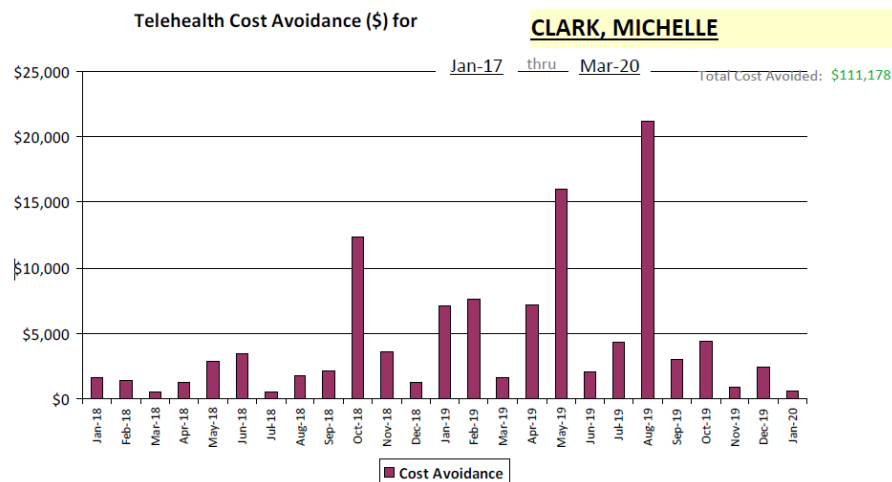
- A. Upset
- B. Disconcerted
- C. Content
- D. Pleased

Quadruple Aim through Virtual Health: Access to Care and Lower Cost



Developmental Pediatrics

- Different constructs in Europe and beyond
- Expand reach first to MTFs then beyond
- Evolving care delivery
 - Determine tests required during VH SPEC
 - Perform tests during TDY mission



Courtesy of Connected Health

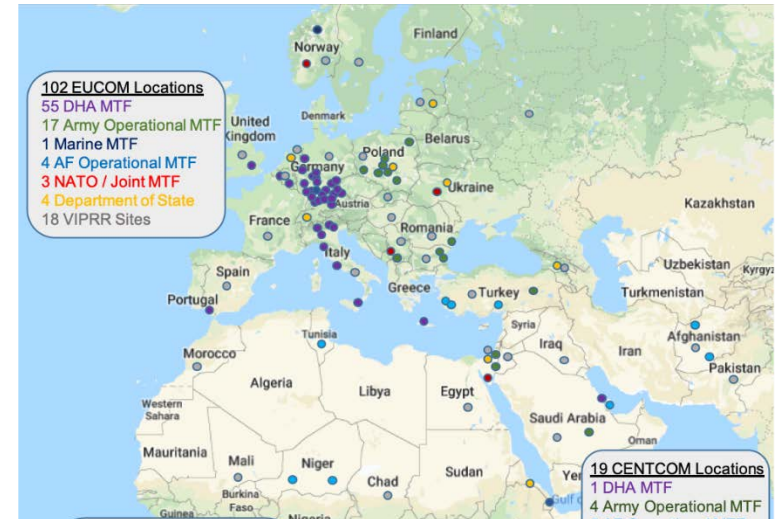
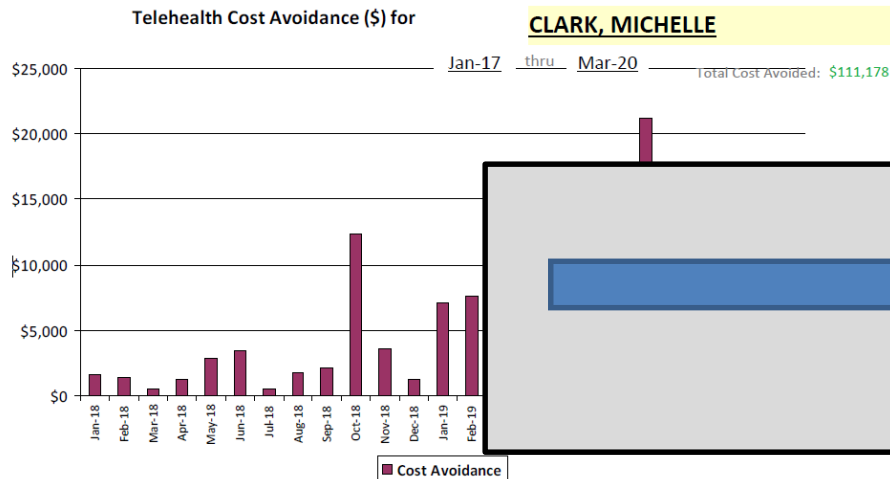
“Medically Ready Force...Ready Medical Force”

Quadruple Aim through Virtual Health: Access to Care and Lower Cost



Developmental Pediatrics

- Different constructs in Europe and beyond
- Expand reach first to MTFs than beyond
- Evolving care delivery
 - Determine tests required during VH SPEC
 - Perform tests during TDY mission



- Delivery of Specialty Care = Access to care
- Minimize trips to Landstuhl = Lower Cost

Operational Sites: 79 Garrison Facilities: 56 Total Sites: 135

Courtesy of Connected Health

“Medically Ready Force...Ready Medical Force”

Clinical Communities Speaker Series



American Academy
of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN™

The Use of Telemedicine to Address Access and Physician Workforce Shortages

COMMITTEE ON PEDIATRIC WORKFORCE

Quadruple Aim Through Virtual Health: Readiness and Lower Cost Pediatric Case Study



“A five year old boy from Vicenza, had bilateral ear tubes placed at age one for recurrent ear infections. Through some magical healing, the tube fell into the middle ear and the ear drum healed, causing the ear tube to become stuck in the middle ear behind an intact ear drum. **Through telehealth, I was able to evaluate the ear and see the tube behind the eardrum, get a computed tomography (CT) ordered at Aviano, then set the patient up for surgery,** and he's having surgery tomorrow (16 August). **It saved at least two trips to LRMC for evaluation and CT scan and the family was very pleased.**”

Lt Col Brent Feldt, MC, USAF
Otolaryngologist



Courtesy of Connected Health

Quadruple Aim through Virtual Health: Readiness and Lower Cost Pediatric Case Study



“A five year old boy from Vicenza, had bilateral ear tubes placed at age one for recurrent ear infections. Through some magical healing, the tube fell into the middle ear and the ear drum healed, causing the ear tube to become stuck in the middle ear behind an intact ear drum. **Through telehealth, I was able to evaluate the ear and see the tube behind the eardrum, get a computed tomography (CT) ordered at Aviano, then set the patient up for surgery,** and he's having surgery tomorrow (16 August). **It saved at least two trips to LRMC for evaluation and CT scan and the family was very pleased.**”

Lt Col Brent Feldt, MC, USAF
Otolaryngologist



Courtesy of Connected Health



- Parent stays at work = Readiness
- Minimize trips to LRMC = Lower Cost
- Pediatric Surgery = Surgical Readiness

What's A Provider To Do???

Current State:

Modalities:

- Telephone, Email

Providers:

- Little benefit to VH

Patients:

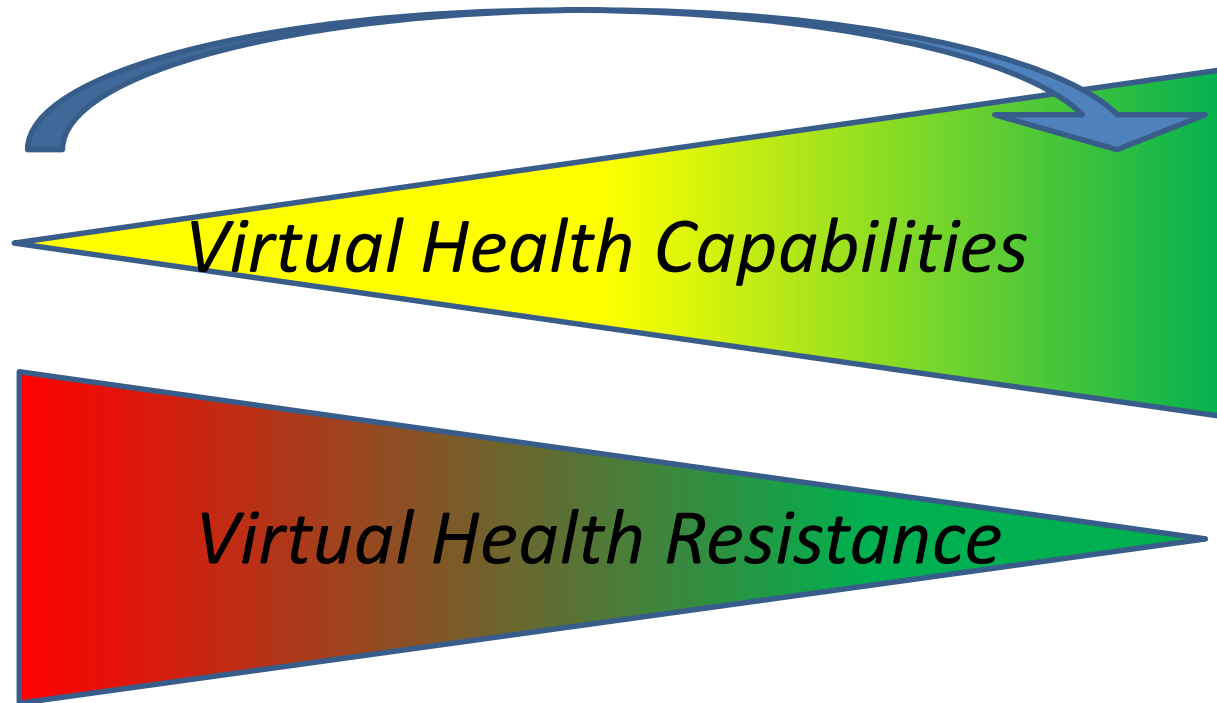
- Clear need & desire

Systems:

- Poorly defined

Enterprise:

- Muddled



Future State:

Modalities:

- Telephone, Email, Video

Providers:

- Incentivized
- Enjoy

Patients:

- Clear need...met

Systems:

- Defined

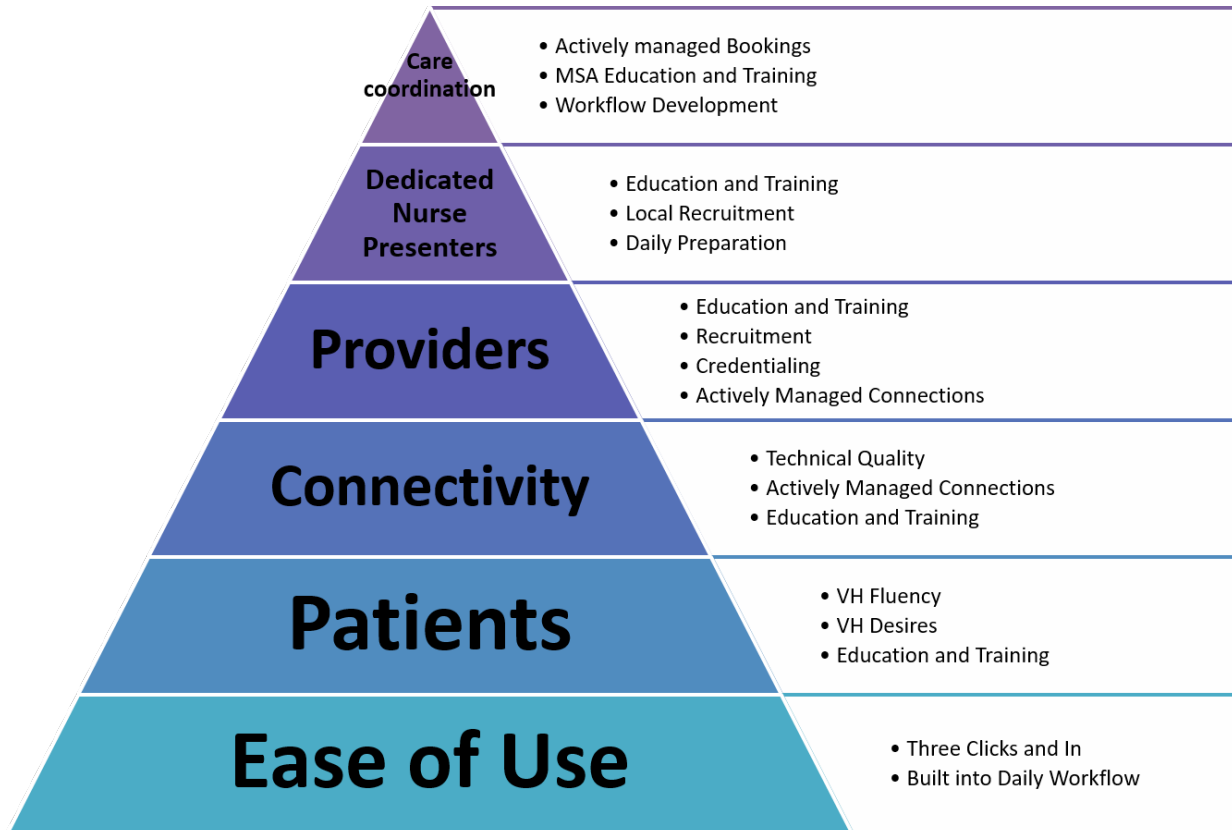
Enterprise:

- Clear priority

Clinical Communities Speaker Series



Foundational Elements: Siloes and Fractured



Common Themes:

1. Education and Training
2. Recruitment
3. Ease of Use

Which Elements do you have?

1. Jabber vs GVS?
2. VHCCA vs Regional Health Command Europe (RHCE) scheduling?

What's A Provider To Do???



Virtual Health Tenants

1. VH has to be a winner for all actors
 - Enterprise, Providers, Nurses, Patients
 - Schedulers
2. VH requires supportive, permissive leadership
 - “Mission Command”
3. VH has to be easy

Virtual Health Strategies

1. Start slow with quick wins
 - “Screening Visits”
 - Laboratory Results
 - Established patients
2. Add capacity as capability increases
 - Specific types of new patients

Key Takeaways



- Review MHS Definition of Virtual Health
- Illustrate current Service Led Virtual Health Activities
- Demonstrate DHA Implementation and Virtual Health
- Define key guidance advancing Virtual Health in the MHS
- Outline Family and Pediatrics VH Use Cases

References



- Defense Health Agency. (2019, August 12). *PLAN 3: Implementation Plan for the Complete Transition of Military Medical Treatment Facilities to the Defense Health Agency*. Version 6.0.
- Defense Health Agency, (2019, August 29). *Clinical Quality Management in the Military Health System Volume 4: Credentialing and Privileging*, DHA-PM 6025.13.
- Defense Health Agency, (2018, October 19). *Interim Procedures Memorandum 18-016, Medical Coding of the DoD Health Records*, DHA-IPM 18-016.
- Military Health System. (2020, February 28). *FY 20-22 Virtual Health Strategic Plan*, (In Draft).
- The Use of Telemedicine to Address Access and Physician Workforce Shortages. (2015). *Pediatrics*, 136(1), 202–209.
<http://doi.org/10.1542/peds.2015-1253>

THANK YOU!

Questions?

How to Obtain CE Credit



To receive CE/CME credit, you must register by 0730 ET on 27 March 2020 to qualify for the receipt of CE/CME credit or certificate of attendance. You must complete the program posttest and evaluation before collecting your certificate. The posttest and evaluation will be available through 9 April 2020 at 2359 ET. Please complete the following steps to obtain CE/CME credit:

1. Go to URL <https://www.dhaj7-cepo.com/>
2. In the search bar on the top left, copy and paste the activity name:. This will take you to the activity home page.
3. Click on the REGISTER/TAKE COURSE tab.
 - a. If you have previously used the CEPO LMS, click login.
 - b. If you have not previously used the CEPO LMS click register to create a new account.
4. Verify, correct, or add your profile information.
5. Follow the onscreen prompts to complete the post-activity assessments:
 - a. Read the Accreditation Statement
 - b. Complete the Evaluation
 - c. Take the Posttest
6. After completing the posttest at 80% or above, your certificate will be available for print or download.
7. You can return to the site at any time in the future to print your certificate and transcripts at <https://www.dhaj7-cepo.com/>
8. If you require further support, please contact us at dha.ncr.j7.mbx.cepo-lms-support@mail.mil