Health Summary (GMTS*2.7*129)

Installation Guide & Release Notes

Version 2.7

December 2019

Department of Veterans Affairs (VA)

Decentralized Hospital Computer Program

Revision History

Revision Date	Description	Author(s)
December 2019	GMTS*2.7*129 - Updated Title page, TOC, footers, and removed all mentions of Social Work	Megan Lucas Eric Smith

Preface

The Health Summary package integrates clinical data from DHCP ancillary packages into patient health summaries which can be viewed online or printed as reports. Version 2.7 includes several new components and features, including Patient Care Encounter (PCE) components, which are described in the Release Notes section of this manual.

This manual is intended to be used as an installation and set-up guide for IRM Service, Clinical Coordinators, and ADPACs.

It also contains Release Notes describing new components and features included in Version 2.7 of Health Summary.

Appendix A contains a Component Checklist to help Clinical Coordinators and users determine which components may need disabling.

Appendix B contains a post-init matrix which shows how the post-init reconciles package components to local package installation statuses.

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INSTALLATION GUIDE

Pre-Installation Information

Required Packages

Before installing Health Summary 2.7, the following DHCP packages must be installed.

Package	Required Version (or later)
Kernel	7.1
Registration	5.3
Scheduling	5.3
VA FileMan	21

Because of the integrated nature of this package, certain versions of ancillary packages must be in place to support their corresponding Health Summary components. The following chart lists the package version numbers.

Notes: The packages and versions listed below support the components that are exported with Health Summary V. 2.7. During the installation, components that are supported by packages which have not been installed will be automatically disabled. If you load a package version which requires updated routines (Outpatient Pharmacy 6.0, Medicine 2.2, and Problem List 2.0), see Appendix B in this manual for instructions.

Package	Minimum Version
Allergy Tracking System	3.0
Automated Med Info Exchange (AMIE)	2.7
Dietetics	4.6
Discharge Summary	1.0
Gen. Med. Rec. - Vitals	2.5
Inpatient Medications	4.5
Lab Service	5.2
Medicine	2.0
Mental Health	5.01
Order Entry/Results Reporting (OE/RR)	2.5
Outpatient Pharmacy	6.0
PCE Patient Care Encounter	1.0
Problem List	2.0
Progress Notes	2.5
Radiology	4.0
Surgery	3.0

Resource Requirements

The Health Summary routines and globals use approximately 750K of disk space. CPU cycles and paper consumption will vary with usage by each site. The ^GMT global only grows minimally.

Version Installation Order

First Time Installation
Health Summary V. 2.7 may be installed in an account (test or production) in which no previous version of Health Summary existed.

Over Version 2.5
You can install V. 2.7 over V. 2.5, but you must delete all GMTS* routines prior to installing the new version. Remember to exclude all locally created GMTSZ* routines.

NOTE: Any locally developed components that you have set up in the Component File #142.1 will be preserved when you install V. 2.7.

Package Namespace

GMTS is the namespace assigned to Health Summary. All Health Summary V. 2.7 routines, options, bulletins, mail groups, and security keys use this namespace.

Global and File List

The Health Summary package contains the following files. The amount of disk space it uses depends on the number of local components and types created. This has averaged approximately 750K of disk space.

Number	Name	Global	Data Exported
142	HEALTH SUMMARY TYPE	^GMT(142,	YES
142.1	HEALTH SUMMARY COMPONENT	^GMT(142.1,	YES
142.99	HEALTH SUMMARY PARAMETERS	^GMT(142.99,	NO

Global Protection

DSM cluster configuration: the Health Summary Globals must be set and protected on the proper volume set using the %GLOMAN utility.

MSM configurations: use the %GCH system utility to create and change globals and their attributes. **First-Time Install:** MSM sites must set the new global to null on the file server (S ^GMT="").

On DSM and MSM systems, all Health Summary globals should be defined as follows:

	System	World	Group	UCI/USER
DSM	RWP	RWP	RWP	RWP
MSM	RWD	RWD	RWD	RWD

Pre-init, Init, and Post-init Actions

In addition to the standard initialization routines (GMTSI*), Health Summary also exports environment check (GMTSENV), Pre-init (GMTSPREI), and Post-init (GMTSPOS*) routines.

Environment check routine
The environment check routine (GMTSENV) checks to see if the person installing Health Summary is an active user, has his/her DUZ(0) set to "@," and that the U variable has been defined.

Pre-init routine

The Pre-init routine adds GMTS as an application group to files 60, 71, and 120.51. It also adds GMTS to 811.9 (PCE REMINDER/ MAINTENANCE ITEMS), 9001017 (HEALTH SUMMARY MEAS PANEL), and 9999999.64 (HEALTH FACTORS), which are Patient Care Encounter files that won't exist until PCE is installed. PCE will install them with GMTS as an application group if PCE is installed after Health Summary V. 2.7. The pre-init renames the abbreviation for the Medicine Summary component from "MED" to "MEDS" and deletes the following fields from the HEALTH SUMMARY TYPE file (#142).

Fields deleted
2	ICD TEXT DISPLAYED
3	PROVIDER NARRATIVE
4	MEASUREMENT PANEL
5	LAB TEST PANEL
6	SURVEILLANCE PANEL

Inits

The standard inits create/update the Health Summary files, and establish data dictionaries and file options.

Post-init routines

See Appendix B, Post init Matrix, for detailed information of what the Post inits do.

Estimated Installation Time

Activity	MSM 486	DSM ALPHA	Remarks
TCP/IP	10 min	10 min	Times vary greatly based on line traffic; they do not apply to MSM sites receiving the data on diskette.
Initialization	5 min	2 min	

Installation Procedures

1. **Preparation**

   a. We recommend that you install the software into a test account before installing it into a production account.

   b. Users may be on the system during installation of Health Summary, but we encourage you to back up your system before you install.

   c. Prevent Health Summary users from accessing the following Health Summary options while installing the new software by placing an OUT OF ORDER MESSAGE through the option "Restrict Availability of Options" on the Menu Management option, which is on Kernel's EVE menu.

      ♦ Print Health Summary Menu [GMTS HS MENU]
      ♦ Health Summary Menu [GMTS USER]
      ♦ Health Summary Enhanced Menu [GMTS ENHANCED USER]
      ♦ Health Summary Coordinator's Menu [GMTS COORDINATOR]
      ♦ Any locally created Health Summary Menu Options

   d. Disable routine mapping (DSM).

   e. If you have a previous version of Health Summary installed, delete all GMTS* routines prior to installing the new version. Remember to exclude all locally created GMTSZ* routines.

2. Routines

Sign into the UCI where you plan to install Health Summary and load GMTS* routines from the media by D ^%RR.

```
GMTS       GMTS1      GMTS2      GMTSADH    GMTSADH1   GMTSADH2   GMTSADH3   GMTSADH4
GMTSADHC   GMTSADOR   GMTSALG    GMTSALGB   GMTSAMIE   GMTSCI     GMTSCM     GMTSCW
GMTSDA     GMTSDCB    GMTSDD     GMTSDEM    GMTSDEMB   GMTSDGA    GMTSDGA1   GMTSDGA2
GMTSDGC1   GMTSDGC2   GMTSDGCH   GMTSDGD    GMTSDGH    GMTSDGP    GMTSDS     GMTSDSB
GMTSDVR    GMTSENV    GMTSFH     GMTSI001   GMTSI002   GMTSI003   GMTSI004   GMTSI005
GMTSI006   GMTSI007   GMTSI008   GMTSI009   GMTSI00A   GMTSI00B   GMTSI00C   GMTSI00D
GMTSI00E   GMTSI00F   GMTSI00G   GMTSI00H   GMTSI00I   GMTSI00J   GMTSI00K   GMTSI00L
GMTSI00M   GMTSI00N   GMTSI00O   GMTSI00P   GMTSI00Q   GMTSI00R   GMTSI00S   GMTSI00T
GMTSI00U   GMTSI00V   GMTSI00W   GMTSI00X   GMTSI00Y   GMTSI00Z   GMTSI010   GMTSI011
GMTSI012   GMTSI013   GMTSI014   GMTSI015   GMTSI016   GMTSI017   GMTSI018   GMTSI019
GMTSI01A   GMTSI01B   GMTSI01C   GMTSI01D   GMTSINI1   GMTSINI2   GMTSINI3   GMTSINI4
GMTSINI5   GMTSINIS   GMTSINIT   GMTSLOAD   GMTSLRA    GMTSLRAE   GMTSLRB    GMTSLRBE
GMTSLRC    GMTSLRCE   GMTSLRCP   GMTSLREE   GMTSLREM   GMTSLRM    GMTSLRM1   GMTSLRMB
GMTSLRME   GMTSLRMX   GMTSLROB   GMTSLROE   GMTSLROS   GMTSLRPE   GMTSLRS    GMTSLRS7
GMTSLRSC   GMTSLRSE   GMTSLRT    GMTSLRTE   GMTSLTR    GMTSLTR2   GMTSMCMA   GMTSMCPZ
GMTSMCZZ   GMTSMHPE   GMTSNTE0   GMTSNTEG   GMTSO001   GMTSO002   GMTSO003   GMTSO004
GMTSO005   GMTSO006   GMTSO007   GMTSO008   GMTSO009   GMTSO010   GMTSO011   GMTSO012
GMTSO013   GMTSO014   GMTSO015   GMTSO016   GMTSO017   GMTSO018   GMTSO019   GMTSO020
GMTSO021   GMTSO022   GMTSO023   GMTSO024   GMTSONI1   GMTSONI2   GMTSONI3   GMTSONIT
GMTSORC    GMTSPCD    GMTSPD     GMTSPD2    GMTSPDX    GMTSPDXZ   GMTSPL     GMTSPLST
GMTSPLSZ   GMTSPN     GMTSPN1    GMTSPN2    GMTSPNB    GMTSPNE    GMTSPNJ    GMTSPNS
GMTSPOS1   GMTSPOS2   GMTSPOST   GMTSPP     GMTSPREI   GMTSPSG    GMTSPSI    GMTSPSO
GMTSPSZO   GMTSPXEP   GMTSPXFP   GMTSPXHP   GMTSPXHR   GMTSPXIM   GMTSPXM    GMTSPXMP
GMTSPXOP   GMTSPXSK   GMTSPXTP   GMTSPXU1   GMTSPXU2   GMTSPXXP   GMTSRAD    GMTSRAE
GMTSRAI    GMTSRAS    GMTSRASP   GMTSRI     GMTSRM     GMTSRM1    GMTSRM1A   GMTSRM2
GMTSRM3    GMTSRM4    GMTSRM5    GMTSRN     GMTSRO     GMTSROB
GMTSU      GMTSUP     GMTSUP1    GMTSVS     GMTSVSS

   211 routines restored
```

3. Run the GMTSNTEG routine.

4. Disable journaling (DSM).

5. D ^XUP and D Q^DI

D ^XUP and D Q^DI to ensure required variables are defined prior to starting initialization. A message informing you that the environment is not appropriately initialized will appear if your DUZ is not set to a valid user number and DUZ(0) does not equal "@".

6. D ^GMTSINIT

See installation examples on the next pages. GMTSINIT contains an environment check, pre-init, and post-init routines.

7. Post-Installation

a. Clean up your system by deleting GMTSI*, GMTSON*, GMTSPREI, and GMTSO0* routines.

b. DSM sites with multiple CPUs and all MSM sites: Copy all Health Summary routines and package routines sent out with Health Summary to each system after the init is completed, according to the table below:

Package	Routine(s)	Comments
Health Summary	GMTS*	
Problem List	GMPLHS	If Problem List 2.0 is installed

c. Re-enable journaling and routine mapping (DSM). We recommend mapping the GMTS* routines (excluding init and onit routines) to optimize system performance.

d. Set up the Health Summary package according to site requirements.

e. Remove the OUT OF ORDER message from the Health Summary options, to enable Health Summary option use.

♦ Print Health Summary Menu [GMTS HS MENU]
♦ Health Summary Menu [GMTS USER]
♦ Health Summary Enhanced Menu [GMTS ENHANCED USER]
♦ Health Summary Coordinator's Menu [GMTS COORDINATOR]
♦ Any locally created Health Summary Menu Options

f. Inform your users that Health Summary V. 2.7 is available for use.

Installation Over Version 2.5 Example

This section shows the terminal dialogue seen during installation of Health
Summary V. 2.7 in a Health Summary V. 2.5 account.

```
>D ^GMTSINIT

 This version (#2.7) of 'GMTSINIT' was created on 19-OCT-1995
         (at ISCSLC, by VA FileMan V.21.0)

 I HAVE TO RUN AN ENVIRONMENT CHECK ROUTINE.
 I AM GOING TO SET UP THE FOLLOWING FILES:

    142      HEALTH SUMMARY TYPE  (including data)
 Note:  You already have the 'HEALTH SUMMARY TYPE' File.
 I will OVERWRITE your data with mine.

    142.1    HEALTH SUMMARY COMPONENT  (including data)
 Note:  You already have the 'HEALTH SUMMARY COMPONENT' File.
 I will OVERWRITE your data with mine.

    142.99   HEALTH SUMMARY PARAMETERS
 Note:  You already have the 'HEALTH SUMMARY PARAMETERS' File.

 SHALL I WRITE OVER FILE SECURITY CODES? No//    <RET>(No)
 NOTE: This package also contains SORT TEMPLATES
      SHALL I WRITE OVER EXISTING SORT TEMPLATES OF THE SAME NAME?
Yes//<RET>(Yes)
 NOTE: This package also contains INPUT TEMPLATES
      SHALL I WRITE OVER EXISTING INPUT TEMPLATES OF THE SAME NAME?
Yes//<RET>(Yes)
 NOTE: This package also contains PRINT TEMPLATES
      SHALL I WRITE OVER EXISTING PRINT TEMPLATES OF THE SAME NAME?
Yes//<RET>(Yes)
 NOTE: This package also contains FUNCTIONS
      SHALL I WRITE OVER EXISTING FUNCTIONS OF THE SAME NAME? Yes//    <RET>(Yes)
 NOTE: This package also contains SECURITY KEYS
      SHALL I WRITE OVER EXISTING SECURITY KEYS OF THE SAME NAME? Yes//    <RET>(Yes)
 NOTE: This package also contains OPTIONS
      SHALL I WRITE OVER EXISTING OPTIONS OF THE SAME NAME? Yes//    <RET>(Yes)

 ARE YOU SURE EVERYTHING'S OK? No//   Y (Yes)

 First I need to run a pre-init....
 Starting pre-init now....

 ** Renaming Medicine Summary Abbreviation from MED to MEDS **
 Deleting field # 2 in the Health Summary Type (#142) file.
 Deleting field # 3 in the Health Summary Type (#142) file.
 Deleting field # 4 in the Health Summary Type (#142) file.
 Deleting field # 5 in the Health Summary Type (#142) file.
 Deleting field # 6 in the Health Summary Type (#142) file.
 Pre-init successfully completed!

 ...SORRY, THIS MAY TAKE A FEW MOMENTS........................................
 .....................................................
 'GMTS BUILD MENU' Option Filed
 'GMTS COMP DESC LIST' Option Filed
 'GMTS COMP INQ' Option Filed
 'GMTS COMP LIST' Option Filed
 'GMTS COORDINATOR' Option Filed
 'GMTS ENHANCED USER' Option Filed
 'GMTS HS ADHOC' Option Filed
```

```
    'GMTS HS BY LOC' Option Filed
    'GMTS HS BY LOC PARAMETERS' Option Filed
    'GMTS HS BY PATIENT' Option Filed
    'GMTS HS BY PATIENT & DATE RANG' Option Filed
    'GMTS HS BY PATIENT & VISIT' Option Filed
    'GMTS HS FOR ALL CLINICS' Option Filed
    'GMTS HS MENU' Option Filed
    'GMTS INFO ONLY MENU' Option Filed
    'GMTS IRM/ADPAC ADHOC EDIT' Option Filed
    'GMTS IRM/ADPAC ADHOC LOAD' Option Filed
    'GMTS IRM/ADPAC COMP EDIT' Option Filed
    'GMTS IRM/ADPAC ENABLE/DISABLE' Option Filed
    'GMTS IRM/ADPAC MAINT MENU' Option Filed
    'GMTS IRM/ADPAC PARAMETER EDIT' Option Filed
    'GMTS IRM/ADPAC TYPE RESEQUENCE' Option Filed
    'GMTS MANAGER' Option Filed
    'GMTS TASK LOCATIONS LIST' Option Filed
    'GMTS TASK STARTUP' Option Filed
    'GMTS TYPE DELETE' Option Filed
    'GMTS TYPE ENTER/EDIT' Option Filed
    'GMTS TYPE INQ' Option Filed
    'GMTS TYPE LIST' Option Filed
    'GMTS USER' Option Filed...............
    NO SECURITY-CODE PROTECTION HAS BEEN MADE

    Starting post-init action now....

    Converting SPOOL to a pointer value for Spool Device in Site Parameter file.
    SPOOL converted successfully.
    ** Installing GMPLHS routine for Problem List components. **
    Renaming GMTSPLSZ as GMPLHS.. Done.
    PCE LOCATION OF HOME Health Summary Component disabled
    PCE CLINICAL REMINDERS Health Summary Component disabled
    PCE HEALTH FACTORS SELECTED Health Summary Component disabled
    PCE HEALTH FACTORS ALL Health Summary Component disabled
    PCE OUTPATIENT ENCOUNTERS Health Summary Component disabled
    PCE MEASUREMENTS NON-TABULAR Health Summary Component disabled
    PCE IMMUNIZATIONS Health Summary Component disabled
    PCE SKIN TESTS Health Summary Component disabled
    PCE MEASUREMENTS SELECTED Health Summary Component disabled
    PCE EDUCATION Health Summary Component disabled
    PCE EDUCATION LATEST Health Summary Component disabled
    PCE OUTPATIENT DIAGNOSIS Health Summary Component disabled
    PCE EXAMS LATEST Health Summary Component disabled
    PCE TREATMENTS PROVIDED Health Summary Component disabled
    PCE CLINICAL MAINTENANCE Health Summary Component disabled
    ** Installing GMTSMCPS routine for Medicine 2.2 components. **
    Renaming GMTSMCZZ as GMTSMCPS.  Done.



    ** Installing PDX Data Segments for Health Summary Components **
       Pce Health Factors All added to VAQ - DATA SEGMENT file (#394.71).

       Pce Outpatient Encounters added to VAQ - DATA SEGMENT file (#394.71).

       Pce Measurements Non-tabular added to VAQ - DATA SEGMENT file (#394.71).

       Pce Immunizations added to VAQ - DATA SEGMENT file (#394.71).

       Pce Skin Tests added to VAQ - DATA SEGMENT file (#394.71).

       Pce Education added to VAQ - DATA SEGMENT file (#394.71).

       Pce Education Latest added to VAQ - DATA SEGMENT file (#394.71).
```

```
      Pce Outpatient Diagnosis added to VAQ - DATA SEGMENT file (#394.71).

      Pce Exams Latest added to VAQ - DATA SEGMENT file (#394.71).

      Pce Treatments Provided added to VAQ - DATA SEGMENT file (#394.71).

      Compensation And Pension Exams added to VAQ - DATA SEGMENT file (#394.71).

        Discharge Summary already exists in VAQ - DATA SEGMENT file
        Discharge Summary Brief already exists in VAQ - DATA SEGMENT file
      Mas Adt History Expanded added to VAQ - DATA SEGMENT file (#394.71).

      Medicine Abnormal Brief added to VAQ - DATA SEGMENT file (#394.71).

      Medicine Brief Report added to VAQ - DATA SEGMENT file (#394.71).

      Medicine Full Captioned added to VAQ - DATA SEGMENT file (#394.71).

      Medicine Full Report added to VAQ - DATA SEGMENT file (#394.71).

      Problem List All added to VAQ - DATA SEGMENT file (#394.71).

      Problem List Active added to VAQ - DATA SEGMENT file (#394.71).

      Problem List Inactive added to VAQ - DATA SEGMENT file (#394.71).

      Mental Health Physical Exam added to VAQ - DATA SEGMENT file (#394.71).

      Lab Electron Microscopy added to VAQ - DATA SEGMENT file (#394.71).

      Adverse Reactions/allerg Brief added to VAQ - DATA SEGMENT file (#394.71).
Done installing PDX Data Segments....


'C' cross-reference on the GMTS AD HOC OPTION type in file 142 deleted.
It will be rebuilt

Rebuilding Ad Hoc Summary....................................................
.........
Done.

This version of 'GMTSONIT' was created on 19-OCT-1995
        (at ISCSLC, by OE/RR V.2.5)


    PROTOCOL INSTALLATION

...OK, this may take a while, hold on please...................................
................................................................
'GMTS ADC' Protocol Filed
'GMTS ADR' Protocol Filed
'GMTS ADT' Protocol Filed
'GMTS BADR' Protocol Filed
'GMTS BDEM' Protocol Filed
'GMTS BDS' Protocol Filed
'GMTS BLO' Protocol Filed
'GMTS BMIC' Protocol Filed
'GMTS BPN' Protocol Filed
'GMTS BSR' Protocol Filed
'GMTS BT' Protocol Filed
'GMTS CD' Protocol Filed
'GMTS CH' Protocol Filed
'GMTS CN' Protocol Filed
```

```
'GMTS COMP DESC LIST' Protocol Filed
'GMTS COMP INQ' Protocol Filed
'GMTS COMP LIST' Protocol Filed
'GMTS CP' Protocol Filed
'GMTS CVF' Protocol Filed
'GMTS CVP' Protocol Filed
'GMTS CW' Protocol Filed
'GMTS CY' Protocol Filed
'GMTS DC' Protocol Filed
'GMTS DCS' Protocol Filed
'GMTS DD' Protocol Filed
'GMTS DEM' Protocol Filed
'GMTS DIET' Protocol Filed
'GMTS DS' Protocol Filed
'GMTS EADT' Protocol Filed
'GMTS ED' Protocol Filed
'GMTS EDL' Protocol Filed
'GMTS EM' Protocol Filed
'GMTS EXAM' Protocol Filed
'GMTS HF' Protocol Filed
'GMTS HS ADHOC' Protocol Filed
'GMTS HS BY LOC' Protocol Filed
'GMTS HS BY PATIENT' Protocol Filed
'GMTS IM' Protocol Filed
'GMTS INFO ONLY MENU' Protocol Filed
'GMTS LH' Protocol Filed
'GMTS LO' Protocol Filed
'GMTS MED' Protocol Filed
'GMTS MEDA' Protocol Filed
'GMTS MEDB' Protocol Filed
'GMTS MEDC' Protocol Filed
'GMTS MEDF' Protocol Filed
'GMTS MHPE' Protocol Filed
'GMTS MIC' Protocol Filed
'GMTS NTM' Protocol Filed
'GMTS OD' Protocol Filed
'GMTS OE' Protocol Filed
'GMTS OPC' Protocol Filed
'GMTS ORC' Protocol Filed
'GMTS PLA' Protocol Filed
'GMTS PLI' Protocol Filed
'GMTS PLL' Protocol Filed
'GMTS PN' Protocol Filed
'GMTS PRC' Protocol Filed
'GMTS RI' Protocol Filed
'GMTS RP' Protocol Filed
'GMTS RS' Protocol Filed
'GMTS RXIV' Protocol Filed
'GMTS RXOP' Protocol Filed
'GMTS RXUD' Protocol Filed
'GMTS SP' Protocol Filed
'GMTS SR' Protocol Filed
'GMTS ST' Protocol Filed
'GMTS TP' Protocol Filed
'GMTS TR' Protocol Filed
'GMTS TS' Protocol Filed
'GMTS TYPE INQUIRE' Protocol Filed
'GMTS TYPE LIST' Protocol Filed
'GMTS USER' Protocol Filed
'GMTS VS' Protocol Filed
OK, Protocol Installation is Complete.

Post-init successfully completed.

HEALTH SUMMARY VERSION 2.7 INITIALIZATION COMPLETE!
```

```
         Initialization began at: 10/21/95 09:20

     Initialization completed at: 10/21/95 09:22

       TOTAL Initialization Time: 00:01:52
```

First Time Installation Example

This section shows the terminal dialogue seen during installation of Health Summary V. 2.7 in an account with no previously installed version of Health Summary.

```
>D ^GMTSINIT

This version (#2.7) of 'GMTSINIT' was created on 19-OCT-1995
         (at ISCSLC, by VA FileMan V.21.0)

I HAVE TO RUN AN ENVIRONMENT CHECK ROUTINE.
I AM GOING TO SET UP THE FOLLOWING FILES:

   142       HEALTH SUMMARY TYPE  (including data)
I will OVERWRITE your data with mine.

   142.1     HEALTH SUMMARY COMPONENT  (including data)
I will OVERWRITE your data with mine.

   142.99    HEALTH SUMMARY PARAMETERS

NOTE: This package also contains SORT TEMPLATES

NOTE: This package also contains INPUT TEMPLATES

NOTE: This package also contains PRINT TEMPLATES

NOTE: This package also contains FUNCTIONS

NOTE: This package also contains SECURITY KEYS

NOTE: This package also contains OPTIONS


ARE YOU SURE EVERYTHING'S OK? No//    Y  (Yes)

First I need to run a pre-init....
Starting pre-init now....

Adding "GMTS" Application Group to ^DIC(60,


Adding "GMTS" Application Group to ^DIC(71,


Adding "GMTS" Application Group to ^DIC(120.51,

Pre-init successfully completed!

...HMMM, HOLD ON.............................................................
............................
'GMTS BUILD MENU' Option Filed
'GMTS COMP DESC LIST' Option Filed
'GMTS COMP INQ' Option Filed
'GMTS COMP LIST' Option Filed
'GMTS COORDINATOR' Option Filed
'GMTS ENHANCED USER' Option Filed
'GMTS HS ADHOC' Option Filed
'GMTS HS BY LOC' Option Filed
'GMTS HS BY LOC PARAMETERS' Option Filed
'GMTS HS BY PATIENT' Option Filed
'GMTS HS BY PATIENT & DATE RANG' Option Filed
```

```
     'GMTS HS BY PATIENT & VISIT' Option Filed
     'GMTS HS FOR ALL CLINICS' Option Filed
     'GMTS HS MENU' Option Filed
     'GMTS INFO ONLY MENU' Option Filed
     'GMTS IRM/ADPAC ADHOC EDIT' Option Filed
     'GMTS IRM/ADPAC ADHOC LOAD' Option Filed
     'GMTS IRM/ADPAC COMP EDIT' Option Filed
     'GMTS IRM/ADPAC ENABLE/DISABLE' Option Filed
     'GMTS IRM/ADPAC MAINT MENU' Option Filed
     'GMTS IRM/ADPAC PARAMETER EDIT' Option Filed
     'GMTS IRM/ADPAC TYPE RESEQUENCE' Option Filed
     'GMTS MANAGER' Option Filed
     'GMTS TASK LOCATIONS LIST' Option Filed
     'GMTS TASK STARTUP' Option Filed
     'GMTS TYPE DELETE' Option Filed
     'GMTS TYPE ENTER/EDIT' Option Filed
     'GMTS TYPE INQ' Option Filed
     'GMTS TYPE LIST' Option Filed
     'GMTS USER' Option Filed..............
    NOTE THAT FILE SECURITY-CODE PROTECTION HAS BEEN MADE

    Starting post-init action now....
    ** Installing GMPLHS routine for Problem List components. **
    Renaming GMTSPLSZ as GMPLHS..  Done.
    PCE LOCATION OF HOME Health Summary Component disabled
    PCE CLINICAL REMINDERS Health Summary Component disabled
    PCE HEALTH FACTORS SELECTED Health Summary Component disabled
    PCE HEALTH FACTORS ALL Health Summary Component disabled
    PCE OUTPATIENT ENCOUNTERS Health Summary Component disabled
    PCE MEASUREMENTS NON-TABULAR Health Summary Component disabled
    PCE IMMUNIZATIONS Health Summary Component disabled
    PCE SKIN TESTS Health Summary Component disabled
    PCE MEASUREMENTS SELECTED Health Summary Component disabled
    PCE EDUCATION Health Summary Component disabled
    PCE EDUCATION LATEST Health Summary Component disabled
    PCE OUTPATIENT DIAGNOSIS Health Summary Component disabled
    PCE EXAMS LATEST Health Summary Component disabled
    PCE TREATMENTS PROVIDED Health Summary Component disabled
    PCE CLINICAL MAINTENANCE Health Summary Component disabled
    ** Installing GMTSMCPS routine for Medicine 2.2 components. **
    Renaming GMTSMCZZ as GMTSMCPS.  Done.




    ** Installing PDX Data Segments for Health Summary Components **
       Pce Health Factors All added to VAQ - DATA SEGMENT file (#394.71).

       Pce Outpatient Encounters added to VAQ - DATA SEGMENT file (#394.71).

       Pce Measurements Non-tabular added to VAQ - DATA SEGMENT file (#394.71).

       Pce Immunizations added to VAQ - DATA SEGMENT file (#394.71).

       Pce Skin Tests added to VAQ - DATA SEGMENT file (#394.71).

       Pce Education added to VAQ - DATA SEGMENT file (#394.71).

       Pce Education Latest added to VAQ - DATA SEGMENT file (#394.71).

       Pce Outpatient Diagnosis added to VAQ - DATA SEGMENT file (#394.71).

       Pce Exams Latest added to VAQ - DATA SEGMENT file (#394.71).

       Pce Treatments Provided added to VAQ - DATA SEGMENT file (#394.71).
```

```
        Compensation And Pension Exams added to VAQ - DATA SEGMENT file (#394.71).

        Discharge Summary added to VAQ - DATA SEGMENT file (#394.71).

        Discharge Summary Brief added to VAQ - DATA SEGMENT file (#394.71).

        Mas Adt History Expanded added to VAQ - DATA SEGMENT file (#394.71).

        Medicine Abnormal Brief added to VAQ - DATA SEGMENT file (#394.71).

        Medicine Brief Report added to VAQ - DATA SEGMENT file (#394.71).

        Medicine Full Captioned added to VAQ - DATA SEGMENT file (#394.71).

        Medicine Full Report added to VAQ - DATA SEGMENT file (#394.71).

        Problem List All added to VAQ - DATA SEGMENT file (#394.71).

        Problem List Active added to VAQ - DATA SEGMENT file (#394.71).

        Problem List Inactive added to VAQ - DATA SEGMENT file (#394.71).

        Mental Health Physical Exam added to VAQ - DATA SEGMENT file (#394.71).

        Lab Electron Microscopy added to VAQ - DATA SEGMENT file (#394.71).

        Adverse Reactions/allerg Brief added to VAQ - DATA SEGMENT file (#394.71).

Done installing PDX Data Segments....

'C' cross-reference on the GMTS AD HOC OPTION type in file 142 deleted.
It will be rebuilt

Rebuilding Ad Hoc Summary....................................................
Done.

This version of 'GMTSONIT' was created on 19-OCT-1995
         (at ISCSLC, by OE/RR V.2.5)


    PROTOCOL INSTALLATION
...OK, this may take a while, hold on please..................................
.................................................................
'GMTS ADC' Protocol Filed
'GMTS ADR' Protocol Filed
'GMTS ADT' Protocol Filed
'GMTS BADR' Protocol Filed
'GMTS BDEM' Protocol Filed
'GMTS BDS' Protocol Filed
'GMTS BLO' Protocol Filed
'GMTS BMIC' Protocol Filed
'GMTS BPN' Protocol Filed
'GMTS BSR' Protocol Filed
'GMTS BT' Protocol Filed
'GMTS CD' Protocol Filed
'GMTS CH' Protocol Filed
'GMTS CN' Protocol Filed
'GMTS COMP DESC LIST' Protocol Filed
'GMTS COMP INQ' Protocol Filed
'GMTS COMP LIST' Protocol Filed
'GMTS CP' Protocol Filed
'GMTS CVF' Protocol Filed
'GMTS CVP' Protocol Filed
'GMTS CW' Protocol Filed
'GMTS CY' Protocol Filed
```

```
 'GMTS DC' Protocol Filed
 'GMTS DCS' Protocol Filed
 'GMTS DD' Protocol Filed
 'GMTS DEM' Protocol Filed
 'GMTS DIET' Protocol Filed
 'GMTS DS' Protocol Filed
 'GMTS EADT' Protocol Filed
 'GMTS ED' Protocol Filed
 'GMTS EDL' Protocol Filed
 'GMTS EM' Protocol Filed
 'GMTS EXAM' Protocol Filed
 'GMTS HF' Protocol Filed
 'GMTS HS ADHOC' Protocol Filed
   GMTS HS ADHOC added as item to OR OE/RR MENU CLINICIAN.
   GMTS HS ADHOC added as item to OR OE/RR MENU NURSE.
   GMTS HS ADHOC added as item to OR OE/RR MENU WARD CLERK.
 'GMTS HS BY LOC' Protocol Filed
 'GMTS HS BY PATIENT' Protocol Filed
 'GMTS IM' Protocol Filed
 'GMTS INFO ONLY MENU' Protocol Filed
   GMTS COMP DESC LIST added as item to GMTS INFO ONLY MENU.
   GMTS COMP INQ added as item to GMTS INFO ONLY MENU.
   GMTS COMP LIST added as item to GMTS INFO ONLY MENU.
   GMTS TYPE INQUIRE added as item to GMTS INFO ONLY MENU.
   GMTS TYPE LIST added as item to GMTS INFO ONLY MENU.
 'GMTS LH' Protocol Filed
 'GMTS LO' Protocol Filed
 'GMTS MED' Protocol Filed
 'GMTS MEDA' Protocol Filed
 'GMTS MEDB' Protocol Filed
 'GMTS MEDC' Protocol Filed
 'GMTS MEDF' Protocol Filed
 'GMTS MHPE' Protocol Filed
 'GMTS MIC' Protocol Filed
 'GMTS NTM' Protocol Filed
 'GMTS OD' Protocol Filed
 'GMTS OE' Protocol Filed
 'GMTS OPC' Protocol Filed
 'GMTS ORC' Protocol Filed
 'GMTS PLA' Protocol Filed
 'GMTS PLI' Protocol Filed
 'GMTS PLL' Protocol Filed
 'GMTS PN' Protocol Filed
 'GMTS PRC' Protocol Filed
 'GMTS RI' Protocol Filed
 'GMTS RP' Protocol Filed
 'GMTS RS' Protocol Filed
 'GMTS RXIV' Protocol Filed
 'GMTS RXOP' Protocol Filed
 'GMTS RXUD' Protocol Filed
 'GMTS SP' Protocol Filed
 'GMTS SR' Protocol Filed
 'GMTS ST' Protocol Filed
 'GMTS TP' Protocol Filed
 'GMTS TR' Protocol Filed
 'GMTS TS' Protocol Filed
 'GMTS TYPE INQUIRE' Protocol Filed
 'GMTS TYPE LIST' Protocol Filed
 'GMTS USER' Protocol Filed
   GMTS HS ADHOC added as item to GMTS USER.
   GMTS HS BY LOC added as item to GMTS USER.
   GMTS HS BY PATIENT added as item to GMTS USER.
   GMTS INFO ONLY MENU added as item to GMTS USER.
 'GMTS VS' Protocol Filed
 OK, Protocol Installation is Complete.
```

```
 Post-init successfully completed.

HEALTH SUMMARY VERSION 2.7 INITIALIZATION COMPLETE!

        Initialization began at: 09/10/95 13:54

    Initialization completed at: 09/10/95 13:55

      TOTAL Initialization Time: 00:01:06
>
```

Setting up Health Summary

1. **Security Key Assignment**

   The GMTSMGR security key allows holders to override the LOCK and OWNER access restrictions for editing health summary types. The IRM Chief and Health Summary Coordinators are likely key holders.

   This security key allows the holder to edit general usage health summary types which are locked with the GMTSMGR key. It also provides master edit access to all other health summary types.

   The GMTS VIEW ONLY Security Key allows holders to view a health summary on the CRT. Holders may use all the familiar Health Summary options but will not be prompted for a device for printing paper copies of the health summary.

2. **Menu Assignment**

   a. If IRM staff members or the Clinical Coordinator need access to all menus, give them the Health Summary Overall Menu [GMTS MANAGER] rather than assigning each menu option separately.

   b. Give the Health Summary Menu [GMTS USER] menu to users who only need to print or display health summaries.

   c. Give the Health Summary Enhanced Menu [GMTS ENHANCED USER] menu to users who need to create, modify, or delete their own health summary types, in addition to printing health summaries.

   d. Give the Health Summary Coordinator's Menu [GMTS COORDINATOR] menu to users who need to print or display health summaries, and who will also need to create, modify, or delete health summary types, and set up nightly batch printing at specified locations.

   e. Give the Health Summary Maintenance Menu [GMTS IRM/ADPAC MAINT MENU] to IRM staff or the Clinical Coordinator for any implementation and maintenance issues in Health Summary. This menu contains options to disable/enable health summary components for selection/display, create/modify new health

summary components, edit and rebuild the Ad Hoc Health Summary Type, resequence the components in a health summary type, create/modify a health summary type, delete a health summary type, and edit health summary site parameters.

3. **Disable/Enable Health Summary Components**

   a. Disable

   Disable those Health Summary components that you don't intend to use. Confer with your coordinator and use the Component Checklist in Appendix A or print a list using the List Health Summary Components [GMTS COMP LIST] option to help you determine which components may need disabling. Use the List Health Summary Component Descriptions [GMTS COMP DESC LIST] option to print a full description of the contents of each component, if necessary, and then use the Disable/Enable Health Summary Components [GMTS IRM/ADPAC ENABLE/DISABLE] option to disable the components.

   When disabling a component, you have the choice of temporarily or permanently disabling it. When a component is permanently disabled, a user doesn't know of its existence, because it is not displayed during user interaction or in printouts. A component that is temporarily disabled is non-selectable but is displayed to the user with a helpful message.

   Example

   ```
   Select Health Summary Maintenance Menu Option:     Disable/Enable Health Summary
   Component

   Select COMPONENT:  PROBLEM LIST ACTIVE
   DISABLE FLAG:  ??
        IRM Staff or Clin Coordinator:  Use this field to disable (inactivate)
        a health summary component (e.g., Lab Orders).  Setting this DISABLE
        FLAG field to P(ermanent) causes a component to be non-selectable for
        use,and prevents the component from being printed in any Health
        Summary in which it is included.Setting DISABLE FLAG to T(emporary)
        causes a component to be non-selectable for use, but its OUT OF ORDER
        MESSAGE will appear in any Health Summary in which it is included.

        Use the at-sign (@) at the DISABLE FLAG: permanent (or temporary)//
        prompt, to enable the component for use.
        Choose from:
          T         temporary
          P         permanent
   DISABLE FLAG:  T
   OUT OF ORDER MESSAGE:   ??
        This field is used when a health summary component is temporarily
        disabled. If it is filled in, the message here will be displayed
        whenever the user attempts to select the component
   OUT OF ORDER MESSAGE:   This component is temporarily disabled.
   ```

Enter "@" at the DISABLE FLAG prompt to delete a permanent or temporary disable flag.

  b. Enable

Use the Disable/Enable Health Summary Components [GMTS IRM/ADPAC ENABLE/DISABLE] option to enable any disabled components you plan to use.

If you've enabled or disabled any components, use the Rebuild Ad Hoc Health Summary Type [GMTS IRM/ADPAC ADHOC LOAD] option in the Health Summary Maintenance Menu [GMTS IRM/ADPAC MAINT MENU] option, so that components you have disabled won't be selectable by users.

NOTE: Whenever your site creates or modifies components run the Rebuild Ad Hoc Health Summary Type [GMTS IRM/ADPAC ADHOC LOAD] option to rebuild the Ad Hoc Health Summary type so that it will include all new and modified components.

Example

```
Select Health Summary Maintenance Menu Option:     Rebuild Ad Hoc Health Summary
Type
This option rebuilds the Ad Hoc Health Summary to include ALL components
alphabetized by name.  If you wish, you may exclude DISABLED components.

Do you wish to continue? NO//  Y  YES
Should DISABLED components be included? YES//     <RET>
Rebuilding Ad Hoc Summary.................................................
Done.
```

4. Review site parameters

Use the Edit Health Summary Site Parameters option in the Health Summary Maintenance Menu [GMTS IRM/ADPAC MAINT MENU] to review and set up the site parameters. These parameters allow you to:

♦ Print an Outpatient Pharmacy Action Profile in tandem with a health summary printing.

♦ Print bar codes when Action Profiles are printed.

♦ Present Lab comments at display or the !! symbol indicating comments are available for the Lab Chemistry and Hematology, the Lab Cumulative Selected, and the Lab Tests Selected components.

♦ Specify a spool device where PDX requests will be stored.

Example

```
Select Health Summary Maintenance Menu Option:   7  Edit Health Summary Site
Parameters
Select HEALTH SUMMARY PARAMETERS:   ?
 ANSWER WITH HEALTH SUMMARY PARAMETERS NAME:
   HOSPITAL
       YOU MAY ENTER A NEW HEALTH SUMMARY PARAMETERS, IF YOU WISH
       NAME MUST BE HOSPITAL
Select HEALTH SUMMARY PARAMETERS:   HOSPITAL
PROMPT FOR ACTION PROFILE: YES//   ??
       If this parameter is set to   Y or YES, the user will be prompted to
       include the Outpatient Pharmacy Action Profile when printing Health
       Summaries by location (both interactive and batch mode)     and by patient.
       CHOOSE FROM:
          Y        yes
          N        no
PROMPT FOR ACTION PROFILE: YES//   Y  YES
INCLUDE BAR CODES ON ACTION PROFILES:   ?
       Enter YES to include bar cod   es when Action Profiles are printed by
       Health Summary.
       Choose from:
          Y        yes
          N        no
INCLUDE BAR CODES ON ACTION PROFILES: YES//   <RET>   YES
INCLUDE COMMENTS FOR LABS: YES//   ??
       If this parameter is set to   Y or YES, the Chemistry & Hematology   , the
       Lab Tests Selected, and the Lab Cumulative Selected components will
       present comments  for results. For the Chemistry & Hematology and the
       Lab Tests Selected components, the comments will be displayed
       immediately following the results. For the     Lab Cumulative Selected
       components, a lower-case letter will be displayed to the left of the
       date for entries with comments. Comments will be displayed after all
       the results are displayed, with the comments linked by the lower-case
       letter. Up to 26 comments can be included.

       If blank, N or NO, the Chemistry & Hematology and the Lab Tests
       component s will present the symbol "!!" next to tests which include
       comments, and a footnote referring the user to the Lab Interim     Report.
       CHOOSE FROM:
          Y         yes
          N         no
INCLUDE COMMENTS FOR LABS: YES//   <RET>  YES
SPOOL DEVICE: SPOOL//   ??
       This is the SPOOL DEVICE to which Health Summary output can be directed
       during a PDX request for one or more Health Summary components.
Choose from:
       SPOOL          SPOOL TO VMS          DSAB:[MUMPS,DEVMGR]

SPOOL DEVICE:  SPOOL
Select HEALTH SUMMARY PARAMETERS:   <RET>
```

5. Customize the Ad Hoc Health Summary type

You may customize this health summary type by modifying time and occurrence limits, assigning Selection Items (tests like WBC, Glucose) to the selected Health Summary components (Lab Cumulative Selected, Lab Cumulative Selected 1-4, Lab Tests Selected, Vital Signs Selected, Radiology Impression Selected, PCE Health Factors Selected, and PCE Measurements Selected), or entering Header Names for components.

The Problem List components and some of the new PCE components give you the option of determining if the hospital location should be displayed, if ICD text should be long, short, code, or none, and if provider narrative should be displayed.

To help you customize Health Summary components, an *example* of some Selection Item assignments and the dialogue is shown here.

You may select individual components and edit their default parameters, or use the ^LOOP feature at the Select COMPONENT: prompt to loop through all of the components, editing the default values as you go.

NOTE: When selecting components from the Ad Hoc Health Summary menu, entering "ALL" allows all components to be selected. If the first three characters of a HEADER NAME for a component are designated as "All," however, then only the defined component will be selected. Avoid conflicts and loss of functionality by not using "all" at the front of new header names.

Example:

```
Select Health Summary Maintenance Menu Option:      Edit Ad Hoc Health Summary Type

Edit Ad Hoc Health Summary Type

>>> EDITING the GMTS HS ADHOC OPTION Health Summary Type
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA:

Do you wish to review the Summary Type structure before continuing? NO//        <RET>
Select COMPONENT: PROB
     1    PROBLEM LIST ACTIVE            PLA
     2    PROBLEM LIST ALL               PLL
     3    PROBLEM LIST INACTIVE          PLI
CHOOSE 1-3: 1
SUMMARY ORDER: 5//   <RET> 5
ICD TEXT DISPLAYED:   ??
     This field controls how ICD text is displayed in components where ICD
     Text applies (e.g., PCE Outpatient Encounters, PCE Outpatient Diagnosis
     and Problem List All). The applicable component display/print can be
     customized to include ICD Text in the following format: code and long
     description, code and short description, code only, long description only
     or nothing. This control is independent of whether provider narrative is
     displayed -- either or both may be specified.
```

```
        Choose from:
          L        long text
          S        short text
          C        code only
          T        text only
          N        none
ICD TEXT DISPLAYED:  S  short text
PROVIDER NARRATIVE DISPLAYED:   ??
     This field controls whether provider narrative is displayed or not. It
     applies to components where provider narrative is applicable (e.g., PCE
     Outpatient Encounters, PCE Outpatient Diagnosis, Problem List All). This
     control is independent of whether or not ICD text is displayed -- either
     or both may be specified. If not specified, provider narrative will be
     displayed by default.
     Choose from:
       Y        yes
       N        no
PROVIDER NARRATIVE DISPLAYED:   Y  yes
HEADER NAME: Active Problems//    <RET>

Do you wish to review the Summary Type structure before continuing? NO//    YES
                    HEALTH SUMMARY TYPE INQUIRY

        Type Name:  GMTS HS ADHOC OPTION
            Title:  Ad Hoc Health Summary Type
            Owner:                        LOCK:  GMTSMGR
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA:

                                   Max         Hosp  ICD   Prov
Abb.  Order   Component Name       Occ  Time   Loc   Text  Narr  Selection
-----------------------------------------------------------------------------
PLA   5       Active Problems                        short yes




              * = Disabled Components
Select COMPONENT: <RET>
```

6. Schedule batch printing

Use the Schedule/Unschedule option on the Task Manager menu to schedule the GMTS TASK STARTUP option for batch printing. Identify the date and time you want this option to be started.

The Health Summary package allows coordinators to schedule nightly batch processing of health summaries for patients in a particular ward, patients in outpatient clinics, or patients scheduled for operating room surgeries the following day or up to ten days ahead. The advantages of Batch processing are 1) it enables the clinic to have the most current clinical information available when the patient arrives for the appointment, and 2) processing can take place in non-peak computer hours.

Example

```
Select TaskManager Option:  SCHedule/Unschedule      Task Manager Tasks
Select OPTION to schedule or reschedule:      GMTS TASK STARTUP      Startup Task
 for nightly batch printing
        ...OK? Yes// < RET>  (Yes)


                        Edit Option Schedule
   Option Name:  GMTS TASK STARTUP
   Menu Text: Startup Task for nightly batch p        TASK ID:
 _____

  QUEUED TO RUN AT WHAT TIME:    OCT 2,1995@22:00

DEVICE FOR QUEUED JOB OUTPUT:    LASER-8;P-LN03.12.8;80;60

 QUEUED TO RUN ON VOLUME SET:

     RESCHEDULING FREQUENCY: 1D

           TASK PARAMETERS:

           SPECIAL QUEUEING:

 _____
Exit     Save     Next Page     Refresh

Enter a command or '^' followed by a caption to jump to a specific field.


COMMAND:  S                              Press <PF1>H for help
Select OPTION to schedule or reschedule:      <RET>
```

7. Set up Batch Print Location

Use the Set-up Batch Print Location [GMTS HS BY LOC PARAMETERS] option to assign Health Summary types so that they coincide with the batch prints required for all patients at a specific hospital location.

This option lets you set, edit, or delete parameters that will be used to print batches of health summaries of a specific type, in a particular hospital location. Only one set of parameters exists for a particular location and patient.

Example

```
Select Health Summary Coordinator's Menu Option:    4   Set-up Batch Print Location

Select Hospital Location:   1A

Select Health Summary Type:    SAMPLE 1

Do you wish to review the Summary Type structure before continuing? NO//        <RET>

DEVICE FOR NIGHTLY PRINT:   ?
     Specify the printer nearest LOCATION.
 Answer with DEVICE NAME, or LOCAL SYNONYM, or $I, or VOLUME SET(CPU), or
     SIGN-ON/SYSTEM DEVICE, or FORM CURRENTLY MOUNTED
 Do you want the entire DEVICE List?    N  (No)
DEVICE FOR NIGHTLY PRINT: LASER

PRINT ACTION PROFILE:   NO//  <RET>
PRINT DAYS AHEAD:  2//    <RET>
```

RELEASE NOTES

Release Notes

New components which display information gathered by the Patient Care Encounter (PCE) package

- ♦ Clinical Maintenance
- ♦ Clinical Reminders
- ♦ Education
- ♦ Education Latest
- ♦ Exams latest
- ♦ Health Factors
- ♦ Health Factors Select
- ♦ Immunizations
- ♦ Location of Home
- ♦ Measurement Selected
- ♦ Non-Tabular Measurements
- ♦ Outpatient Diagnosis
- ♦ Outpatient Encounter
- ♦ Skin Tests
- ♦ Treatments Provided

Other new components included in Health Summary V. 2.7

- ♦ Electron Microscopy component
- ♦ Four new Medicine components for Medicine V. 2.2 (E3R#s 581, 694, and 4545,)
- ♦ A Mental Health physical exam component
- ♦ Compensation & Pension Exam component (E3R# 983)
- ♦ Expanded ADT History Component that consolidates into one component the D/C Diagnosis, Procedures, LOS, Treating Specialty, and Transfer information (E3R# 814)
- ♦ Brief Adverse Reaction/Allergy component

New Features

- ♦ An option has been added, Range of Dates Patient Health Summary, that allows data to be printed for a given date range. Users can select the beginning or ending date and a Health Summary type. For components within the Health Summary type that allow time limits, only data within the date range chosen by the user will be seen. (E3R# 4502)

- ♦ An option has been added, Visit Patient Health Summary, that allows the data to be printed for the date of a given outpatient visit or date range for a given inpatient visit.

- ♦ An option has been added, Batch Print of All Clinics by Visit Date, to interactively print Health Summary types and clinics defined by the Hospital Location parameters. Users can choose the date of the clinics and specify when to queue the print. (E3R# 862)

♦ The nightly batch job has been enhanced to recognize non-workdays (weekends and holidays). Data will not be printed out on non-workdays. For example, if you want a Health Summary type printed out for Monday clinics one day in advance, it will now print on the previous Friday rather than on Sunday. (E3R#s 1799 and 4213)

♦ The Dietetic component now includes Dietetic Encounters. (E3R#s 763 and 765)

♦ A site parameter has been added to allow sites to specify whether or not to print bar codes on Action Profiles which are queued to print with Health Summaries (dependent on whether the desired printer is set up to print bar codes). (E3R# 5778, NOIS# NOP-1294-10102)

♦ Users can now print Action Profiles in tandem with Health Summary, by patient, as well as by clinic or location. (E3R# 6568)

♦ The Radiology components have been modified to print only Radiology impressions that have been verified. (E3R# 5880, NOIS# BRX-1194-10351)

♦ The Problem List components have been enhanced to display problems in the same order as in the Problem List package. These components will also include the Comment field and sites may specify the format for ICD9 text and Provider Narrative. (E3R#s 5546 and 6004)

♦ The Microbiology component has been expanded to include comments, AFB smear results, test names, and smear/prep results. (E3R#s 4069, 5480, and 6394)

♦ When no data is available for components that allow for the selection of certain types of data, the "No Data Available" message will now specify the selection items also. (E3R# 4313)

♦ Users can now select multiple locations to queue to print at the same time for the Hospital Location option. (E3R# 1244)

♦ The MAS Admission/Discharge component now includes Scheduled Admissions. (E3R# 1283)

♦ When no data is available for a component in a Health Summary type, the Health Summary Type can now be set up to suppress the "No Data Available" message and component header for printed (but not displayed) health summaries. (E3R# 1729)

♦ The Outpatient Pharmacy component has been enhanced to display only active medications. This can be done by excluding the time limit for the component. (E3R#s 2565 and 3860)

♦ Users can now pick multiple patients prior to printing a Health Summary type. (E3R# 4928)

♦ The Lab Cum Selected Components results will now be displayed according to the print code that is set up for a particular test result, to be consistent with the way results are displayed in the Lab package. (E3R# 5424)

♦ Word-wrap problems with the Progress Notes component have been corrected, to allow "full-screen" display. (NOIS#s TOM-0795-42380 and LOU-1293-30053)

♦ The wording for a prompt in the Ad Hoc Health Summary was changed to make it easier for users to understand how to change occurrence limits, time limits or add items. (E3R# 6522)

Old wording:
Select Additional or Existing COMPONENT(S) to ADD or EDIT:
New wording:
Select COMPONENT(S) to EDIT or other COMPONENT(S) to ADD:

♦ An API—MAIN^GMTSADOR—was created to allow programmers to define components and defaults through the Ad Hoc menu interface and print health summaries for a programmer-specified patient and device. Use of this API by other packages requires a Database Integration Agreement. (E3R# 6734)

♦ Display of Lab components was changed back to the way it was in Health Summary V. 1.2, to base occurrence limits on total number of occurrences rather than on each atomic test of a panel. (NOIS# MAD-0494-40110 and E3R# 0293)

NOTE: Other issues and problems identified in NOIS calls (BIL-0895-31476, MAC-0795-60037, MAD-0695-40375, BOI-0595-50198, TOG-10186-30068, REN-0495-60020, AMA-0395-70286, and AUG-0595-30068) have also been resolved with this version of Health Summary (these are mostly technical bugs that have been fixed).

Changes to Files

New fields

Health Summary Type File (#142)
♦ .08   SUPPRESS COMP WITHOUT DATA
Three new fields in the STRUCTURE multiple field (*#142.01*):
♦ 6   HOSPITAL LOCATION DISPLAYED
♦ 7   ICD TEXT DISPLAYED
♦ 8   PROVIDER NARRATIVE DISPLAYED
Health Summary Component File (#142.1)
♦ 10   HOSPITAL LOCATION APPLICABLE
♦ 11   ICD TEXT APPLICABLE
♦ 12   PROVIDER NARRATIVE APPLICABLE
Health Summary PARAMETERS File (#142.99)
♦ .05   INCLUDE BAR CODES ON ACT PROF

Fields deleted

from the Health Summary Type file (#142).
    2   ICD TEXT DISPLAYED
    3   PROVIDER NARRATIVE
    4   MEASUREMENT PANEL
    5   LAB TEST PANEL
    6   SURVEILLANCE PANEL

Fields Modified

Health Summary PARAMETERS File (#142.99)
♦ .02   PROMPT FOR ACTION PROFILE
♦ .03   INCLUDE COMMENTS FOR LABS
♦ .04   SPOOL DEVICE
♦ .05   INCLUDE BAR CODES ON ACT PROF

Appendices

Appendix A — Component Checklist

Indicate in the left column the version number of the package you have on your system. Check the components you will use in the right column.

Package Data Comes From	Version	*Component in Health Summary*
Allergy Tracking System	_____	_____ Adverse Reactions/Allergies _____ Adverse Reactions/Allergies Brief
Automated Medical Information Exchange (AMIE)	_____	_____ Compensation and Pension Exams
Dietetics	_____	_____ Dietetics
Discharge Summary	_____	_____ Discharge Summary _____ Discharge Summary Brief
LAB	_____	_____ Lab Blood Availability _____ Lab Blood Transfusions _____ Lab Chemistry & Hematology _____ Lab Cumulative Selected _____ Lab Cumulative Selected 1 _____ Lab Cumulative Selected 2 _____ Lab Cumulative Selected 3 _____ Lab Cumulative Selected 4 _____ Lab Cytopathology _____ Lab Electron Microscopy _____ Lab Microbiology _____ Lab Microbiology Brief _____ Lab Orders _____ Lab Orders Brief _____ Lab Surgical Pathology _____ Lab Tests Selected
Medicine	_____	_____ Medicine Summary _____ Medicine Abnormal Brief _____ Medicine Brief Report _____ Medicine Full Captioned _____ Medicine Full Report
Mental Health	_____	_____ Mental Health Physical Exam _____ Progress Notes *(also checks Generic Progress Notes)* _____ Progress Notes Brief *(also checks Generic Progress Notes)*
Nursing	_____	_____ Vital Signs _____ Vital Signs Selected

Package Data Comes From	Version	_Component in Health Summary_
OE/RR Version	_____	_____ Orders Current
Patient Care Encounter (PCE)	_____	_____ PCE Clinical Maintenance
		_____ PCE Clinical Reminders
		_____ PCE Education
		_____ PCE Education Latest
		_____ PCE Exams Latest
		_____ PCE Health Factors All
		_____ PCE Health Factors Selected
		_____ PCE Immunizations
		_____ PCE Location of Home
		_____ PCE Measurements Non-Tabular
		_____ PCE Measurements Selected
		_____ PCE Outpatient Diagnosis
		_____ PCE Outpatient Encounters
		_____ PCE Skin Tests
		_____ PCE Treatments Provided
PIMS	_____	_____ MAS Admissions/Discharges
		_____ MAS ADT History
		_____ MAS ADT History Expanded
		_____ MAS Clinic Visits Future
		_____ MAS Clinic Visits Past
		_____ MAS Demographics
		_____ MAS Demographics Brief
		_____ MAS Disabilities
		_____ MAS Discharge Diagnosis
		_____ MAS Discharges
		_____ MAS Procedures ICD Codes
		_____ MAS Surgeries ICD Codes
		_____ MAS Transfers
		_____ MAS Treating Specialty
Pharmacy	_____	_____ Pharmacy Intravenous
		_____ Pharmacy Outpatient
		_____ Pharmacy Unit Dose
Problem List		_____ Problem List Active
		_____ Problem List All
		_____ Problem List Inactive

**Package Data Comes From**	**Version**	_**Component in Health Summary**_
Progress Notes	_____	_____Advance Directive
		_____Clinical Warnings
		_____Crisis Notes
		_____Progress Notes _(also checks Mental Health)_
		_____Progress Notes Brief _(also checks Mental Health)_
Radiology	_____	_____Radiology Impression
		_____Radiology Impression Selected
		_____Radiology Profile
		_____Radiology Status
Surgery	_____	_____Surgery Reports
		_____Surgery Reports Brief

Appendix B — Post-init Matrix

The following table describes what the post-init (GMTSPOST) does for each package depending on the status of the package.

If a DHCP package is installed after Health Summary V. 2.7 is installed, see the instructions following the table.

Package	GMTSPOST (Post init)	Update Condition	Automatic Disable Condition
AMIE			If $$VERSION^XPDUTL("DVBA")<2.7 Disable: Compensation and Pension Exams
Dietetics			If routine FHWHEA doesn't exist Disable: Dietetics
Discharge Summary			If $D(^GMR(128))<10 Disable: Discharge Summary Discharge Summary Brief
Health Summary	Converts Spool Device Name Text to pointer in File 3.5. Converts Y/N fields in File 142.99. Delete 'C' Cross-reference on the GMTS AD HOC OPTION type in File 142. Update AD HOC SUMMARY Type. Install Health Summary protocols.	If the field = 1 it is converted to a "Y" If the field = 0 it is converted to a NULL	
Inpatient Medications			If routine PSJEEU0 doesn't exist Disable: Pharmacy Intravenous Pharmacy Unit Dose
Lab			If $$VERSION^XPDUTL("LR")<5.1 Disable: Lab Blood Availability Lab Blood Transfusions Lab Chemistry & Hematology Lab Cumulative Selected Lab Cumulative Selected 1 Lab Cumulative Selected 2 Lab Cumulative Selected 3 Lab Cumulative Selected 4 Lab Cytopathology Lab Electron Microscopy Lab Microbiology

Package	GMTSPOST (Post init)	Update Condition	Automatic Disable Condition
Lab (cont'd)			Lab Microbiology Brief Lab Orders Lab Orders Brief Lab Surgical Pathology Lab Tests Selected
Medicine	Copy GMTSMCZZ to GMTSMCPS Copy GMTSMCPZ to GMTSMCPS	If Version >2.19 If Version <2.2	If $$VERSION^XPDUTL("MC")<2.2 Disable: Medicine Abnormal Brief Medicine Brief Report Medicine Full Captioned Medicine Full Report
Mental Health			If $$VERSION^XPDUTL("YS")<5 D Disable: Mental Health Physical Exam
Nursing (Vital Measurements)			If routine GMRVUT0 doesn't exist Disable: Vital Signs Vital Signs Selected
OE/RR			If routine ORF4 doesn't exist Disable: Orders Current
Outpatient Pharmacy	Copy GMTSPSZO to GMTSPSO	If Version < 6.0	If routine PSOHCSUM doesn't exist Disable: Pharmacy Outpatient
Patient Care Encounter (PCE)			If $$VERSION^XPDUTL("PX")'>0, Disable: PCE Location of Home PCE Clinical Reminders PCE Health Factors All PCE Health Factors Selected PCE Outpatient Encounters PCE Measurement Non-tabular PCE Immunizations PCE Skin Tests PCE Measurement Selected PCE Education PCE Education Latest PCE Outpatient Diagnosis PCE Exams Latest PCE Treatments Provided PCE Clinical Maintenance

Package	GMTSPOST (Post init)	Update Condition	Automatic Disable Condition
Patient Data Exchange	Install all new components (minus selected item components) into the VAQ-Data Segment File (#394.71) so sites can make PDX requests for these new components	If $$Version ^XPDUTL("VAQ") >1.49 If routine VAQUTL40 doesn't exist Copy GMTSPDXZ to VAQUTL50	
Problem List	Copy GMTSPLSZ to GMPLHS	If Version > 1.99	If $$VERSION^XPDUTL("GMPL")<2 Disable: Problem List Active Problem List Inactive Problem List All
Progress Notes (Mental Health & Generic) Crisis Notes Clinical Warnings Advance Directives			If ($D(^YSP(606))<10), ($D(^GMR(121))<10) Disable: Progress Notes Progress Notes Brief If $D(GMR(121))<10 Disable: Advance Directive Clinical Warnings Crisis Notes
Radiology			If $$VERSION^XPDUTL("RA")<3 Disable: Radiology Impression Selected Radiology Profile Radiology Status
Surgery			If $D(^SRF)<10 Disable: Surgery Reports Surgery Reports Brief

Post-init instructions if a package is installed at a later date

♦ If Outpatient Pharmacy Version 6.0 is installed over Version 5.6, the GMTSPSO routine must be restored from the distributed VMS file containing Health Summary V. 2.7.

♦ If Medicine Version 2.2 is installed, execute the MED^GMTSPOS1 entry point to install the GMTSMCPS routine (D MED^GMTSPOS1).

♦ If Problem List Version 2.0 is installed, execute the PL^GMTSPOS1 entry point to install the GMPLHS routine (D PL^GMTSPOS1). The GMTSPLST routine must be restored from the distributed VMS file that contains the routines and inits because the Problem List post-inits install these components. Health Summary Version 2.7 updates these components.

♦ Once you complete the necessary steps above, use the Disable/Enable Health Summary Component option on the Health Summary Maintenance menu to enable the components for the newly installed package