# OSEHRA

#### VistA Internationalization Project Short Summary

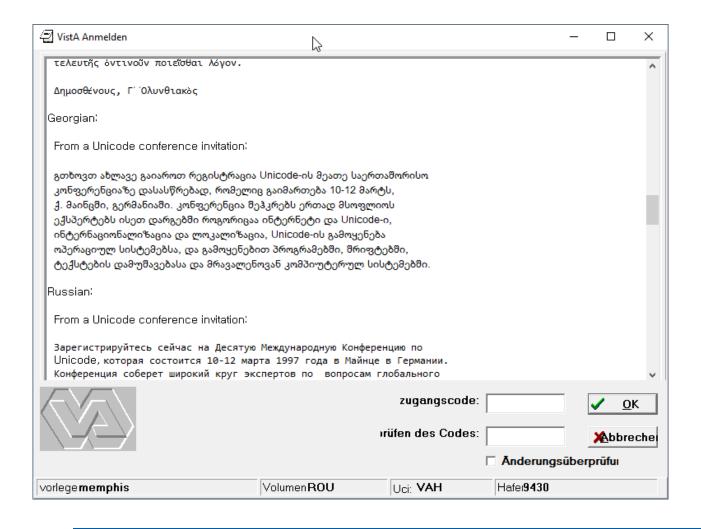
By Sam Habiel, PharmD
Technical Fellow at OSEHRA

10 July 2019

# **Objectives of Project**

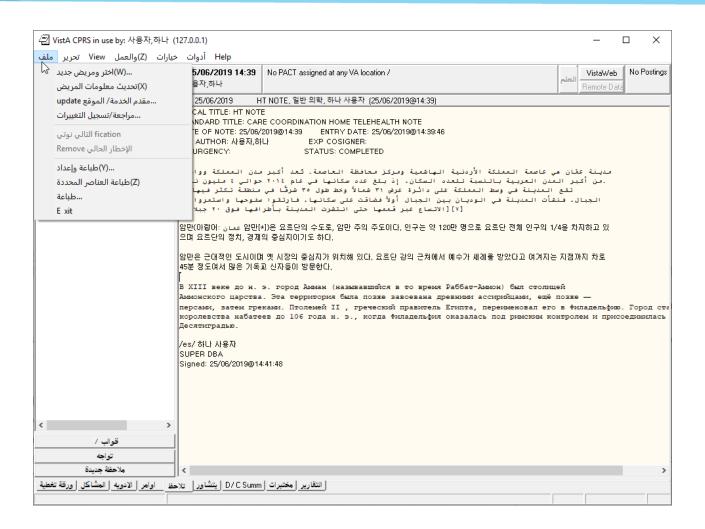
- VistA is big
- What would people using VistA be most interested in?
  - Focus on CPRS
  - Focus on Foundations
  - Focus on Technical Aspects

#### Run VistA in UTF-8 Mode



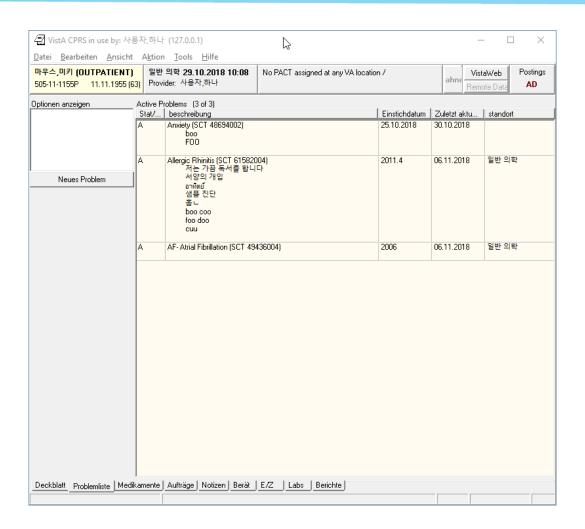


## **CPRS Read/Write in UTF-8**



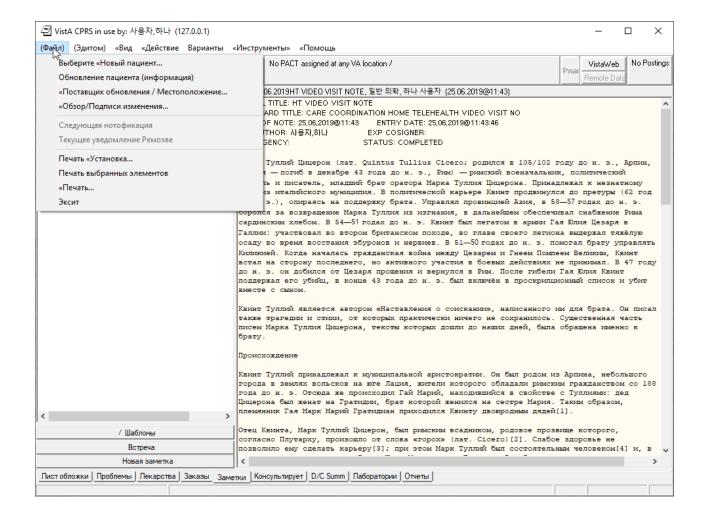


#### **Fix Problem List Edit Issue**



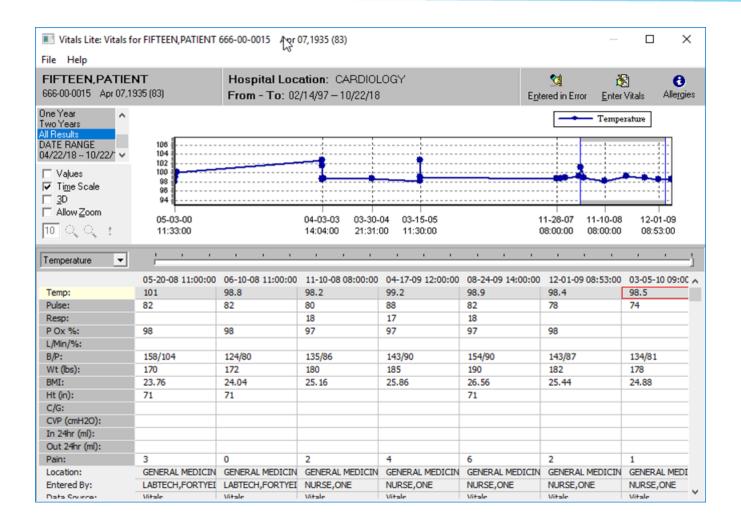


# Use a Localization Framework



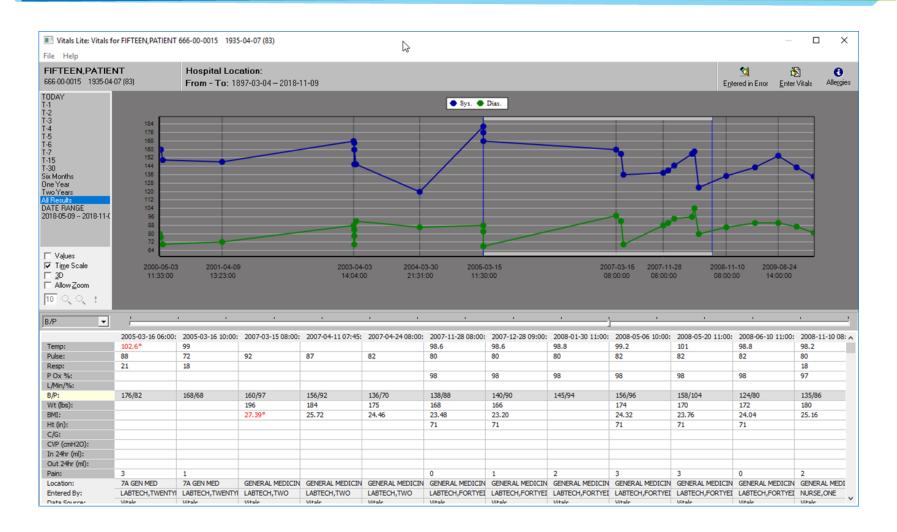


# Fix Date Formatting Issues - Before





# Fix Date Formatting Issues - After

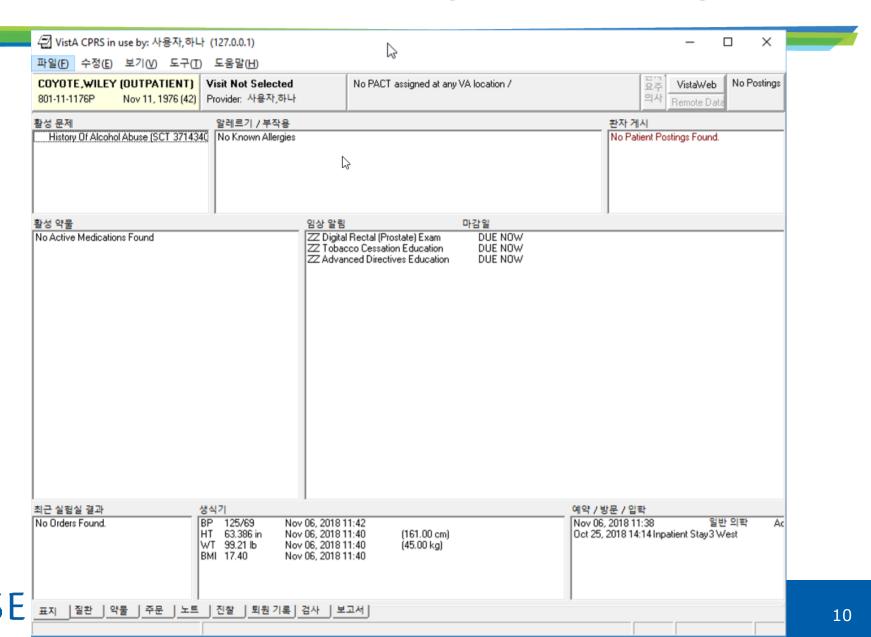




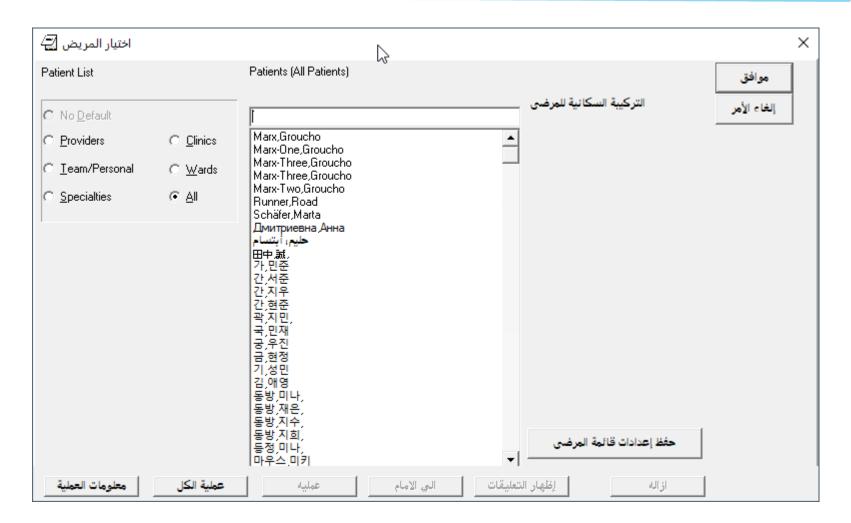
# Floating Number Parsing



#### Fileman Data Localization



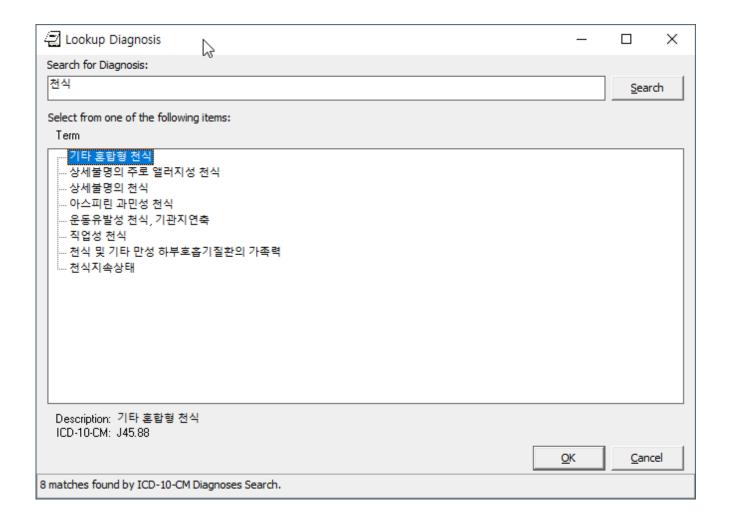
# Ability to Enter CJK/Europen/Arabic Names



#### **M Side Translation**

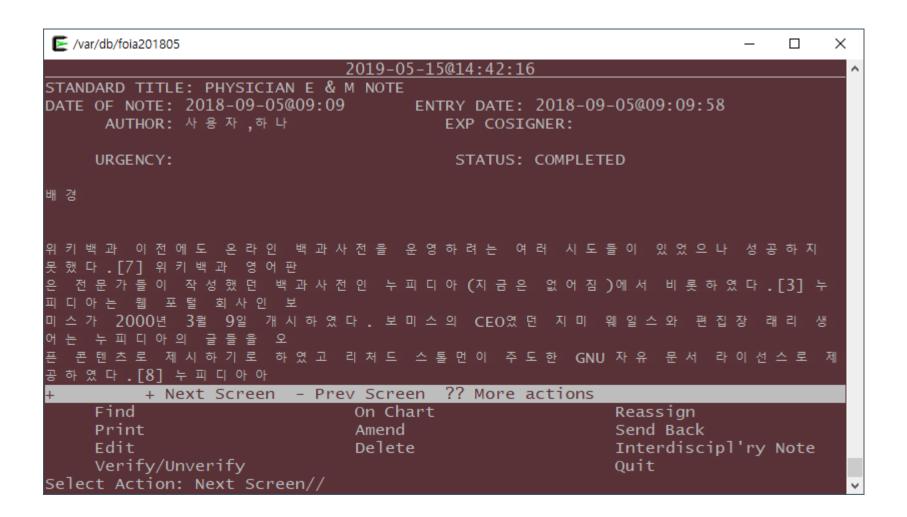
```
E /var/db/foia201805
                                                                                      X
                                                                                 ogged out at 2018-12-13 11:11:21 am
Ip@memphis /var/db/foia201805
```

# **Lexicon Update**



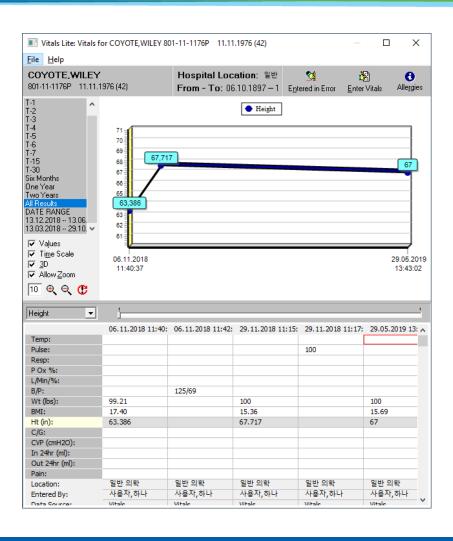
# Issues we couldn't solve

#### **CJK Wide Character Issues**





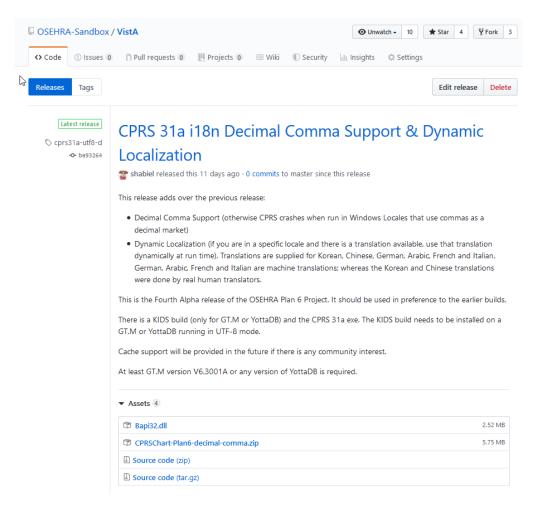
#### **Decimal Dot from M**





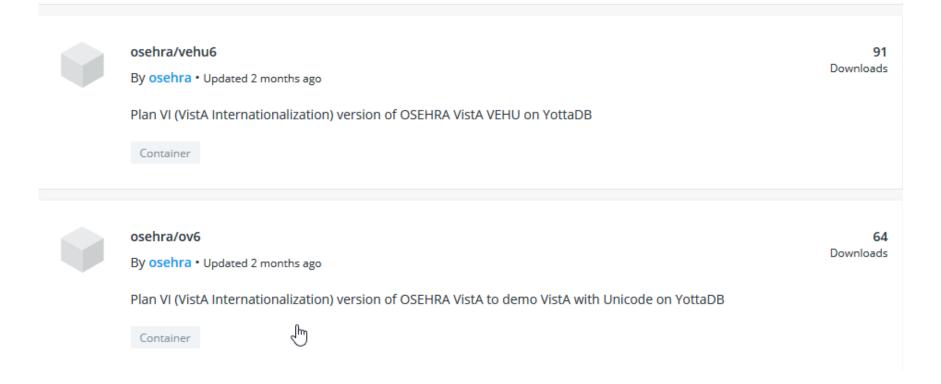
# Project Outputs

#### **CPRS Exe and Vitals DLL**





# **Docker Hub Images**



### **Git Repos**

#### Plan-vi branch on these:

- https://github.com/OSEHRA-Sandbox/VistA/
- https://github.com/OSEHRA-Sandbox/VistA-M/
- https://github.com/OSEHRA-Sandbox/VEHU-VistA-M/

## **Blog Posts @ smh101.com**



Plan VistA Internationalization (Plan VI)

The summary of all this work can be found here.

- Plan VI CPRS Support for Unicode
- Plan VI TIU Support for Unicode
- Plan VI Delphi Localization Frameworks
- Plan VI CPRS Localization Using Kryvich's Framework
- Plan VI Docker Image for Experimentation
- Plan VI Internationalizing Date Display in CPRS Blog Post
- Plan VI Entering CJK Names and Data Localization
- · Plan VI Menus Part 1
- Plan VI Menus Part 2
- Plan VI Replacing the US ICD-10 with the Korean ICD-10 in the Lexicon
- Plan VI Getting the DataLoader to work
- Plan VI Fixing the CPRS Comma Decimal and Dynamically Selecting Runtime Language

More in depth talk on the next Innovation Webinar