HFD ETHAN PROJECT

DAVID PERSSE, MD
MEDICAL DIRECTOR
HOUSTON FIRE DEPARTMENT/EMS

MICHAEL G. GONZALEZ, MD
ASSOCIATE MEDICAL DIRECTOR
ETHAN: EMERGENCY TELE-HEALTH AND NAVIGATION
CROSSROADS

- ED OVERCROWDING AND OVERUSE
- ACCESS TO HEALTHCARE CONCERNS
- UNPARALLELED POPULATION GROWTH
- TELEMEDICINE & TECHNOLOGY INNOVATION
> 100+ Fire Stations
> > 3000 personnel
> > > 2.1M population
> > > > 600 miles$^2$
> > > > > 250k EMS calls
> > > > > > 300 transports/day
911 CALL
ETHAN PHYSICIAN
ETHAN DISPOSITION

- MD Referral to ER

- MD Referral to Clinic Appt
  - Patient agree
  - Taxi or POV
  - Patient refuse
  - Taxi to ER

- MD Referral for Followup, as needed
  - Home Care instructions
  - Patient agree
  - Patient refuse -> taxi ER
ETHAN - CARE HOUSTON

- FOLLOWUP CALL
- ARRANGES CLINIC VISIT
- TAXI VOUCHER
- CONNECTS WITH RESOURCES AS NEEDED
- ESTABLISHES MEDICAL HOME
ETHAN TEAM

- EMT/PARAMEDICS
- ETHAN PHYSICIAN
- BASE STATION
- CARE HOUSTON LINK
- CLINIC FOLLOWUP
ETHAN - MILESTONES

- INFRASTRUCTURE
  - BASE STATION
  - FIELD UNITS
  - ARCHIVE/STORAGE
- CONNECTIVITY
- PERSONNEL
- CLINIC & FOLLOWUP
ETHAN PARTNERS

- HARRIS COUNTY HEALTHCARE ALLIANCE
- UT-SCHOOL OF PUBLIC HEALTH
- RICE UNIVERSITY EHRI/BRC
- GREATER HOUSTON HEALTHCONNECT
- CARE HOUSTON/COH HEALTH DEPT.
- LOCAL COMMUNITY HEALTH CENTERS
- COUNTY RIDES (YELLOW CAB)
- CLINTON HEALTH MATTERS INITIATIVE
Figure 4. Nominal Apollo 13 mission profile.
QUESTIONS?

MICHAELG.GONZALEZ@HOUSTONTX.GOV