



TM

CIDT: An
Overachieving GI
Panel

- **First what is the definition of overachiever?**
- **OVERACHIEVER: one who achieves success over and above the standard or expected level especially at an early age**
- **CIDT young? yes**

- **What do you get from an overachiever?**
- **Giving more knowledge than is wanted, needed or in the lab, ordered.**
- **Useless? No**
- **In the end-how do you process and comprehend the information that is given.**

- So maybe also:

TEACHING AN OLD DOG A NEW TRICK.



- From mid to late 80's, new field was taking hold
- *COMPUTER SCIENCE*
- Programs were written triangles, squares and circles
- Was told I did not need that-you will be working in a laboratory and will not need to use a computer

- Today I have 4 computers with me, smartwatch on my wrist, phone in my purse, tablet in my bag and a laptop in my room



- **With that said-Microbiology has come a long way also**
- **E. coli was just that-E. coli**
- **Now along with STEC, we worry about ETEC, EPEC, EAEC and EIEC**
- **Incorporation of CIDT as part of routine, how do you handle a test that can give results different that what we have up to this point be called “gold standard”**

- **April 2013-April 2016**
- **6424 samples were received with the source of stool**
- **1743 received as CIDT positive**
- **755 unable to be confirmed**

- **Validation still in process**
- **Parasitology wanted to validate BioFire using Total Fix**
- **27 samples processed, this included one blank total fix**
- **Of the 26 samples: 20 were positive by either wet mount, trichrome or PCR positive for crypto, 6 negative (NPF)**

- **BioFire results were 17 positive, 9 negative**
- **1 negative by traditional methods was positive by BioFire**
- **1 positive by traditional was negative on the BioFire(repeat was negative also)**
- **4 were spiked with an enteric pathogen and confirmed with BioFire**

- **Question? Should labs rethink submission of samples?**
- **Give the provider more than what was ordered?**
- **????**

- **My closing thought:**
- **What do you do with a panel that can possibly give more information that you wanted or needed?**
- **Not all laboratorians will freely give up their various colorful tubes to embrace the automated.**
- **Then again, shouldn't we all strive to be overachievers and be the super heros of public health, because truly we do want the health of the public to be priority.**

Thank

You

All of my coworkers at the Tennessee
Department of Health, Lab and Epi