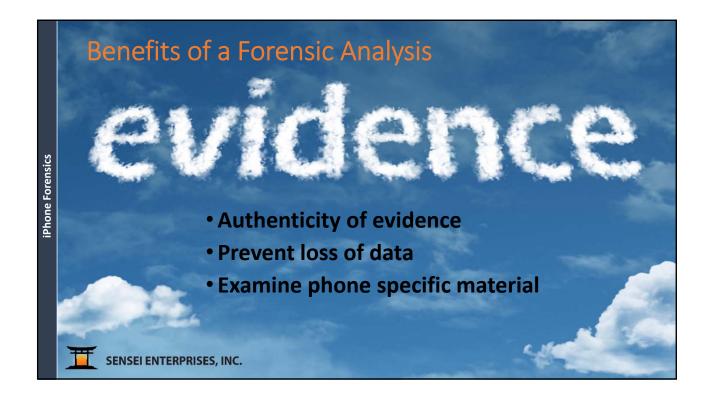


# More Data • Increased device storage size • More application data • Camera improvements SENSEI ENTERPRISES, INC.



# **Precautions**

- DIY is not the way to go
- Best to avoid self collection of evidence
- Spoliation concerns



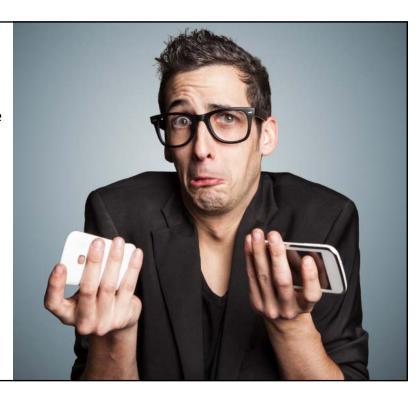




# **Pre-Analysis**

- Follow best practices before analysis
- Information is constantly being sent and received
- Best to turn off device, or place in airplane mode to preserve the integrity of evidence
- Ensures data does not change







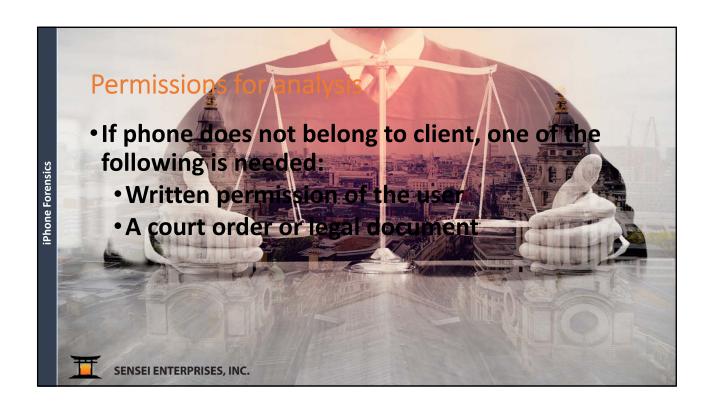
# Retaining an Expert

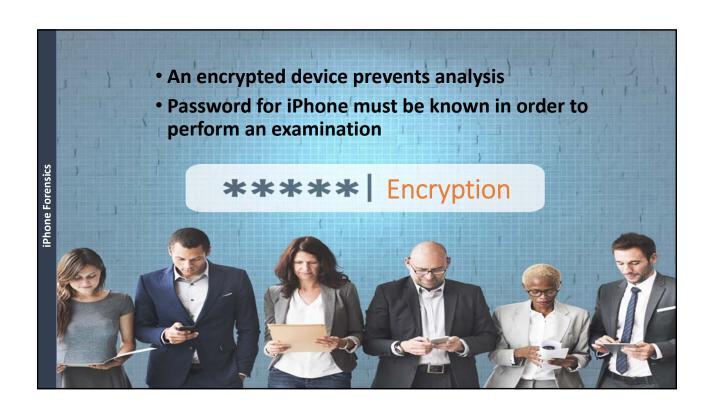
### What to look for:

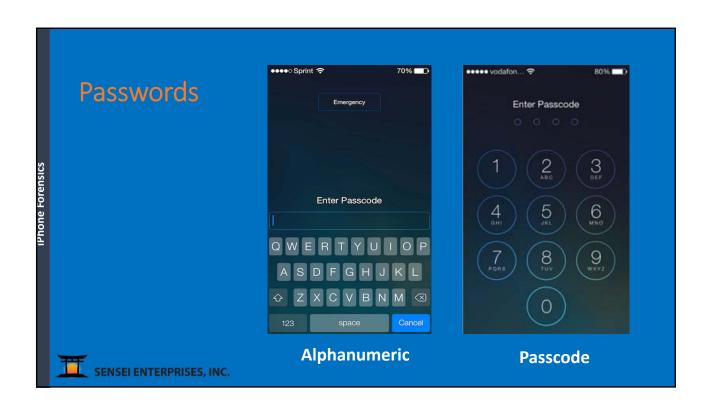
- Experience with mobile forensics
- Utilizing industry standard software
- Mobile device certifications



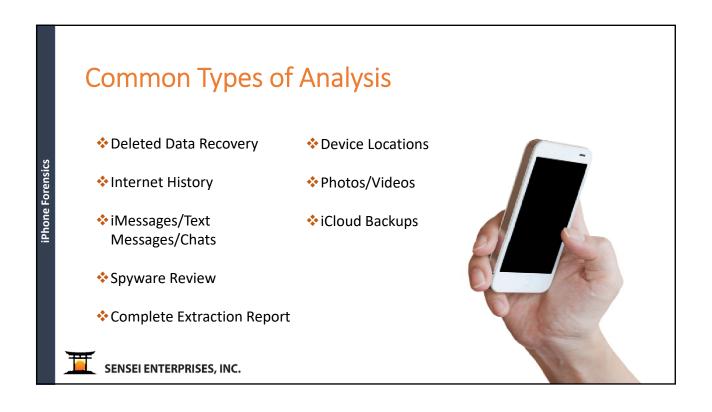










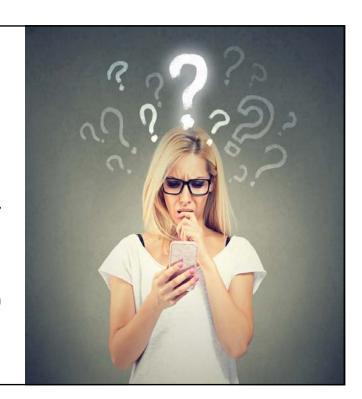


## **Deleted Data Recovery**

- Regularly recovered data:
  - Communications (text messages, iMessages, instant messages, call logs, voicemails)
  - Internet History (websites visited, search terms, bookmarks)
  - Deleted images and videos
    - Not likely retained when deleted, possibly contained in backups



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# Factors that affect recoverability

- Length of time that has passed since deletion
- Amount of new device activity

Overwritten data is unrecoverable





# iCloud Backups



- Service tasked with backing up information stored on Apple devices
- If enabled, may contain information that has since been deleted from the iPhone
- To verify if backups are present, use Apple ID credentials
- Cannot get if two-factor authentication is enabled, which is now by default





