



Justice Speakers Institute
PROMOTING JUSTICE WORLDWIDE

Data – The means by which we make decisions daily

Theresa Ewing – JSI Consultant

Congratulations **TARCP** on 20 years of making Tennessee better, “one client at a time”.

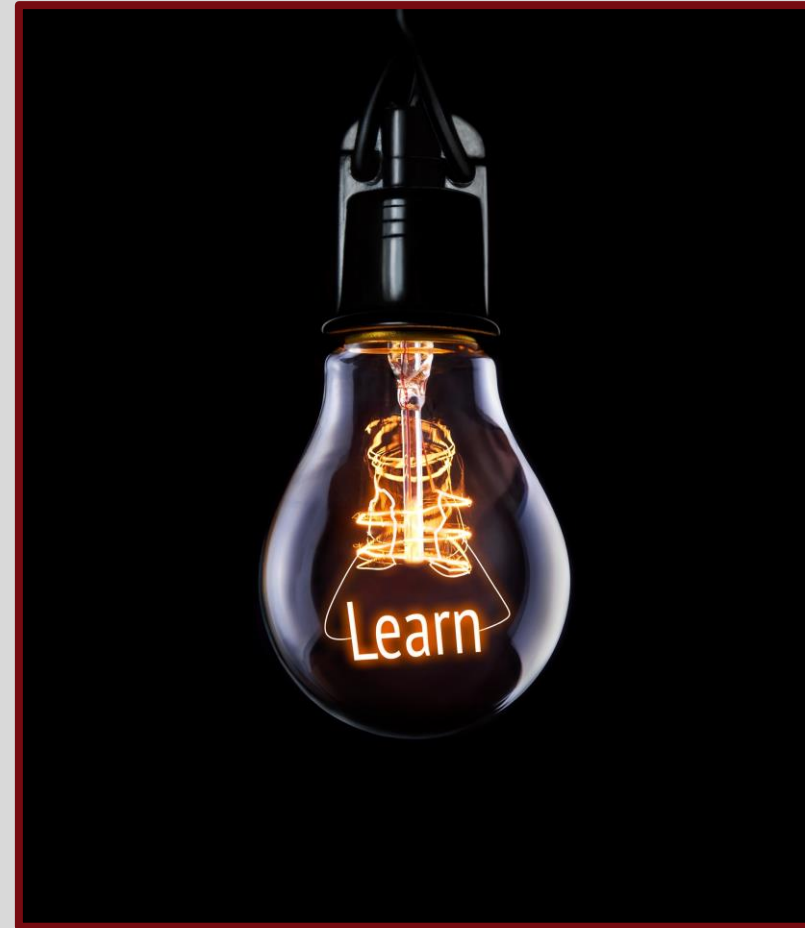
*"I did then what I knew how to do.
Now that I know better, I do better."
-Maya Angelou*



Learning Objectives

By the end of this class, you will be able to:

- Define data
- Define data integrity
- Identify the differences between data quality, data security, and data integrity
- List three reasons that data integrity should be important to you



Data



1. Factual information (such as measurements or statistics) used as a basis for reasoning, discussion, or calculation.
2. Information in digital form that can be transmitted or processed.
3. Information output by a sensing device or organ that includes both useful and irrelevant or redundant information and must be processed to be meaningful.



Example of data created daily

Survey ID: A003

Tennessee Outcomes Measurement System (TOMS) Full Adult Mental Health Survey (A003 v. 1.3)

*** This page to be completed by staff. ***

Agency ID: Clinic ID: Clinician ID:

Consumer ID: -

Last Name:

(first 5 letters only)

Survey Completion Date: / /

M M

D D

Y Y Y Y

Start Date for This Episode of Care:

/ /

M M

D D

Y Y Y Y

Date of Birth: / /

M M

D D

Y Y Y Y

1. How are the consumer's services funded?

13 ☐ Amerigroup

12 ☐ United Healthcare Community Plan

16 ☐ VSHP

5 ☐ Safety Net

14 ☐ Medicare

17 ☐ Commercial

18 ☐ Grant

15 ☐ Self Pay

19 ☐ Other

To complete the following questions, ask the consumer.

2. What is your gender?

6. What is the highest grade in school or level of education you have

[TN Teen Adult Assessment](#)

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Answer: 56

Data Points

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Differences between: 1. data integrity, 2. data quality, and 3. data security



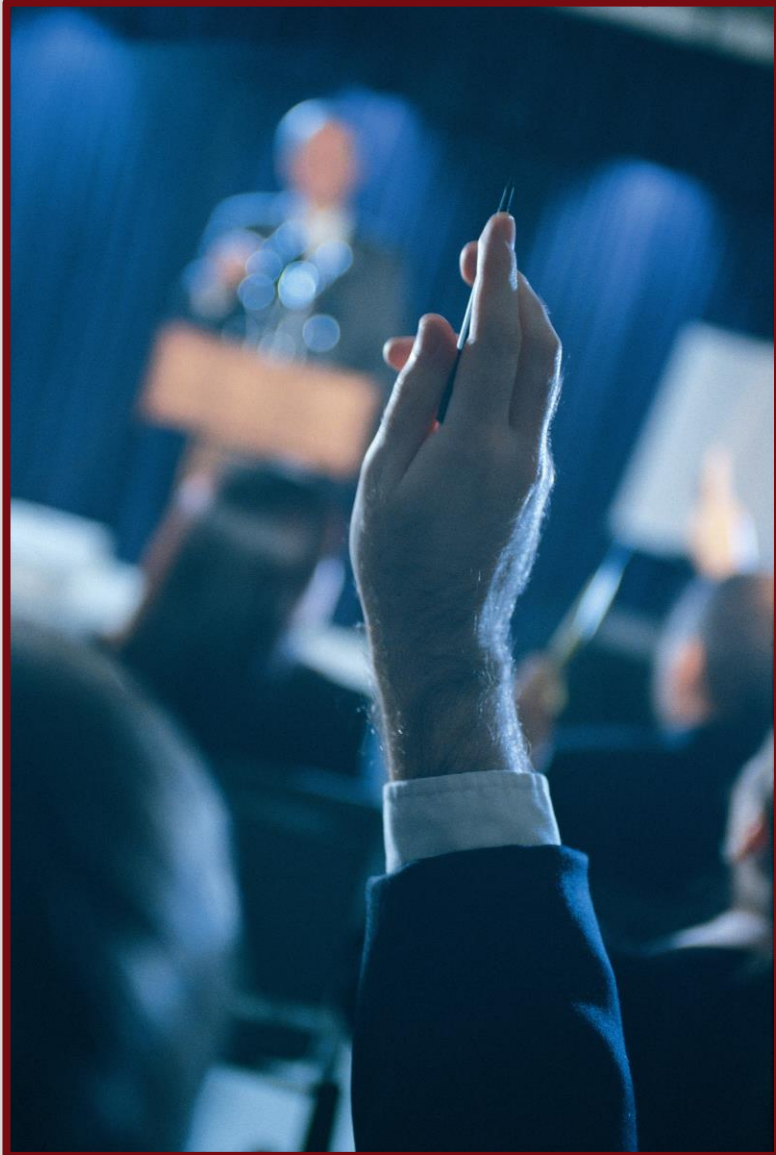
Data Integrity

An Introduction to Data Integrity...



...is the maintenance of, and the assurance of, data accuracy and consistency over its entire life-cycle. It is a critical aspect to the design, implementation, and usage of any system that stores, processes, or retrieves data.





Can someone provide me with an example of when “Accuracy and consistency” were questioned based on some data irregularities?





How can data integrity be compromised?

- Human error, whether malicious or unintentional
- Transfer errors, including unintended alterations or data compromise during transfer from one device to another
- Bugs, viruses/malware, hacking, and other cyber threats
- Compromised hardware, such as a device or disk crash
- Physical compromise to devices



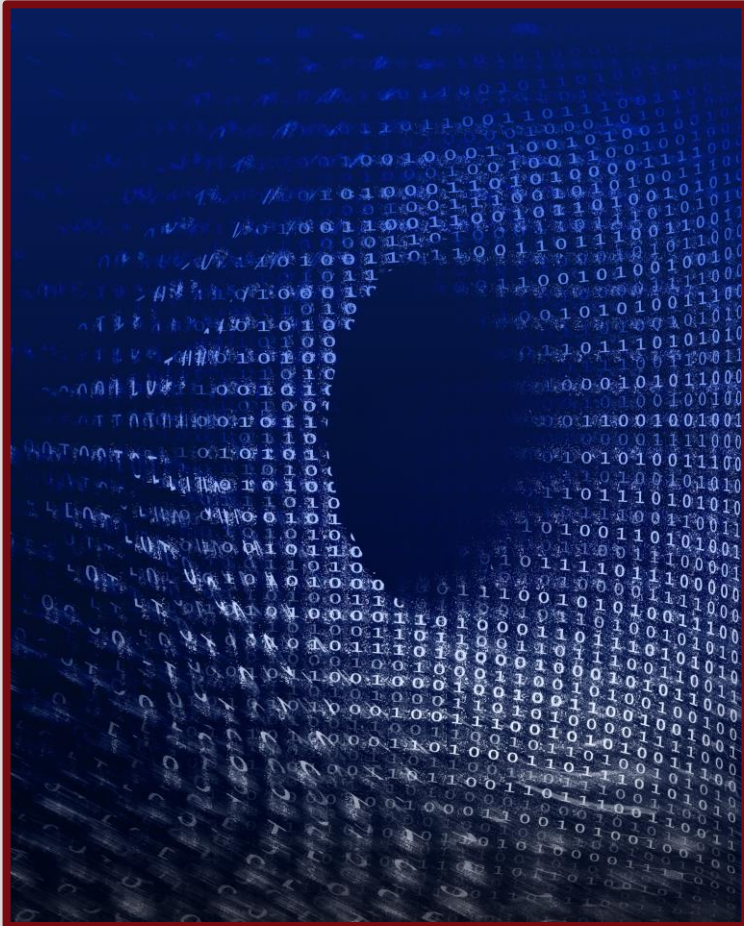
Data Quality



“...tells us how reliable a particular set of data is and whether or not it will be good enough for a user to employ in decision-making. This quality is often measured by degrees.”



Data Quality



“Errors and omissions in the data clearly pose risk and liability for individual cases. Moreover, bad data obstructs the processing of records and potentially distorts the metrics used for court management.”



Why should YOU care?



Data is used to determine outcomes.



Data is used to secure current and future funding.



Data allows us to tell our story.



Others?



Data Security



“...is the practice of protecting digital information from unauthorized access, corruption or theft throughout its entire lifecycle.”

Data Security



It's a concept that encompasses every aspect of information security

- The physical security of hardware and storage devices
- Administrative and access controls
- The logical security of software applications.
- Organizational policies and procedures.

What is Data Security? Data Security Definition and Overview | IBM



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Whose job it is to keep our data secure?



IT

Management

Us

Deeper Dive – Tennessee's Recovery Courts

TENNESSEE'S RECOVERY COURTS



Department of
**Mental Health &
Substance Abuse Services**

**1,674 NEW ADMISSIONS
TO TDMHSAS-FUNDED COURTS IN FY19**

TENNESSEE'S 82 RECOVERY COURTS APPLY EVIDENCE-BASED PROGRAMMING
AND PRINCIPLES TO HELP MEN AND WOMEN FIND NEW LIVES IN RECOVERY.

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TN Dept of Mental Health and Substance Abuse Services – Frequently Used Data Resources

TN Resources – Data – Stats

Frequently Used: 5

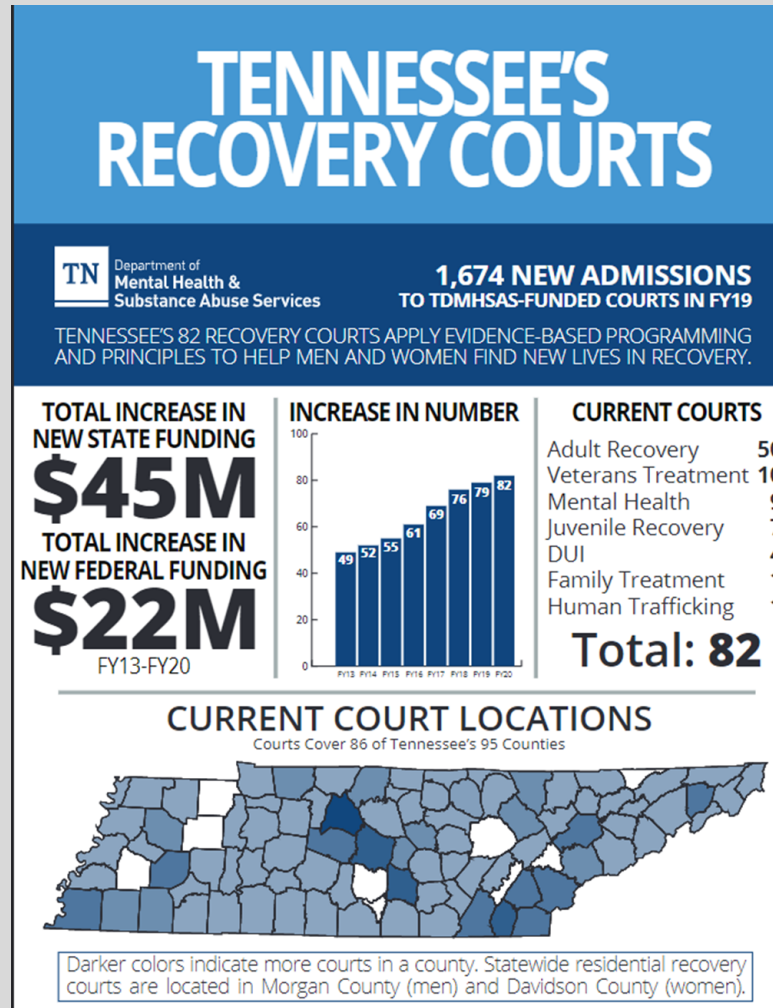
- Drug Overdose Dashboard
- National Survey on Drug Use and Health (NSDUH)
- Uniform Reporting System (URS) Output Tables
- Substance Abuse and Mental Health Services Administration (SAMHSA)
- Treatment Episode Data Set (TEDS)

By Category:

- Child Welfare & Well-being
- Criminal Justice
- Education
- Health
- Mental Health and Substance Abuse
- Safety
- Other Resources



Tennessee's Recovery Courts

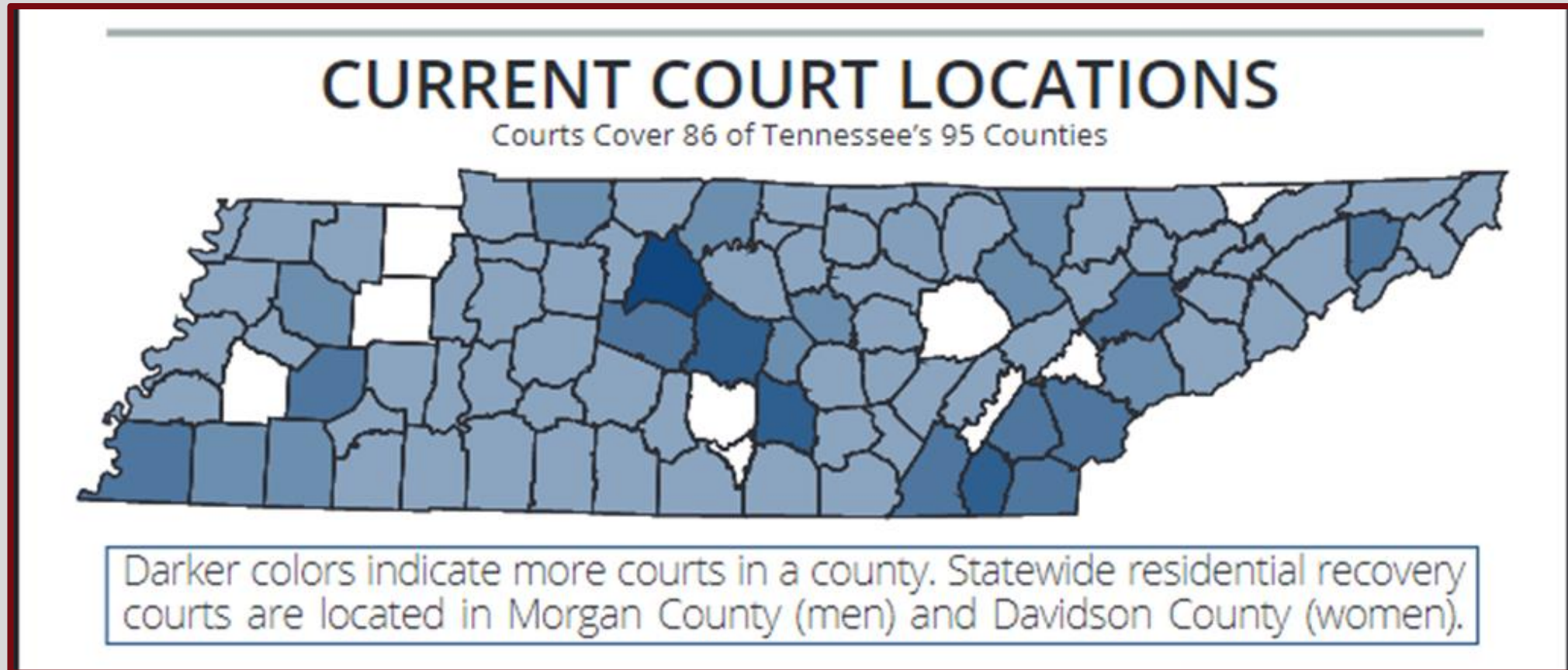


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Tennessee's Recovery Courts



Wrap up!

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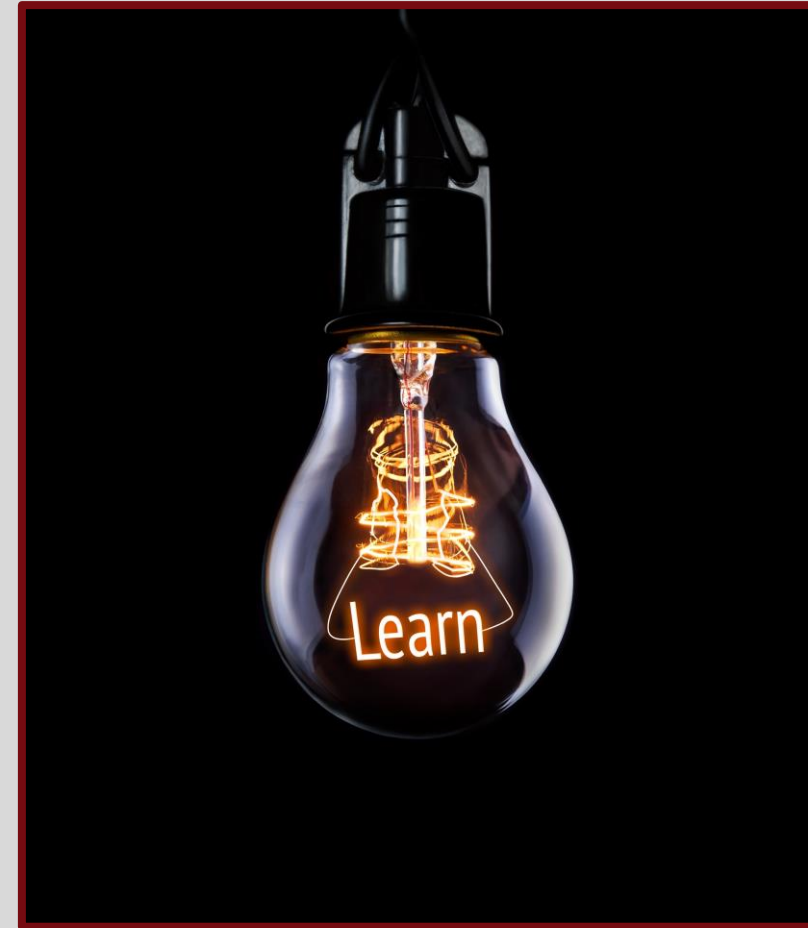


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Did we meet our learning objectives?

We can now:

- 1) Define data
- 2) Define data integrity
- 3) Identify the differences between data quality, data security, and data integrity
- 4) List three reasons that data integrity should be important to you



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**THANK
YOU**



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