# Assessment of Hypnotizability

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#### Why Hypnotizability Is Important

- Big Individual Differences
  - Hypnotic "Virtuosos"
- Effects of Hypnosis Should Be Correlated with Hypnotizability
  - Clinical Response to Hypnotic Interventions
- · Collect Data on Correlates

## Work-Samples of Hypnotic Behavior

- Standardized Induction Procedure
  - Relaxation
  - Focused Attention
  - Eye Closure
- Representative Test Suggestions
  - Scored by Objective Behavioral Criteria
    - Observer Ratings
    - Self-Ratings
- Termination Procedure
  - Followed by Test of Posthypnotic Suggestion

#### **Available Scales**

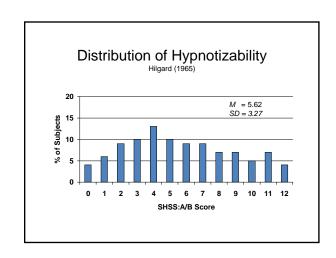
- Stanford Scales
  - SHSS:A, B
  - SHCC:C
    - "Tailored" Version
  - W-SGSHS:C
  - SPSHS:A, B
  - SHCS: Child, AdultSHALIT
- Harvard Scales
  - HGSHS:A, B

- Alternatives
  - BSS
  - CURSS
  - HIP
  - CIS
- Special-Purpose
  - CHSS
  - AMSHS

Stanford Hypnotic Susceptibility Scale, Forms A & B

Weitzenhoffer & Hilgard (1959)

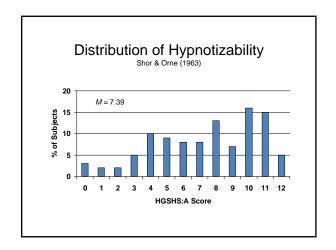
- Postural Sway
- Eye Closure (Induction)
- · Hand Lowering
- Arm Immobilization
- Finger Lock
- · Arm Rigidity
- Hands Moving Together
- Verbal Inhibition
- Fly Hallucination
- Eye Catalepsy
- Posthypnotic Suggestion
- Posthypnotic Amnesia



## Harvard Group Scale of Hypnotic Susceptibility, Form A

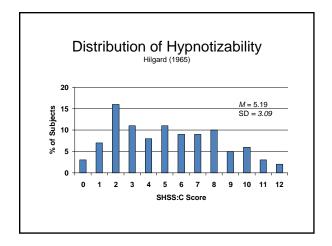
Shor & E. Orne (1963), after Weitzenhoffer & Hilgard (1959)

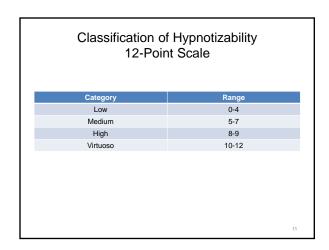
- Head Falling (Postural Sway)
- Eye Closure (Induction)
- · Hand Lowering
- Arm Immobilization
- Finger Lock
- · Arm Rigidity
- · Hands Moving Together
- · Verbal Inhibition
- Fly Hallucination
- Eye Catalepsy
- Posthypnotic Suggestion
- Posthypnotic Amnesia

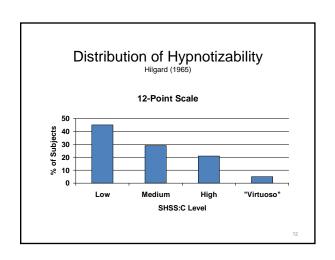


#### Stanford Hypnotic Susceptibility Scale, Form C

- Eye Closure (Induction)
- · Hand Lowering
- Moving Hands Apart
- Mosquito Hallucination
- Arm Rigidity
- Dream (about hypnosis)
- Age Regression - 5th, 2nd grades
- Anosmia
- Arm Immobilization
- Voice Hallucination
- Negative Visual Hallucination
- (Posthypnotic Suggestion)
- Posthypnotic Amnesia







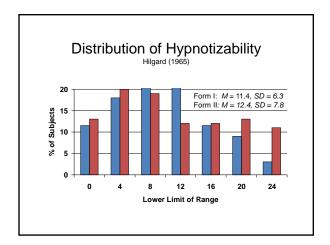
# Stanford Profile Scales of Hypnotic Susceptibility, Form I

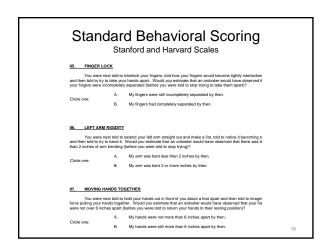
Weitzenhoffer & Hilgard (1963)

- · Hand Analgesia
- · Music Hallucination
- Anosmia
- Hypermnesia
- · Hallucinated Light
- Dream (Unspecified)
- Agnosia
- Joke
- Posthypnotic Suggestion

# Stanford Profile Scales of Hypnotic Susceptibility, Form II

- Heat Hallucination
- Selective Deafness
- Smell Hallucination
- Age Regression (Birthday)
- Selective Blindness (Missing Watch Hand)
- Dream (Hypnosis)
- Agnosia
- · Personality Alteration
- Posthypnotic Automatic Writing





# SHSS:A and SHSS:C Hilgard (1965) | Correlations | SHSS:C SPSHS:I SPSHS:II SHSS:A .82 .64 .62 | SHSS:C .71 .72 | SPSHS:I .78

#### HGSHS:A and SHSS:C

- Bentler & Roberts (1963): r = .67
- Coe (1964): r = .60
- Evans & Schmeidler (1966): r = .59

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## HGSHS:A and SHSS:C Classifications

Evans & Schmeidler (1966)

|         | SHSS:C |        |      |          |
|---------|--------|--------|------|----------|
| HGSHS:A | Low    | Medium | High | Virtuoso |
| Low     | 14     | 6      | 0    | 0        |
| Medium  | 4      | 10     | 6    | 0        |
| High    | 2      | 9      | 7    | 2        |
| High    | 2      | 9      | 7    | 2        |

HGSHS:A and SHSS:C Classifications
Kihlstrom & Evans (1979) cited in Kihlstrom & Register (1986)

|         | SHSS:C |        |      |          |
|---------|--------|--------|------|----------|
| HGSHS:A | Low    | Medium | High | Virtuoso |
| Low     | 48     | 13     | 7    | 0        |
| Medium  | 23     | 22     | 20   | 3        |
| High    | 4      | 20     | 33   | 15       |
|         | _      |        | _    |          |

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### HGSHS:A and SHSS:C Classifications

Kihlstrom & Register (1986)

|           | SHSS:C |        |      |          |
|-----------|--------|--------|------|----------|
| HGSHS:A   | Low    | Medium | High | Virtuoso |
| Low       | 17     | 4      | 3    | 0        |
| Medium    | 13     | 5      | 4    | 2        |
| High      | 3      | 9      | 11   | 1        |
| Very High | 0      | 5      | 11   | 8        |

Supplemental Scoring of HGSHS:A

- Due to Group Setting?
  - Self-Reports
- · Adjust Scoring Criteria
  - Arizona Motor Scale of Hypnotizability
- Add Information
  - Subjective impressions of Item "Success"
  - Rating of Hypnotic "Depth"
    - Global Rating Scale
    - "Inventory" Scale
  - Experienced Involuntariness of Response

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# Adjusting Item Difficulties Arizona Motor Scale of Hypnotizability

- · Continuous Scoring
- Establish Cutpoints Empirically
  - Approximately 50% Pass Rate

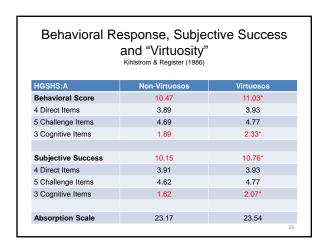
Subjective Success

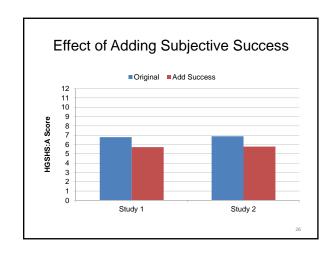
During the tape recording, several suggestions were administered. We are terested in your impressions about how you experienced these suggestions. The lams, isted in the order presented, are described briefly below. For each item, please

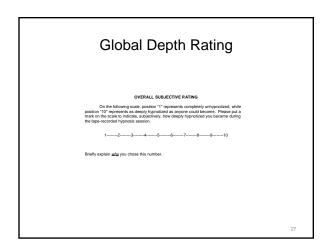
| <u>Item</u> | Suggestion  | Successful | Unsuccessful |
|-------------|---|------------|--------------|
| 01.         | Head failing forward.                                   |            |              |
| 02.         | Eyes becoming heavy and closing.                        |            |              |
| 03.         | Extended left arm becoming heavy and pulling down       |            |              |
| 04.         | Right arm heavy and difficulty in lifting it            |            |              |
| 05.         | Difficulty in separating interlocked fingers            |            |              |
| 06.         | Extended left arm becoming stiff and difficult to bend. |            |              |
| 07.         | Outstretched arms, hands being pulled together.         |            |              |
| 08.         | Difficulty in shaking head "no".                        |            |              |
| 09.         | Getting rid of annoying fly.                            |            |              |
| 10.         | Difficulty in opening eyes.                             |            |              |
| 11.         | Touching left anide at tapping sound.                   |            |              |
| 12.         | Temporary difficulty in remembering events of hypnosis. |            |              |

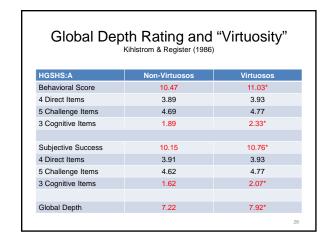
Score + if "Successful"

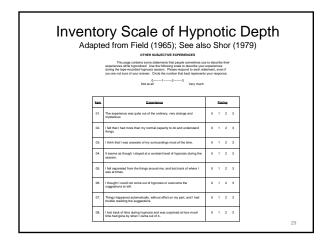
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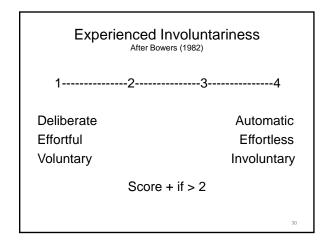






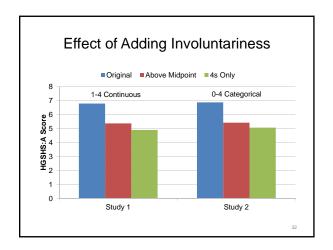






# Experienced Involuntariness Bowers et al. (1988)

- A I did not respond at all during this time. (0)
- B My response was mostly voluntary. (1)
- C My response was mostly involuntary. (4)
- D The feeling that my response was voluntary was completely intermixed with the feeling that it was involuntary. (2)
- E At first my response was voluntary, but then later on it continued to occur
- F None of the above.



#### **Experienced Involuntariness**

Current Version, Modified from Bowers et al. (1988)

#### MOVING HANDS TOGETHER

You were next told to hold your hands out in front of you about a foot apart and then told to magine a force pulling your hands together.

#### Score + if > "C"

COMMUNICATION INHIBITION

- I did not respond at all during this time.

  My response was mostly voluntary.

  Af first my response was involuntary, but then later on I had to continue it voluntary.

  Af first my response was involuntary, but then later on I had to continue it voluntary.

  Before the state of t

#### Notes on Administering HGSHS:A

- Use a Recording
  - Watch Out for Pencil Tap Cue for PHS
- · Adequate Staff to Assist
- Block Out 1-1/2 Hours Minimum
- Take Time to Build Rapport, Answer Questions
- Comfortable Seating
  - Enable Subjects to Spread Themselves Out
  - Dim Lighting

#### Notes on Administering SHSS:C

- Do It In Person, Use the Script
  - Record Session
- Take Time to Build Rapport, Answer Questions
- Suggested Modifications
  - Add Posthypnotic Suggestion
  - Trim Age Regression
  - Use Peppermint for Anosmia

#### Obtaining the HGSHS:A Recording by Lee Dumas

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