

APPENDIX B

SAMPLE REPORT

The following pages show a sample 6-page printout from a standard CalCAP test battery. See “Interpretation of Reaction Time Results” in the manual for additional information about test interpretation.

Sample Printed Report

Page 1 - Summary of Abnormal Exam Results

CALIFORNIA COMPUTERIZED ASSESSMENT PACKAGE (CalCAP)

ID#: 40000
Exam #:
Date of Exam: 25 Aug 1998
Gender: Male
Age: 47
Yrs Education: 16
Handedness: Right
Vision: Corrected
Race: White (not Hispanic)
Occupation: CLERICAL
Site ID: 64
Test Version:

Medical Record Number:
Diagnosis:
Notes:

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SUMMARY OF ABNORMAL CALCAP EXAM RESULTS

(only results 1.5 SDs below norms are marked)

##	Description	Reaction Time	Accuracy	Signal Detection	Normative Data
1	Simple RT 1 - Dominant Hand				Std (a)
2	Simple RT - Nondominant Hand				Std (a)
3	Choice Reaction Time - Digits				Std (a)
4	Sequential Reaction Time 1	*	***	***	Std (a)
5	Language Discrimination				Std (a)
6	Simple RT 2 - Dominant Hand				Std (a)
7	Degraded Words with Distract				Std (a)
8	Response Reversal - Words				Std (a)
9	Form Discrimination		**		Std (a)
10	Simple RT 3 - Dominant Hand				Std (a)

*One or more indices are more than 1.5 SDs outside of normal range
**One or more indices are more than 2.0 SDs outside of normal range
***One or more indices are more than 3.0 SDs outside of normal range

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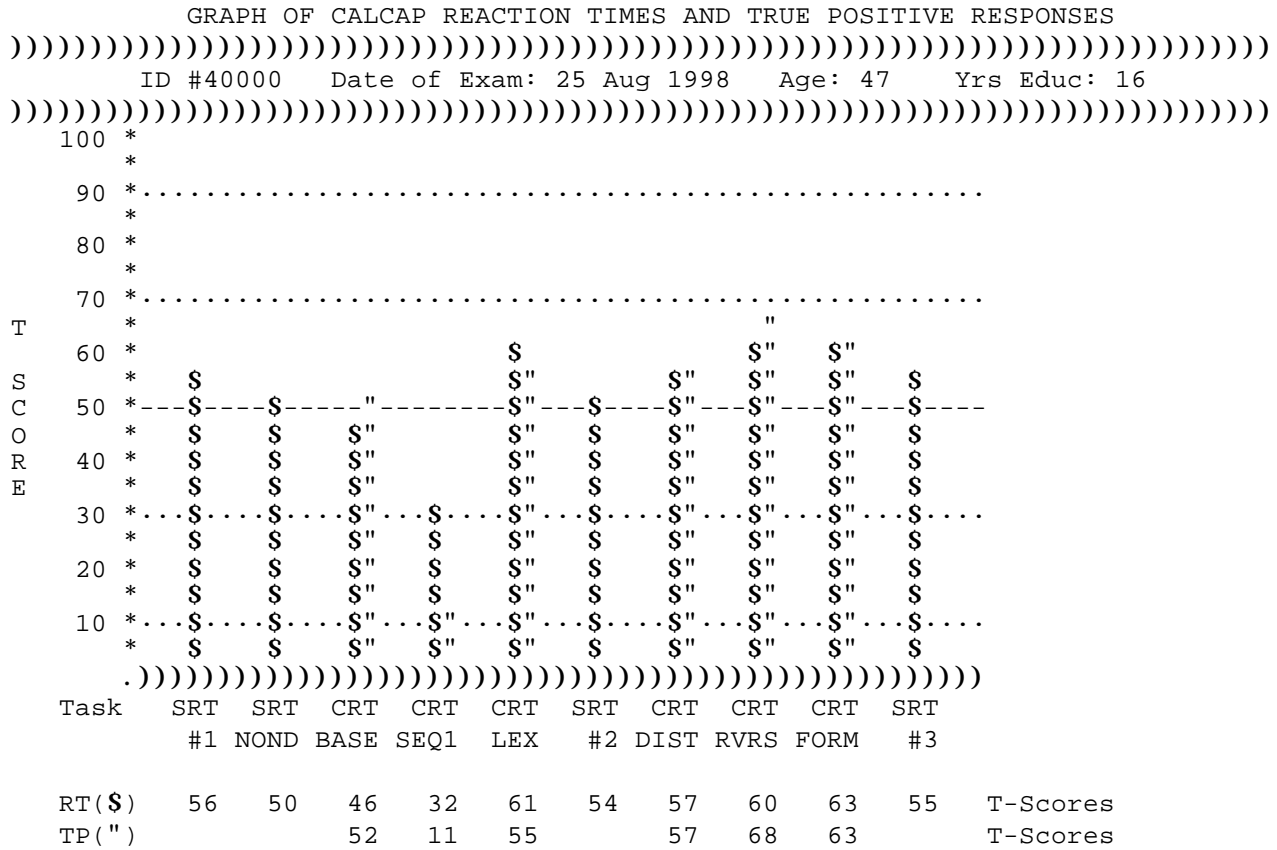
Normative Sample(s)

(a) Norms are based on 25 U.S. males ages 45 - 54 with education level = 16 years. Normative Sample = NORM0292/509.

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Sample Printed Report

Page 2 - Graph of Reaction Times and True Positive Responses



Explanation of Codes:

RT = Age & education adjusted T-score for Mean Computed Reaction Time
 TP = Age & education adjusted T-score for # of True Positive responses

SRT #1 = Simple RT, Dominant Hand (1st iteration)
 SRT NOND = Simple RT, Nondominant Hand
 SRT #2 = Simple RT, Dominant Hand (2nd iteration)
 SRT #3 = Simple RT, Dominant Hand (3rd iteration)

CRT BASE = Choice RT, Basic Go-No Go Paradigm
 CRT SEQ1 = Choice RT, Sequential Reaction Time 1 (Repetition of Numbers)
 CRT LEX = Choice RT, Word Discrimination
 CRT DIST = Choice RT, Go-No Go Paradigm with Distraction
 CRT RVRS = Choice RT, Rapid Visual Scanning/Response Reversal
 CRT FORM = Choice RT, Form Discrimination

Sample Printed Report

Page 3 - Reaction Times

CALCAP REACTION TIMES

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ID #40000 Date of Exam: 25 Aug 1998 Age: 47 Yrs Educ: 16
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		Mean Reaction Time (RT)				
##	Description	Range	Median	RT	z-score	%ile
1	Simple RT 1 - Dominant Hand	283- 352	333	332	0.64	74%
2	Simple RT - Nondominant Hand	295- 428	343	351	0.03	51%
3	Choice Reaction Time - Digits	375- 502	427	426	-0.36	36%
4	Sequential Reaction Time 1	437- 853	853	712*	-1.78	4%
5	Language Discrimination	382- 552	482	488	1.15	87%
6	Simple RT 2 - Dominant Hand	338- 868**	354	385	0.40	65%
7	Degraded Words with Distract	431- 669	515	503	0.68	75%
8	Response Reversal - Words	407- 757	613	601	1.05	85%
9	Form Discrimination	435-1133	607	613	1.27	90%
10	Simple RT 3 - Dominant Hand	298- 458	328	335	0.48	69%

*Score is more than 1.5 SDs outside of normal range
**Score is more than 2.0 SDs outside of normal range
***Score is more than 3.0 SDs outside of normal range

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Notes

Reaction times indicate the average speed with which the individual was able to respond to target stimuli. Norms displayed above are based on mean reaction times. Norms are not currently available for median reaction times. Abnormal reaction times on multiple tasks suggest generalized slowing in cognitive processing or artifacts such as inattention, visual problems, or random responding. Selective slowing on certain tasks may indicate a passing distraction during the test procedure or may indicate a focal deficit in the cognitive ability measured by that subtest. Note that abnormal performance on the Language Discrimination task only may suggest that the individual is not a native speaker. Consult the CalCAP manual for additional discussion of the skills measured by the individual subtests.

The range of reaction times shown represents the best and worst performances during this testing session. Unusually large ranges suggest inconsistent responding across the trial. This may be due to transient distractions during the testing, difficulties keeping up with the pace of the testing, or losing track of the task instructions. Abnormal ranges across multiple tests suggest poor motivation, malingering, or significant fluctuations in attention due to psychoactive drugs or neurologic injury.

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Sample Printed Report

Page 4 - Difference Scores

CALCAP DIFFERENCE SCORES

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ID #40000 Date of Exam: 25 Aug 1998 Age: 47 Yrs Educ: 16

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#	Description	Diff. from Baseline Simple RT (332 ms)	Diff. from Baseline Choice RT (426 ms)
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|---|-------------------------------|----------------|----------------|
| 1 | Simple RT 1 - Dominant Hand | ---Baseline--- | |
| 2 | Simple RT - Nondominant Hand | 19 ms slower | |
| 3 | Choice Reaction Time - Digits | | ---Baseline--- |
| 4 | Sequential Reaction Time 1 | | 287 ms slower |
| 5 | Language Discrimination | | 62 ms slower |
| 6 | Simple RT 2 - Dominant Hand | 53 ms slower | |
| 7 | Degraded Words with Distract | | 77 ms slower |
| 8 | Response Reversal - Words | | 175 ms slower |
| 9 | Form Discrimination | | 187 ms slower |

10 Simple RT 3 - Dominant Hand 3 ms slower
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Notes

Normative data are not available for Difference Scores.

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Sample Printed Report

Page 5 - True Positive and False Positive Responses

CALCAP ACCURACY INDICES

(not computed for Simple RT tasks)

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 ID #40000 Date of Exam: 25 Aug 1998 Age: 47 Yrs Educ: 16
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## Description	True Positives			False Positives		
	Score	z-score	%ile	Score	z-score	%ile
3 Choice Reaction Time - Digits	15/15	0.20	58%	0/85	0.52	70%
4 Sequential Reaction Time 1	9/20***	-3.89	1%	1/80	0.14	56%
5 Language Discrimination	24/24	0.52	70%	0/96	1.17	88%
7 Degraded Words with Distract	15/15	0.72	76%	1/85	0.50	69%
8 Response Reversal - Words	15/15	1.76	96%	1/85	0.28	61%
9 Form Discrimination	19/20	1.27	90%	7/80**	-2.37	1%

*Score is more than 1.5 SDs outside of normal range
 **Score is more than 2.0 SDs outside of normal range
 ***Score is more than 3.0 SDs outside of normal range

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Notes

True Positive responses are responses where the individual correctly identifies a target stimulus. Abnormal True Positive scores may indicate inattention, random responding, visual problems, or a true inability to identify and respond to the target stimulus in the amount of time available. Note that abnormal performance on the Language Discrimination task only may suggest that the individual is not a native speaker. See the CalCAP manual for additional discussion of the relevance of each individual subtest.

False Positive responses are responses where the individual incorrectly identifies a distractor as being a target stimulus. Abnormal False Positive scores may indicate inattention, random responding, visual problems, a response bias toward excessive button pressing, or a true difficulty with separating distractor stimuli from target stimuli, due either to slowed cognitive processing or an inability to remember the task instructions.

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Sample Printed Report

Page 6 - Signal Detection Parameters

CALCAP SIGNAL DETECTION PARAMETERS
(not computed for Simple RT tasks)

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ID #40000 Date of Exam: 25 Aug 1998 Age: 47 Yrs Educ: 16
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## Description	Score	z-score	%ile
3 Choice Reaction Time - Digits	1.00	0.42	66%
4 Sequential Reaction Time 1	0.85***	-3.50	1%
5 Language Discrimination	1.00	0.93	82%
7 Degraded Words with Distract	1.00	0.80	79%
8 Response Reversal - Words	1.00	1.76	96%
9 Form Discrimination	0.96	1.10	86%

*Score is more than 1.5 SDs outside of normal range
**Score is more than 2.0 SDs outside of normal range
***Score is more than 3.0 SDs outside of normal range

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Notes

Signal detection parameters provide an index of an individual's ability to accurately discriminate target stimuli from distractor stimuli. A' is a population estimate of the signal detection parameter d'. An abnormal value in A' indicates that the individual had greater than average difficulty with differentiating the target stimuli from the distractor stimuli. This type of error might be due to inattention, visual problems, random responding, visual processing deficits, or an inability to process the stimuli at the rate they are presented by the CalCAP program.

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