COLORADO CLIENT	ASSESSMENT RECORD 1
AGENCY	ETHNICITY (Check ALL that apply) * [87-92]  American Indian/Alaska Native Island White Hispanic/Latino
First 3 Letters of Last Name [34-36]	MARITAL STATUS 1=Never Married 4=Widowed 2=Married 5=Divorced 3=Married/Separated
ENROLLMENT/PAYOR (Check ALL that apply)  Medicaid Fee For Service Medicaid Fee For Service Subcontract Capitated  [37-42]  Less than Full Fee Full Fee	NUMBER OF CHILDREN < 18 for whom consumer is responsible:  0=0; 1=1; etc.; 9=9 or more
Medicare	
CLIENT INDEX (Code 1=Yes, 2=No) [43]	PLACE OF RESIDENCE [107-
If Not CLIENT INDEX - Skip to Date of Admission  LAST NAME [497-517]  FIRST NAME [518-532]  MIDDLE NAME [533-542]	108] 1=Correctional Facility/Jail 2=Inpatient 3=ATU, Adults only 4=Child Residential (RTC/RCCF/Group) 5=Foster Home (Youth) 6=Boarding Home (Adult) 7=Group Home (Adult) 8=Nursing Home
TITLE (JR, SR, III, etc.) [543-546]	CURRENT LIVING ARRANGEMENT  Code ALL Boxes Using: 1=Yes 2=No  Alone Mother Father Sibling(s) Relative(s) (kin) Foster Parent(s)  Current Guardian Spouse Partner/Significant Other Child(ren) Unrelated Person(s)
03=Update 13=Correction/Update 04=Activate 14=Correction/Activate 05=Discharge 15=Correction/Discharge 06=Evaluation Only 16=Correction/Evaluation Only  TYPE OF UPDATE [54]  1=Annual 4=Assessment for Residential Services (< 18) 2=Interim 5=Medicaid Status Change 3=Psych Hospital Admission 9=Not an Update	CURRENT EMPLOYMENT STATUS  1=Employed-Full Time 2=Employed-Part Time 3=Homemaker-Not Otherwise Employed 4=Supported Employment  5=Not in Labor Force 6=Unemployed < 3 Months 7=Unemployed ≥ 3 Months 8=Armed Forces (Active Milit. Duty)
IF = 3, Enter CDPHE ID # Below  CDPHE ID # [Manual Appendix] [55-60]	VOLUNTEER EMPLOYMENT 1=None 2= 1 - 10 Hrs/Week 3=Greater than 10 Hrs/Week
ADMISSION STATUS [61]	, ANNUAL HOUSEHOLD INCOME [122-127]
1=New Admission 3=Readmission prior FY 2= Readmission this FY	NUMBER OF PERSONS SUPPORTED BY INCOME 1=Consumer Only; 2=2; etc.; 9=9 or more
Code ALL boxes using: 1=Yes 2=No Meds Only Client [63]	HIGHEST EDUCATION LEVEL IN YEARS (GED =12) [129-130]
Meds Only Client [63]   Housing Only Client [64]   Assessment for Residential Services (< 18/Admission) [65]	PRESENTING PROBLEM HAS EXISTED 1 YEAR OR LONGER [131] $1 = \ge 1 \text{ Year} \qquad 2 = < 1 \text{ Year}$
LEGAL STATUS [66-67]	. PRIMARY PSYCHIATRIC DIAGNOSIS [132-136]
01=Voluntary 06=Long Term Certification 02=Court-Directed Voluntary 07=Voluntary Hospitalization of Minors 03=Forensic 08=Children's Code C.R.S.19-1-101	SECONDARY PSYCHIATRIC DIAGNOSIS [137-141]
04=72-Hour Eval & Treatment 09=Emer/Invol Alcohol/Drug Commitment	. SUBSTANCE ABUSE DIAGNOSIS (if any) [142-146]
05=Short Term Certification 10=Conditional Release	CURRENT MEDICATIONS [147-149] Code ALL boxes using: 1=Yes 2=No
	Anti-Psychotic: New Generation Anti-Psychotic: Traditional
GENDER: 1=Male 2=Female * [79]	Other Psychoactive  CURRENT NON-PRESCRIPTION SUBSTANCE USE [150-160]
DISABILITIES  Code ALL boxes using: 1=Yes 2=No  Developmental Disability Deaf/Sev Hearing Loss Blind/Sev Visual Impair Speech Impairment  [75]  [80-86]  Non-Ambulatory/Assist Learning Disability CNS Disorder	CURRENT NON-PRESCRIPTION SUBSTANCE USE [150-160]  Code All boxes using: 1=Yes 2=No  Caffeine  Tobacco Barbiturates/Sedatives/Tranquilizers Alcohol Amphetamines/Stimulants Hallucinogens Cocaine/Crack Heroin  Triage Popular Health Medical Contex Only  (62)

6

0

DAILY LIVING / PERSONAL

0

Mod. High

Function

Verv Hiah

Function

Very Low

0

Some

0

0

**CARE FUNCTIONING (C-36)** 

0

6

Mod. Low

Function

Average

Function

0

[425]

0

8

Very Low

Function

0

Moderate

0

O SSDI

High

0

O Medicare

Very High

of Residence

Unknown

029

031

033

Delta

Denver

Dolores

CCAR is a clinical assessment of Problems, Strengths and Functioning. It contains information on:

Identification Socio-Demographic / History Diagnostic

Problems / Problem Severity Strengths / Strength Rating Level of Functioning

Problems are in 20 domains, each consisting of a severity rating and 5 or more checklist items.

An Overall Problem Severity rating is included.

A rating of Change in Severity since last CCAR is also included.

Strengths are in 6 domains, each consisting of a strengths rating and 3 or more checklist items.

An Overall Strengths rating is included.

A rating of Change in Strengths since last CCAR is also included.

CCAR data was factor analyzed. 19 primary scales were created by combining checklist and severity rating information and normed on 20,000 CCARs from FY9798. Strengths scales were created in like manner. Scales have internal consistency reliabilities across scales ranging from .67 to .87. (Psychometrics available from MHS) Interrater agreement for adults across scales ranges from 47% to 85% and from 56% to 86% for youth. (Interrater Reliability Final Report available from MHS) Sixteen scales are used routinely: Depression, Anxiety, Mania, Attention, Thought, Disrespect, Interpersonal, Suicide, Self Care, Dangerous, Security, Family, Role, Medical, Substance and Legal. Initial studies with Strengths divided them into High and Low, however, further development is in process.

Scales form the basis of Clinical Profiles created using Cluster Analysis. Separate Profiles are created for Youth and Adults. There are 11 clusters per age group; 9 parallel and 2 unique to each age group.

CCAR was developed over the last 25 years. It has been required on all Admissions and Discharges to Colorado Public Mental Health System since 1978. It has undergone major revisions with the start of Colorado's Managed Care program and with the need to add strengths and better address Child-Adolescent issues. Services data has been collected since 1995 and has been matched with CCARs at the client level for studies and reports. CCAR has been used in Arizona, Delaware, Florida, Wyoming, and Ontario and is in ORYX, the list of recommended tools for State Hospitals.

CCAR has many uses. Initially it was used to count admissions for monitoring performance contracts between Colorado and the mental health centers. Single variable studies such as ethnicity, income, and diagnosis are commonly done. Trends can be examined for periods ranging from quarterly to several years. However, outcome is most often studied.

CCARs are required at Admission, Annual Review and Discharge and episodes of any length can be studied. It is possible to assess change on as many measures as are on the CCAR; for each this would be: Change Begin to End. Additional ratings, Retrospective Assessment of Change Made in problem Severity or Strengths or Level of Functioning is done at End provide independent measures of change. Variables most commonly used for outcome studies include: Problem Scales, Strength Scales, Level-Of-Functioning, Diagnosis, Living Situation, Employment, Legal Status, Action Type (Admission, Review, etc.) and Client Type. Also available at closing are Type of Termination and Referral. Outcome studies often need to control for certain variables such as problem severity at Begin. CCAR contains a wide range of such variables. In addition, variables, such client type, make it possible to identify and control for case mix differences and explore outcomes for these clinical types, which are more robust as descriptors of treatment populations.

In summary, the CCAR is well established, well researched, and lends itself well to applied research studies. Its utility in Colorado's public mental health system is known; it provides information on everything from simple counts published annually (Orchid Reports) to Allocation formulas for incentives awards. Linked with services, it can provide information on cost benefit and other more complex kinds of research guestions.