# Development of Patient Experience Questionnaire Measuring Patient Satisfaction and Quality Care In Behavioral Healthcare Environment

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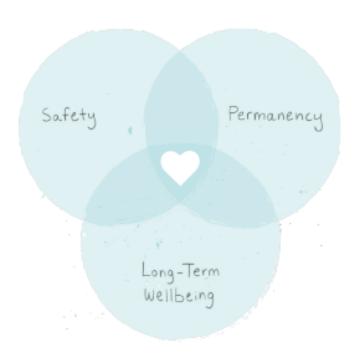
# Disclosures

The speakers have no conflicts of interest to disclose

# Learning Outcomes

Upon completion of this presentation, participants will be able to:

- Describe KVC Kentucky and its family, child, and youth behavioral health services
- 2. Describe the development process of the KVC Kentucky Consumer and Family Member Experience and Satisfaction Surveys
- 3. Discuss the psychometric properties and utility of applying the KVC Kentucky Consumer and Family Member Experience and Satisfaction Surveys



### KVC Health Systems: Vision, Mission, Values

#### Vision

 Providing leadership in behavioral healthcare, social services, and professional education through the provision of service delivery models with proven quality and fiscal accountability.

#### Mission

 To enrich and enhance the lives of children and families by providing medical and behavioral healthcare, social services and education.

#### Values

- Excellence is not an act; it's a habit
- With privilege comes responsibility
- Children grow best in families
- Families know best
- Children can't wait

# 🔯 KVC Kentucky KIPDA Rural

Frankfort

Behavioral Health Services

Family Preservation &

Reunification Services

Foster Care

Office:420 Capital Ave,

Frankfort, KY 40601

#### Northern Bluegrass Florence

Behavioral Health Services Family Preservation & Reunification Services Foster Care

> Office: 217 Main St. Florence, KY 41042

#### Gateway/Buffalo Trace Morehead

Behavioral Health Services Family Preservation & Reunification Services Foster Care

Office: 316 E. Main St. Morehead, KY 40351.

Fleming

Bath

Lewis

Rowan

Montgomery Menifee Morgan

Greenup

Lawrence

Pike

Carter

Elliott

Mason

Pendleton Bracken

Bourbon-

Clark

Harrison

Fayette

Grant

Scott

Owen<sup>3</sup>

ranklin

Anderson

Woodford

Oldham Henry

Shelby

#### FIVCO Ashland

Family Preservation & Reunification Services Foster Care Office: 6417 US Route 60 Ashland, KY 41102

#### Big Sandy Prestonsburg Behavioral Health

Services Family Preservation & Reunification Services Foster Care

Office: 561 N. Lake Dr. Prestonsburg, KY 41653

#### Johnson Martin essa mine -Rowell' Wolfe. Mercer). Magoffin Madison Estil Floyd Boyle Garrod Q Lee Breathitt 3 Owsley Lincoln Knott Репту Letcher, Leslie

#### **Bluegrass Rural** Richmond

Bullitt

Behavioral Health Services Family Preservation & Reunification Services Foster Care

Office: 324 Highland Park Dr. Richmond, KY 40475

#### Bluegrass Fayette

Lexington Behavioral Health Services Family Preservation & Reunification Services Foster Care Office: 2250 Thunderstick Dr. Lexington, KY 40505

Office: 101 Bulldog Ln. Hazard, KY 41701

KY River Hazard

Behavioral HealthServices Family Preservation &

Reunification Services

Foster Care

### **KVC Kentucky**

- KVC was born in 1970
- Croney and Clark, Inc. in 1999
- KVC/Croney and Clark, later known as KVC Kentucky in 2009.
- Merger brought about a greater capacity for service and commitment to Kentucky's children who are in out-of-home care that continues to this day.
- Philosophy of service guided by professional team's collective years of mental health services and clinical experience, as well as state-of-the-art research findings and "best practice" standards.
- Currently, we have 225+ employees



# **KVC Kentucky Services**

- Behavioral Health Services (BHS)
- Treatment Foster Care (TFC)
- Family Preservation and Reunification Services (FPRS)
- Kentucky Strengthening Ties and Empowering Parents (KSTEP)





#### Over the last year, we helped people in many ways:

#### TOTAL IMPACT

Over 12,000 children and adults served each year



4.8 out of 5.0

consumer experience rating across all our programs

#### STRENGTHENING FAMILIES

7,041

children in



3,128

families received family preservation services aimed at safely preventing foster care



2,819

children safely

prevented from entering foster care

96% of children

safely remained with or reunited with their families after receiving family preservation and reunification services

#### BEHAVIORAL HEALTH

925

children and adults benefited from behavioral health services

53

individuals served in our walk-in behavioral health clinic



youth received substance use treatment



#### **FOSTER CARE**

47 children cared for by KVC foster families



### Developing the Consumer Experience and Satisfaction Survey

- August 2<sup>nd</sup> 2017: Meeting between UK College of Nursing and KVC Kentucky regarding Consumer Satisfaction Survey
- August 23<sup>rd</sup> 2017: KVC Work-group developed a Client Satisfaction Survey draft after review of:
  - The Picker Patient Experience Questionnaire (PPE 15, Jenkinson, Coulter, & Bruster, 2002)
  - Client Satisfaction Questionnaire (CSQ 8, Attkisson & Greenfield, 1995)
  - Patient Satisfaction Questionnaire (PSQ, Marshall & Hays, 1994)
  - Outcome Rating Scale and Session Rating Scale (ORS, SRS; Miller, Duncan, Brown, Sparks, Claud, 2003)
- Finalized surveys by February 2018

# Consumer and Family Experience Surveys

- •23 items each
  - 5 point Likert scale (strongly agree to strongly disagree)
- •5 domains each
  - Service team skills
  - Service team manners
  - Perceived outcomes
  - Improved functioning
  - Accessibility of services

| KVC Behavioral HealthCare Kentucky, Inc.  Kentucky Family Preservation & Reunification Services  Prople matter  2250 Thunderstick Drive, Suite 1104  Consumer  Experience Survey | Agree Agree Agree Neutral Neutral Neutral Agree Medicabree Agree Agricable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | KVC Behavioral HealthCare Kentacky, Inc. Family Preservation & Resunfication Services 2250 Tanndersinck Drive, State 1104 Lexington, Kennetzly 40505 (839) 234-1035 | Family<br>Experience Survey                       | Strongly<br>Agree<br>Agree | Neutral<br>Disagree | Strongly<br>Disagnee |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------|---------------------|----------------------|
| Service Team Skills                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Service Team Skills                                                                                                                                                 |                                                   |                            |                     |                      |
| The service team assisted me in identifying my needs.                                                                                                                            | 000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | The service team assisted me and my family in identifying or                                                                                                        | ır needs.                                         | 000                        | 0 0                 | 0                    |
| My service plan was created based on goals I identified.                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Our service plan was created based on goals we identified.                                                                                                          |                                                   | 000                        | 0 0                 | 0                    |
| The service team and I followed a plan designed to meet my needs.                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The service team and my family followed a plan designed to                                                                                                          | meet our needs.                                   | 000                        |                     | 0                    |
| I felt supported in making needed changes to my plan.                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | We felt supported in making needed changes to our plan.                                                                                                             |                                                   | 000                        | 0 0                 | 0                    |
| I was able to help design my aftercare plan before finishing my services.                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | We were able to help design the aftercare plan before finish                                                                                                        |                                                   | 00                         | 0 0                 | 0                    |
| After services ended, I was able to use my aftercare plan.                                                                                                                       | 000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | After services ended, we were able to use the aftercare plan                                                                                                        | ).                                                |                            |                     | 0                    |
| Service Team Manners                                                                                                                                                             | 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Service Team Manners                                                                                                                                                |                                                   |                            |                     |                      |
| I feel the service team respected my culture (race, religion, culture, sexuality, etc.).                                                                                         | 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | We feel the service team respected our family culture (race,                                                                                                        |                                                   | 000                        | 0 0                 | 0                    |
| I feel the service team treated me with dignity and respect.                                                                                                                     | 888888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | We feel the service team treated us with dignity and respect                                                                                                        | t.                                                | 000                        |                     | 0                    |
| I felt supported by the service team.                                                                                                                                            | 888888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | We felt supported by the service team.                                                                                                                              |                                                   | 1000                       | 0 0                 | 0                    |
| I understood what the service team was talking about with me.                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | We understood what the service team was talking about wit                                                                                                           | h us.                                             | 10101                      | 0 0 1               | 0                    |
| Perceived Outcomes                                                                                                                                                               | 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Perceived Outcomes                                                                                                                                                  |                                                   |                            |                     |                      |
| The service team supported me in learning and practicing new skills.                                                                                                             | 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | The service team supported us in learning and practicing ne                                                                                                         | w skills.                                         | 10 0 0                     | 0 0                 | 0                    |
| I feel good about the services I received.                                                                                                                                       | 888888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | We feel good about the services our family received.                                                                                                                |                                                   | 000                        | 0 0                 | 0                    |
| I would recommend KVC to a friend or family member.                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | We would recommend KVC to a friend or family member.                                                                                                                |                                                   | 1000                       |                     | 0                    |
| Improved Functioning                                                                                                                                                             | 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Improved Functioning                                                                                                                                                |                                                   |                            |                     |                      |
| I am better able to accomplish daily activities.                                                                                                                                 | 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | My family is better able to accomplish daily activities.                                                                                                            |                                                   | 000                        |                     | 0                    |
| I am better able to get along with my family.                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | My family is better able to get along with each other.                                                                                                              |                                                   | 000                        | 0 0                 | 0                    |
| I am better able to make and keep friends.                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | My family is better able to identify and maintain appropriate                                                                                                       | supports and services.                            | 10 0 0                     |                     | 0                    |
| I am better able to handle hard situations.                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | My family is better able to handle hard situations.                                                                                                                 |                                                   | 1000                       | 0 0                 | 0                    |
| I am better able to deal with a crisis.                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | My family is better able to deal with a crisis.                                                                                                                     |                                                   | 1000                       | 0 0                 | 0                    |
| I can find help when I need it.                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | My family can find help when we need it.                                                                                                                            |                                                   | 10101                      | 0 0 1               | 0                    |
| Accessibility                                                                                                                                                                    | 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Accessibility                                                                                                                                                       |                                                   |                            |                     |                      |
| The service team worked around my schedule.                                                                                                                                      | 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | The service team worked around our schedule.                                                                                                                        |                                                   | 181818                     | 5 0                 | <u>S</u>             |
| The service team met with me as scheduled.                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The service team met with us as scheduled.                                                                                                                          |                                                   | 181818                     |                     | 읮                    |
| I am satisfied with the after-hours support services.                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | We were satisfied with the after-hours support services.                                                                                                            |                                                   | 181818                     | $\frac{1}{2}$       | 읮                    |
|                                                                                                                                                                                  | 12 12 12 12 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | It was easy for my family to get all the services we needed.                                                                                                        |                                                   | 101010                     |                     | 0                    |
| It was easy for me to get all the services I needed.                                                                                                                             | 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | What about your services did you find helpful?                                                                                                                      | What about your service                           | as did you find up         | shalaful?           |                      |
| What about your services did you find helpful?  What about your services                                                                                                         | rvices did you find unhelpful?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | synat about your services did you find neighbir                                                                                                                     | What about your service                           | es ala you lilla a         | meipiui:            |                      |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | What could KVC do to make services better?                                                                                                                          | Please identify which p                           |                            | rinated ic:         |                      |
| What could KVC do to make services better? Please identify whic                                                                                                                  | h program you participated in:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | what could NVC do to make services better?                                                                                                                          |                                                   |                            |                     |                      |
|                                                                                                                                                                                  | on & Reunification Service (FPRS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     | ☐ Family Preservation & I ☐ Kentucky Strengthenin |                            |                     | (STED)               |
| ☐ Behavioral Health                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                     | □ Kentucky Strengthenin                           | g nes a empowerii          | ig Parents (K       | (STEP)               |
| ☐ Treatment Foster                                                                                                                                                               | Care (TFC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                     | Please specify which se                           | rvices vou receive         | ed:                 |                      |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | What are your concerns and/or complaints about the                                                                                                                  | ☐ Case Management                                 | ☐ Therapy                  |                     |                      |
|                                                                                                                                                                                  | services you received:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | services you received?                                                                                                                                              |                                                   |                            |                     |                      |
| services you received?   Case Management Comprehensive                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                     | Family Information:                               |                            |                     |                      |
| ☐ Therapy Community Support                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                     | Race:                                             |                            |                     |                      |
| □ Psychiatry                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                     | County:                                           |                            |                     |                      |
| Age: Gender: Race:                                                                                                                                                               | Whele consists the control of the co |                                                                                                                                                                     |                                                   | lember                     |                     |                      |
| Have you ever received services from KVC in the past? ☐ Yes ☐ No If Yes, pleas                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Have you ever received services from KVC in the past?                                                                                                               | Yes □ No If Yes, please s                         | pecify:                    |                     |                      |

# Study Purpose

- The purpose of the study was to psychometrically evaluate the KVC Kentucky Consumer and Family Experience Surveys with the aims of assessing:
  - 1. Reliability and
  - 2. Construct Validity



### Design and Procedure

- Retrospective analysis of 422 anonymous responses from families and consumers receiving KVC Kentucky services
- Surveys were sent electronically and paper and pencil out between March 1<sup>st</sup> to December 31<sup>st</sup>, 2018
- Approval from the University of Kentucky Medical Institutional Review Board (April 25<sup>th</sup>, 2019)

# CONSUMER EXPERIENCE SURVEY COMPLETERS (N=100)

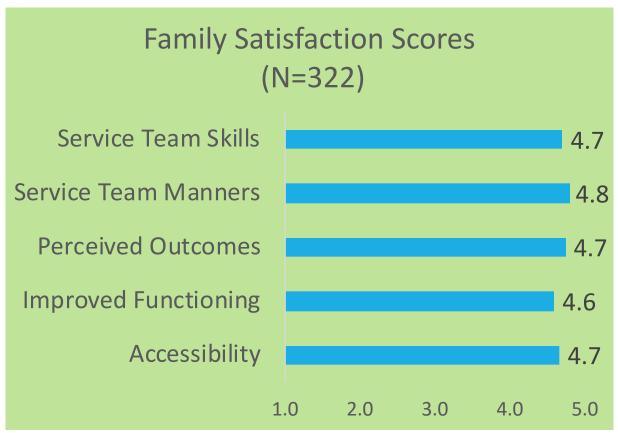
- Mean age 17.4 <u>+</u> 13.0 years
- 76.0% Caucasian
- 60.0% Females
- 60.0% Urban dwellers
- 78.0% First time service users
- 85.0% Behavioral Health Service (BHS) Program

### FAMILY EXPERIENCE SURVEY COMPLETERS (N=322)

- 87.6% Caucasian
- 45.7% Urban dwellers
- 98.4% Parents/Guardians
- 80.7% First time service users
- 94.7% Family Preservation (FP) Program
- 73.6% Case Management services

# Satisfaction with Services





# Reliability Analysis

- Inter-item correlation coefficients
  - Range of individual items between .15 to .85
  - Average between .15 and .50
- Cronbach's alpha coefficients
  - Range from 0 to 1
  - Values closer to 1 indicate higher internal consistency
  - Values ≤0.7 should be used with caution

# Validity Analysis

- Exploratory factor analyses
  - Eigen values > 1 indicate factors
  - Percent variance explained ranges from 0 to 100%
  - Dimensions tell if there are more than one way to explain the concepts (latent variables) explained by the measures
  - Item loadings are how strong the item is correlated to overall concept (within a subscale or as a whole)

| Subscale             | Number of items | Cronbach's Alpha | Inter-Item Correlation |
|----------------------|-----------------|------------------|------------------------|
| Service Team Skills  | 6               | 0.874            | 0.587                  |
| Service Team Manners | 4               | 0.903            | 0.766                  |
| Perceived Outcomes   | 3               | 0.864            | 0.768                  |
| Improved Functioning | 6               | 0.929            | 0.695                  |
| Accessibility        | 4               | 0.868            | 0.642                  |
|                      |                 |                  |                        |

# CONSUMER EXPERIENCE SURVEY SUBSCALE ITEM ANALYSES

| Fit indices)                                |       | Dimensions | Variance |             |  |
|---------------------------------------------|-------|------------|----------|-------------|--|
| ervice Team Skills<br>KMO=0.84. BTS<0.001)  | 3.953 | 1          | 66.0%    | 0.690-0.890 |  |
| ervice Team Manners<br>KMO=0.75. BTS<0.001) | 2.533 | 1          | 84.0%    | 0.909-0.932 |  |
| erceived Outcomes<br>KMO=0.50. BTS<0.001)   | 1.768 | 1          | 88.0%    | 0.940-0.940 |  |
| mproved Functioning KMO=0.89. BTS<0.001)    | 4.474 | 1          | 75.0%    | 0.821-0.897 |  |
| Accessibility KMO=0.82. BTS<0.001)          | 2.871 | 1          | 72.0%    | 0.814-0.886 |  |
|                                             |       |            |          |             |  |

**Number of** 

**Percent** 

Eigenvalue

**Item loadings** 

**Subscale** 

# CONSUMER EXPERIENCE SURVEY FACTORIAL ANALYSES

| ltems                                                            | Item Loadings |             |
|------------------------------------------------------------------|---------------|-------------|
|                                                                  | Dimension 1   | Dimension 2 |
|                                                                  | (Services)    | (Outcomes)  |
| The service team assisted me in identifying my needs.            | 0.651         | 0.334       |
| Able to help design my aftercare plan before finishing services. | 0.281         | 0.885       |
| After service ended, I was able to use my aftercare plan.        | 0.195         | 0.881       |
| I would recommend KVC to a friend or family member.              | 0.790         | 0.300       |
| I am better able to accomplish daily activities.                 | 0.724         | 0.377       |
| I am better able to make and keep friends.                       | 0.781         | 0.225       |
| I am better able to handle hard situations.                      | 0.736         | 0.296       |
| The service team worked around my schedule.                      | 0.672         | 0.490       |
| I am satisfied with the after-hours support services.            | 0.847         | 0.076       |
| It was easy for me to get all the services I needed.             | 0.643         | 0.425       |

# CONSUMER EXPERIENCE SURVEY-SHORT FORM (10-Items) Cronbach's Alpha = 0.917. Inter-Item Correlation = 0.541.

Variance explained by dimensions = 67%. KMO = 0.905. BTS < 0.001. MSA range = 0.825-0.943.

| Service Team Manners                            | 4 | 0.901 | 0.696 |  |  |
|-------------------------------------------------|---|-------|-------|--|--|
| Perceived Outcomes                              | 3 | 0.810 | 0.602 |  |  |
| Improved Functioning                            | 6 | 0.913 | 0.635 |  |  |
| Accessibility                                   | 4 | 0.799 | 0.540 |  |  |
| FAMILY EXPERIENCE SURVEY SUBSCALE ITEM ANALYSES |   |       |       |  |  |

Cronbach's Alpha

0.895

**Inter-Item Correlation** 

0.608

**Number of items** 

6

Subscale

Service Team Skills

| (                                          |       |   |       |             |
|--------------------------------------------|-------|---|-------|-------------|
| Perceived Outcomes (KMO=0.71. BTS<0.001)   | 2.204 | 1 | 73.0% | 0.840-0.875 |
| Improved Functioning (KMO=0.89. BTS<0.001) | 4.192 | 1 | 70.0% | 0.693-0.920 |
| Accessibility (KMO=0.79. BTS<0.001)        | 2.628 | 1 | 66.0% | 0.755-0.863 |
|                                            |       |   |       |             |

FAMILY EXPERIENCE SURVEY FACTORIAL ANALYSES

**Number of** 

**Dimensions** 

**Percent** 

**Variance** 

67.0%

77.0%

**Item loadings** 

0.753-0.889

0.818-0.908

Eigenvalue

4.029

3.095

Subscale

Service Team Skills

(KMO=0.90. BTS<0.001)

**Service Team Manners** 

(KMO=0.82. BTS<0.001)

| Items                                                                                      | Item Loading |             |  |  |
|--------------------------------------------------------------------------------------------|--------------|-------------|--|--|
|                                                                                            | Dimension 1  | Dimension 2 |  |  |
|                                                                                            | (Services)   | (Outcomes)  |  |  |
| The service team assisted my family in identifying our needs.                              | 0.743        | 0.210       |  |  |
| Our service plan was created based on goals we identified.                                 | 0.725        | 0.421       |  |  |
| We felt supported in making needed changes to our plan.                                    | 0.779        | 0.327       |  |  |
| We were able to design the aftercare plan before finishing services.                       | 0.631        | 0.390       |  |  |
| We feel the service team respected our family culture.                                     | 0.824        | 0.242       |  |  |
| We understood what the service team was talking about with us.                             | 0.759        | 0.326       |  |  |
| The service team supported us in learning and practicing new skills.                       | 0.658        | 0.434       |  |  |
| Feel good about the services our family received.                                          | 0.782        | 0.387       |  |  |
| Family is better able to accomplish daily activities.                                      | 0.349        | 0.725       |  |  |
| Family is better able to get along with each other.                                        | 0.199        | 0.848       |  |  |
| Family is better able to identify and maintain appropriate supports                        | 0.357        | 0.733       |  |  |
| Family is better able to deal with a crisis.                                               | 0.264        | 0.795       |  |  |
| My family can find help when we need it.                                                   | 0.399        | 0.574       |  |  |
| We were satisfied with the after-hours support services.                                   | 0.290        | 0.609       |  |  |
| Variance explained by dimensions = 62%. KMO = 0.952. BTS < 0.001. MSA range = 0.922-0.971. |              |             |  |  |
| FAMILY EXPERIENCE SURVEY-SHORT FORM (14-Items)                                             |              |             |  |  |
| Cronbach's Alpha = $0.936$ . Inter-Item Correlation = $0.534$ .                            |              |             |  |  |

# Summary of Findings

- The KVC surveys both demonstrated suitable reliability and validity
  - Subscales on Consumer Experience survey had Cronbach's alphas from 0.868-0.929;
     and percent variances from 66.0% to 88.0%
  - Subscales on the Family Experience survey had Cronbach's alphas from 0.799-0.913;
     and percent variances from 66.0% to 77.0%
- Reduced survey versions demonstrated slightly improved reliability and validity
  - Consumer Experience survey (Cronbach's alpha=0.917; Inter-item correlation=0.541)
  - Family Experience survey (Cronbach's alpha=0.936; Inter-item Correlation=0.534)

### **Future Directions**

- Refine the survey as needed
- Adopt the surveys to be used KVC system-wide with option of the long or short form depending on service setting
- Continue evaluating outcomes of services beyond consumer satisfaction
  - Examine specific service outcomes (e.g., outcome of therapeutic modalities on specific outcome measures
  - Examine service impact (e.g., community level service outcomes)

# References

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# Questions

