

**Illinois Department of Human Services  
Division of Alcoholism and Substance Abuse  
Provider Performance and Outcomes Report  
Client Engagement, Retention, and Continuity of Care Measures  
Performance Measure Definitions and Formulas  
State Fiscal Year 2013**

**Source of Provider Performance and Outcomes Report Data.** Data used in the calculation of performance measures included in these reports consists of clinical service billings submitted by IDHS/DASA funded treatment providers and accepted for reimbursement through DARTS as of the date of the particular report, for clients opened during Illinois State Fiscal Year 2013. This data is received in the form of a text file extracted from the DARTS main database in Springfield. The DARTS data fields that define the structure of this text file are restricted to those required to calculate and report the provider performance measures included in these reports. In addition to the required service level and intensity information, each extracted service billing includes the assigned IDHS Recipient Identification Number (RIN) for the client receiving the service, and selected information provided as part of the demographic record created for the particular treatment episode. The demographic record also includes the baseline National Outcome Measures (NOMS) data reported for the clients at time of opening, and if applicable, the NOMS data reported at time of transfer from a level of care within the treatment episode, or discharge from and completion of the treatment episode. For the purposes of these reports, transfers to other levels of care within the same treatment episode are treated as separate openings in the calculation of level-specific measures. For example, a client who was opened in detox, then transferred to Level III.5, and subsequently transferred to Level I within the same treatment episode, would be included in the performance measure analyses for all three levels of care.

**Client Service Level Classification.** The first setting code and start date entered on the Client/Patient Service Setting Screen that is created in DARTS at time of admission defines an opening into a particular level of care. The clinical service billings accepted in DARTS for the particular client after opening is the source of data used to calculate most of the performance measures specific to the client's level of participation in a particular level of care. Some retention and continuity of care measures are based on information reported for the client at time of transfer to another level of care within the treatment episode, or at time of discharge from the treatment episode. Depending on the particular measure, this information consists of the transfer/discharge reason type and/or particular NOMS data.

**Definitions of Clinical Service Billings.** The following clinical service billing types are included in the provider performance measure analyses: Assessment (AAS); Detoxification Day (DXD or DXT); Level I Individual Session (OPI); Level I Group Session (OPG); Level II Individual Session (IOD); Level II Group Session (IOG); Level III.5 Adult Day (DCA or RHB); Level III.5 Adolescent Day (DCY or RHY); Level III.1 (Halfway House) Day (HHD); and Recovery Home Day (RHD).

**IDHS/DASA Performance Measure Definitions.** The tables on the following pages provide definitions of the engagement, retention, and continuity of care performance measures for each of the levels of care represented in these reports, and the formulas for their calculation. The IDHS/DASA provider performance reports include calculations of these performance measures by fiscal year quarter and cumulative year-to-date, for each level of care offered by the provider organization. The performance measure levels reported for a particular fiscal year quarter are based on services provided to clients **opened** during that particular quarter.

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 Performance Measure Definitions and Calculation Formulas**

<b>Detoxification Performance Measures</b>		
<b>Performance Measure</b>	<b>Calculation Formula</b>	
<b>% (#) of Opened Detoxification Clients/Length of Stay of at Least Two Days (Measure of Engagement)</b>	$\frac{(\# \text{ of Detoxification Clients Opened during Reporting Period Who had at Least Two Billed Detoxification Service Days})}{(\text{Total } \# \text{ of Detoxification Clients Opened during Reporting Period})}$	X 100
<b>% (#) of Transferred/Discharged Detoxification Clients/Completion (Measure of Retention)</b>	$\frac{(\# \text{ of Transferred/Discharged Detox Clients with Completion as the Closure Reason})}{(\# \text{ of Detoxification Clients Opened during Reporting Period who were Transferred or Discharged as of the Latest Date Represented in the Extract})}$	X 100
<b>% (#) of Transferred/Discharged Detoxification Clients/Linked to Another Level of Care/ Same or Other IDHS/DASA-Funded Organization (Measure of Continuity of Care)</b>	$\frac{(\# \text{ of Transferred/Discharged Detoxification Clients Opened to Another Level of Care – Same or Other IDHS/DASA-Funded Provider})}{(\# \text{ of Detoxification Clients Opened during Reporting Period who were Transferred or Discharged as of the Latest Date Represented in the Extract})}$	X 100

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<b>Level I Performance Measures</b>		
<b>Performance Measure</b>	<b>Calculation Formula</b>	
<b>% (#) of Admitted Level I Clients who Received at Least Four Sessions during First 30 Days after Opening (Measure of Engagement)</b>	(# of Level I Clients who have a Duration between the Date of Opening and Date of Fourth DARTS Service Billing of 30 Days or Less) (Total # of Level I Clients Opened in Reporting Period)	X 100
<b>% (#) of Transferred/Discharged Level I Clients who Completed Treatment (Measure of Retention A)</b>	(# of Transferred/Discharged Level I Clients with Completion as the Closure Reason) (# of Level I Clients Opened during Reporting Period who were Transferred/Discharged as of the Latest Date Represented in the Extract)	X 100
<b>% (#) of Level I Clients with at Least 10 Sessions after First 30 Days (Measure of Retention B)</b>	(# of Level I Clients/At Least 10 Sessions/30 Days Post-Opening) (Total # of Level I Clients Opened in Reporting Period)	X 100
<b>% (#) of Level I Clients/At Least 10 Sessions after First 30 Days AND/OR Transferred/Discharged as Treatment Completion (Combined Measure of Retention)</b>	(# of Level I Clients Transferred/Discharged as Service Completion AND/OR At Least 10 Sessions/30 Days Post-Opening) (Total # of Level I Clients Opened in Reporting Period)	X 100
<b>% (#) of Transferred/Discharged Level I Clients/12-Step Group Participation during the 30 Days Prior to Transfer/Discharge (Measure of Continuity of Care A)</b>	(# of Transferred/Discharged Level I Clients/Self-Help Group Involvement During 30 Days Prior to Transfer/Discharge) (# of Level I Clients Opened during Reporting Period who were Transferred/Discharged as of the Latest Date Represented in the Extract)	X 100
<b>% (#) of Transferred/Discharged Level I Clients/Supportive Interaction during the 30 Days Prior to Transfer/Discharge (Measure of Continuity of Care B)</b>	(# of Transferred/Discharged Level I Clients/Supportive Interaction During 30 Days Prior to Transfer/Discharge) (# of Level I Clients Opened during Reporting Period who were Transferred/Discharged as of the Latest Date Represented in the Extract)	X 100
<b>% (#) of Transferred/Discharged Level I Clients/12-Step Group Participation AND/OR Supportive Interaction during the 30 Days Prior to Transfer/Discharge (Combined Measure of Continuity of Care)</b>	(# of Transferred/Discharged Level I Clients/Self-Help Group Involvement AND/OR Supportive Interaction During 30 Days Prior to Transfer/Discharge) (# of Level I Clients Opened during Reporting Period who were Transferred/Discharged as of the Latest Date Represented in the Extract)	X 100

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<b>Level II Performance Measures</b>		
<b>Performance Measure</b>	<b>Calculation Formula</b>	
<b>% (#) of Admitted Level II Clients who Received at Least 12 Sessions during First 30 Days after Opening (Measure of Engagement)</b>	(# of Level II Clients who have a Duration between the Date of Opening and Date of Twelfth DARTS Service Billing of 30 Days or Less) (Total # of Level II Clients Opened in Reporting Period)	X 100
<b>% (#) of Level II Clients with at Least 18 Sessions during First 60 Days (Measure of Retention A)</b>	(# of Level II Clients who have a Duration between the Date of Opening and Date of Eighteenth DARTS Service Billing of 30 Days or Less) (Total # of Level II Clients Opened in Reporting Period)	X 100
<b>% (#) of Transferred/Discharged Level II Clients who Completed Treatment (Measure of Retention B)</b>	(# of Transferred/Discharged Level II Clients with Completion as the Closure Reason) (# of Level II Clients Opened during Reporting Period who were Transferred/Discharged as of the Latest Date Represented in the Extract)	X 100
<b>% (#) of Level II Clients/At Least 18 Sessions in the First 60 Days AND/OR Transferred/Discharged as Treatment Completion (Combined Measure of Retention)</b>	(# of Level II Clients Transferred/Discharged as Service Completion AND/OR At Least 18 Sessions in the First 60 Days) (Total # of Level II Clients Opened in Reporting Period)	X 100
<b>% (#) of Transferred/Discharged Level II Clients/12-Step Group Participation during the 30 Days Prior to Transfer/Discharge (Measure of Continuity of Care)</b>	(# of Transferred/Discharged Level II Clients/Self-Help Group Involvement During 30 Days Prior to Transfer/Discharge) (# of Level II Clients Opened during Reporting Period who were Transferred/Discharged as of the Latest Date Represented in the Extract)	X 100
<b>% (#) of Transferred/Discharged Level II Clients/Supportive Interaction during the 30 Days Prior to Transfer/Discharge (Measure of Continuity of Care B)</b>	(# of Transferred/Discharged Level II Clients/Supportive Interaction During 30 Days Prior to Transfer/Discharge) (# of Level II Clients Opened during Reporting Period who were Transferred/Discharged as of the Latest Date Represented in the Extract)	X 100
<b>% (#) of Transferred/Discharged Level II Clients/12-Step Group Participation AND/OR Supportive Interaction during the 30 Days Prior to Transfer/Discharge (Combined Measure of Continuity of Care)</b>	(# of Transferred/Discharged Level II Clients/Self-Help Group Involvement AND/OR Supportive Interaction During 30 Days Prior to Transfer/Discharge) (# of Level II Clients Opened during Reporting Period who were Transferred/Discharged as of the Latest Date Represented in the Extract)	X 100

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<b>Level III.5 Performance Measures</b>		
<b>Performance Measure</b>	<b>Calculation Formula</b>	
<b>% (#) of Opened Level III.5 Clients/Length of Stay of at Least Seven Days (Measure of Engagement)</b>	(# of Level III.5 Clients Opened during Reporting Period <u>Who had at Least Seven Billed Residential Rehabilitation Service Days</u> ) (Total # of Level III.5 Clients Opened during Reporting Period)	X 100
<b>% (#) of Opened Level III.5 Clients/Length of Stay of at Least 14 Days (Measure of Retention)</b>	(# of Level III.5 Clients Opened during Reporting Period <u>Who had at Least 14 Billed Residential Rehabilitation Service Days</u> ) (Total # of Level III.5 Clients Opened during Reporting Period)	X 100
<b>% (#) of Transferred/Discharged Level III.5 Clients/Linked to a Lower Level of Care/Same or Other IDHS/DASA-Funded Organization (Measure of Continuity of Care)</b>	(# of Transferred/Discharged Level III.5 Clients Opened <u>to Lower Level of Care/Same or Other IDHS/DASA-Funded Provider</u> ) (# of Level III.5 Clients Opened during Reporting Period who were Transferred or Discharged as of the Latest Date Represented in the Extract)	X 100

<b>Halfway House (Level III.1) Performance Measures</b>		
<b>Performance Measure</b>	<b>Calculation Formula</b>	
<b>% (#) of Opened Level III.1 Clients/Length of Stay of at Least Seven Days (Measure of Engagement)</b>	(# of Level III.1 Clients Opened during Reporting Period <u>Who had at Least Seven Billed Halfway House Service Days</u> ) (Total # of Level III.1 Clients Opened during Reporting Period)	X 100
<b>% (#) of Opened Level III.1 Clients/Length of Stay of at Least 14 Days (Measure of Retention)</b>	(# of Level III.1 Clients Opened during Reporting Period <u>Who had at Least 14 Billed Halfway House Service Days</u> ) (Total # of Level III.1 Clients Opened during Reporting Period)	X 100
<b>% (#) of Transferred/Discharged Level III.1 Clients with Service Completion AND Positive Status on at Least One of the following NOMS Domains: Employment, Housing, Self-Help Group Involvement, and/or Abstinence from Alcohol and Other Drugs (Measure of Continuity of Care)</b>	(# of Transferred/Discharged Level III.1 Clients/Service Completion AND <u>Positive Status in at Least One of the Selected NOMS Domains</u> ) (# of Level III.1 Clients Opened during Reporting Period who were Transferred or Discharged as of the Latest Date Represented in the Extract)	X 100

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<b>Recovery Home Performance Measures</b>		
<b>Performance Measure</b>	<b>Calculation Formula</b>	
<b>% (#) of Opened Recovery Home Clients/Length of Stay of at Least Seven Days (Measure of Engagement)</b>	(# of Recovery Home Clients Opened during Reporting Period <u>Who had at Least Seven Billed Recovery Home Service Days</u> ) (Total # of Recovery Home Clients Opened during Reporting Period)	X 100
<b>% (#) of Opened Recovery Home Clients/Length of Stay of at Least 30 Days (Measure of Retention)</b>	(# of Recovery Home Clients Opened during Reporting Period <u>Who had at Least 30 Billed Recovery Home Service Days</u> ) (Total # of Recovery Home Clients Opened during Reporting Period)	X 100
<b>% (#) of Transferred/Discharged Recovery Home Clients with Service Completion AND Positive Status on at Least One of the following NOMS Domains: Employment, Housing, Self-Help Group Involvement, and/or Abstinence from Alcohol and Other Drugs (Measure of Continuity of Care)</b>	(# of Transferred/Discharged Recovery Home Clients/Service Completion AND <u>Positive Status in at Least One of the Selected NOMS Domains</u> ) (# of Recovery Home Clients Opened during Reporting Period who were Transferred or Discharged as of the Latest Date Represented in the Extract)	X 100