

## Procedures for Preparing Outcomes Expected (OE) and Outcomes Received (OR) for Missing Data Reports

The following are the steps that OPER goes through in preparing each Missing Data Report:

1. Identify the time frame for the Missing Data Report: A one-year period is included in each Missing Data Report because at least one assessment is required within the time frame for each consumer. A three-month lag period is allowed for update of MACSIS claims data and Outcomes data (i.e., data analysis will involve both claims data and Outcomes data between 15 months and three months earlier than the date of production data for the analysis. For example, data analysis for January 1, 2005 to December 31, 2005 will employ production data aggregated for that time period by March 2006).
2. Request data files from MACSIS claims data and Outcomes Data.
3. Outcomes Expected (OE): Identify the major service provider for each consumer with one or more claims for Assertive Community Treatment (ACT-Clinical & Non-Clinical), Intensive Home Based Treatment (IHBT-Clinical & Non-Clinical), Community Psychiatric Supportive Treatment<sup>1</sup> (CPST), Behavioral Health Counseling and Therapy<sup>2</sup> (BHCT), Partial Hospitalization (PH), Pharmacologic Management<sup>3</sup> (PM), Employment/Vocational (EV), Social & Recreational (SR), Occupational Therapy (OT), or Adjunctive Therapy (AT). The major service provider for each consumer within the time frame of the report will be assigned according to the algorithm outlined in the flow chart attached.
4. Outcomes Received (OR): Merge Outcomes production files for various instruments for adults and youth/kids respectively. For adult data, files from Adult Consumer A, Adult Provider A and Adult Consumer B will be merged. For youth/kids data, files from Ohio Scales Youth, Ohio Scales Parent, Ohio Scales Worker, and CAFAS will be merged. The merged data files will be examined and records with all Outcomes data missing will be excluded (i.e. records have to have at least one actual Outcomes item completed; records with only the "Tracking Sheet" variables completed will not be included).
5. Outcomes Received (OR): Identify the major service provider for Outcomes data received. For each unique consumer of Outcomes Expected data from (3) above:
  - If no Outcomes rating is received for a consumer, the Outcomes Received column for the major service provider is left blank.
  - If one or more Outcomes ratings are received and none of these Outcomes ratings comes from the service provider corresponding to Outcomes Expected for that consumer, the service provider corresponding to Outcomes Expected will be replaced by service provider(s) submitting Outcomes ratings. The service provider(s) submitting Outcomes ratings will be assigned as both Outcomes Expected and Outcomes Received service providers.
6. For any record from Outcomes data without any match within MACSIS claims data, the service provider will be assigned as the Outcomes Expected service provider and the record added to the column for Outcomes Expected as well as for Outcomes Received.
7. For any record from MACSIS Adult claims data that does not have a corresponding Adult Outcomes rating, if a valid Youth Outcomes was submitted during the time period of the Missing Data Report, the record will be removed from the Adult Outcomes Expected column and added to the Youth Outcomes Expected and Outcomes Received columns. Similarly, if a Youth MACSIS claim does not have a corresponding Youth Outcomes rating but does have an Adult Outcomes rating, that UCI will be removed from the Youth Expected column and added to the Adult Outcomes Expected and Outcomes Received columns.
8. Aggregated data files listing numbers of Outcomes Expected and Outcomes Received for each service provider will then be prepared for the Missing Data Report.

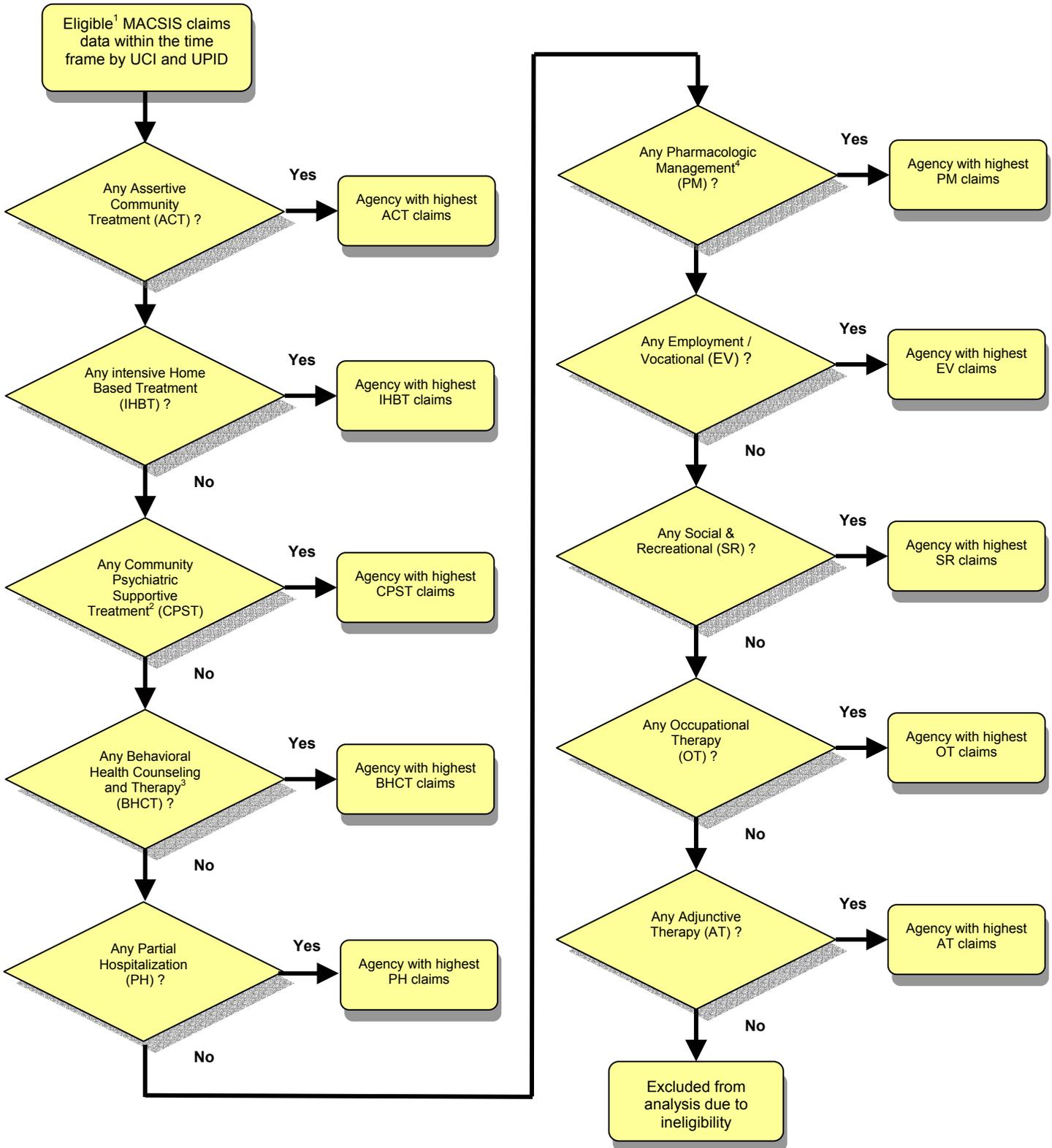
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<sup>1</sup> Corresponds to Individual Community Support and Group Community Support in MACSIS Data Mart.

<sup>2</sup> Corresponds to Individual Counseling and Group Counseling in MACSIS Data Mart.

<sup>3</sup> Corresponds to Medication Somatic in MACSIS Data Mart.

## Identifying Primary Service Provider for Outcomes Expected in Missing Data Report



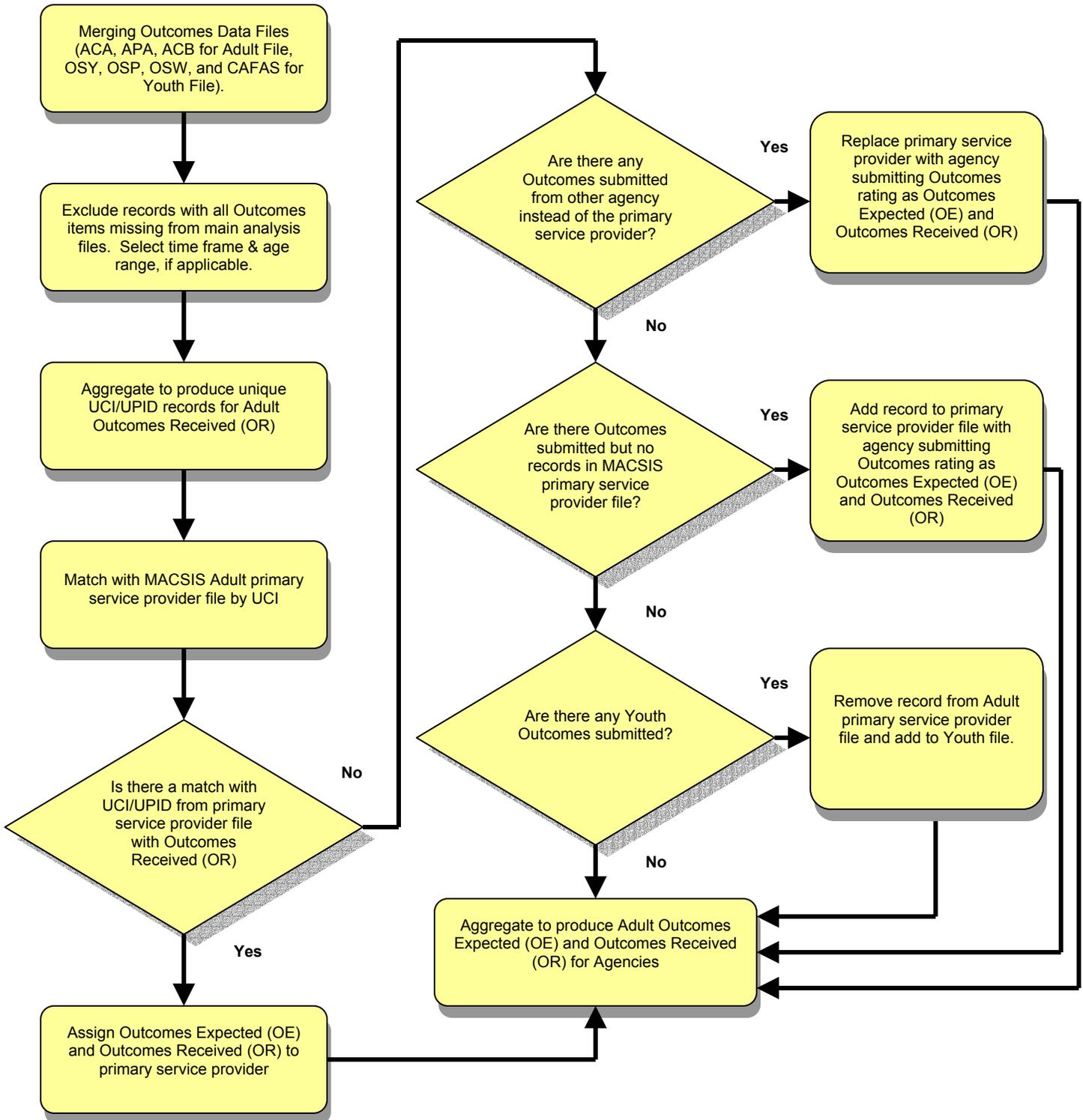
<sup>1</sup> For detail information about eligibility and exemption criteria please refer to The Ohio Mental Health Consumer Outcomes System Procedural Manual Chapter 3, available at <http://www.mh.state.oh.us/oper/outcomes/instruments/procedural.manual.pdf>.

<sup>2</sup> Corresponds to Individual Community Support and Group Community Support in MACSIS Data Mart.

<sup>3</sup> Corresponds to Individual Counseling and Group Counseling in MACSIS Data Mart.

<sup>4</sup> Corresponds to Medication Somatic in MACSIS Data Mart.

### Compiling Agency Level Adult Outcomes Received (OR) and Adult Outcomes Expected (OE)



\* Similar steps are employed to compile Agency Level Youth Outcome Received (OR) and Youth Outcomes Expected (OE) by reversing Adult and Youth data files.