



Deciphering Member Enrollment by Using the Enhanced Member Month Table

Onpoint User Group Sessions

Onpoint Health Data
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Enrollment Data

- Enrollment data is provided to APCDs through the eligibility file
 - One record per member per month
 - Actual eligibility start and end dates
- Represents the member's coverage for the month in question at the time the record was sent
- APCDs vary in how they incorporate retroactive eligibility
 - Replacement files
 - Rolling eligibility

Enrollment Data

- Challenges with using the eligibility files for analytics
 - Member months is a key metric
 - Denominator file
 - Determination of primary
 - » Coordination of benefits
 - » Dual-eligible
 - » Third-party liability (TPL)
 - Medical, pharmacy, and dental in one table

Member Month as a Key Tool for Analytics

- Primary coverage
- Each member has a record in the Member Month table for each month of coverage
- Link back to the original eligibility record
- Ease in identifying continuous enrollment

Member Month – Pivot

Eligibility periods are pivoted to create one record for every month of eligibility from the final de-duplicated record

Submitter Code	Product Code	ZIP Code	Medical Cov.	Pharmacy Cov.	Dental Cov.	Eligibility Effective	Eligibility End	Last Name	First Name
DCC012	PR	01453	Y	N	Y	20160807	20161231	LANE	LOIS
DCC012	HM	01453	Y	N	N	20160112	20180531	LANE	LOIS

Internal Member ID	Eligibility Effective Date	Eligibility End Date	ZIP Code	Product Code
111	20180101	20180131	01453	HM
111	20180201	20180228	01453	HM
111	20180301	20180331	01453	HM
111	20180401	20180430	01453	HM
111	20180501	20180531	01453	HM

Member Month – Define Primary

But we can see that some time periods have two records – which one is primary?

Eligibility Effective Period	Submitter Type	Last Name	First Name	Product Code
20160101 - 20160131	Major Medical	LANE	LOIS	HM
20160101 - 20160131	TPA	LANE	LOIS	HM

First tie-breaker looks within the same plan type (i.e., commercial, Medicaid, Medicare):

Plan Type	Payer 1	Payer 2	Deemed Primary
Commercial	Major Medical	TPA	Major Medical
Medicaid	Medicaid Managed Care	Medicaid FFS	Medicaid Managed Care
Medicare	Medicare Advantage	Medicare FFS	Medicare Advantage

Member Month

Clark Kent has separate eligibility records with Kryptonite Insurance, Medicaid, and CMS Medicare for January 2018. Which one is assigned as primary for that month?

Submitter Code	Product Code	ZIP Code	Medical Cov.	Pharmacy Cov.	Dental Cov.	Eligibility Effective Date	Eligibility End Date	Last Name	First Name
DCC012	PR	01453	Y	N	Y	20180101	20180131	KENT	CLARK
DCG002	MB	01453	Y	N	N	20180101	20180131	KENT	CLARK
DCG001	MC	01453	Y	N	N	20180101	20180131	KENT	CLARK

Second tie-breaker looks across plan types:

Plan Type	Plan Type Tie-Breaker Order
Commercial	1
Medicare	2
Medicaid	3

Member Month

When we have the following records for Lois Lane and Clark Kent in our eligibility files...

Submitter Code	Product Code	ZIP Code	Medical Cov.	Pharmacy Cov.	Dental Cov.	Eligibility Effective Date	Eligibility End Date	Last Name	First Name	Internal Member ID
DCG001	MC	01453	Y	N	N	20180112	20180331	LANE	LOIS	111
DCG001	MC	01453	Y	N	Y	20180101	20180331	KENT	CLARK	222
DCC012	PR	01453	Y	N	N	20180112	20180331	KENT	CLARK	222
DCG002	AB	01453	Y	N	N	20180112	20180331	KENT	CLARK	222

Member Month

Records Included in Member Month Table

Month of coverage

Internal Member ID	Extract ID	Year & Month	Medical Product Code ID	Medical Product Code	Medical Submitter ID	Medical Eligibility ID	Medical Commercial Eligibility ID	Medical Medicare Eligibility ID	Medical Medicaid Eligibility ID
111	73	201801	14	MC	13171	6109258			6109258
111	73	201802	14	MC	13171	6110555			6110555
111	73	201803	14	MC	13171	6102487			6102487
222	73	201801	47	PR	13154	5978301	5978301	6652915	6228768
222	73	201802	47	PR	13154	6187824	6187824	6386148	5919105
222	73	201803	47	PR	13154	6183884	6183884	6386148	5910960

Member Month

Records Included in Member Month Table

“Winning” product code for primary coverage for the month

Internal Member ID	Extract ID	Year & Month	Medical Product Code ID	Medical Product Code	Medical Submitter ID	Medical Eligibility ID	Medical Commercial Eligibility ID	Medical Medicare Eligibility ID	Medical Medicaid Eligibility ID
111	73	201801	14	MC	13171	6109258			6109258
111	73	201802	14	MC	13171	6110555			6110555
111	73	201803	14	MC	13171	6102487			6102487
222	73	201801	47	PR	13154	5978301	5978301	6652915	6228768
222	73	201802	47	PR	13154	6187824	6187824	6386148	5919105
222	73	201803	47	PR	13154	6183884	6183884	6386148	5910960

Member Month

Records Included in Member Month Table

Submitter that provided the record identified as primary coverage for the month

Internal Member ID	Extract ID	Year & Month	Medical Product Code ID	Medical Product Code	Medical Submitter ID	Medical Eligibility ID	Medical Commercial Eligibility ID	Medical Medicare Eligibility ID	Medical Medicaid Eligibility ID
111	73	201801	14	MC	13171	6109258			6109258
111	73	201802	14	MC	13171	6110555			6110555
111	73	201803	14	MC	13171	6102487			6102487
222	73	201801	47	PR	13154	5978301	5978301	6652915	6228768
222	73	201802	47	PR	13154	6187824	6187824	6386148	5919105
222	73	201803	47	PR	13154	6183884	6183884	6386148	5910960

Member Month

Records Included in Member Month Table

Eligibility ID that links to the original record identified as primary coverage for the month

Internal Member ID	Extract ID	Year & Month	Medical Product Code ID	Medical Product Code	Medical Submitter ID	Medical Eligibility ID	Medical Commercial Eligibility ID	Medical Medicare Eligibility ID	Medical Medicaid Eligibility ID
111	73	201801	14	MC	13171	6109258			6109258
111	73	201802	14	MC	13171	6110555			6110555
111	73	201803	14	MC	13171	6102487			6102487
222	73	201801	47	PR	13154	5978301	5978301	6652915	6228768
222	73	201802	47	PR	13154	6187824	6187824	6386148	5919105
222	73	201803	47	PR	13154	6183884	6183884	6386148	5910960

Member Month

Records Included in Member Month Table

Eligibility ID that links to the commercial coverage for member
– may be the same as primary

Internal Member ID	Extract ID	Year & Month	Medical Product Code ID	Medical Product Code	Medical Submitter ID	Medical Eligibility ID	Medical Commercial Eligibility ID	Medical Medicare Eligibility ID	Medical Medicaid Eligibility ID
111	73	201801	14	MC	13171	6109258			6109258
111	73	201802	14	MC	13171	6110555			6110555
111	73	201803	14	MC	13171	6102487			6102487
222	73	201801	47	PR	13154	5978301	5978301	6652915	6228768
222	73	201802	47	PR	13154	6187824	6187824	6386148	5919105
222	73	201803	47	PR	13154	6183884	6183884	6386148	5910960

Member Month

Records Included in Member Month Table

Eligibility ID that links to the Medicare coverage for member (if any)
– may be the same as primary

Internal Member ID	Extract ID	Year & Month	Medical Product Code ID	Medical Product Code	Medical Submitter ID	Medical Eligibility ID	Medical Commercial Eligibility ID	Medical Medicare Eligibility ID	Medical Medicaid Eligibility ID
111	73	201801	14	MC	13171	6109258			6109258
111	73	201802	14	MC	13171	6110555			6110555
111	73	201803	14	MC	13171	6102487			6102487
222	73	201801	47	PR	13154	5978301	5978301	6652915	6228768
222	73	201802	47	PR	13154	6187824	6187824	6386148	5919105
222	73	201803	47	PR	13154	6183884	6183884	6386148	5910960

Member Month

Records Included in Member Month Table

Eligibility ID that links to the Medicaid coverage for member (if any)
– may be the same as primary

Internal Member ID	Extract ID	Year & Month	Medical Product Code ID	Medical Product Code	Medical Submitter ID	Medical Eligibility ID	Medical Commercial Eligibility ID	Medical Medicare Eligibility ID	Medical Medicaid Eligibility ID
111	73	201801	14	MC	13171	6109258			6109258
111	73	201802	14	MC	13171	6110555			6110555
111	73	201803	14	MC	13171	6102487			6102487
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222	73	201803	47	PR	13154	6183884	6183884	6386148	5910960

Use Case #1

Total Membership

How many member months are attributed to each submitter for 2018?

```
select  count(*),  
        mm.medical_submitter_id,  
        s.submitter_code,  
        s.submitter_name  
FROM member_month_detail mm  
JOIN  submitter s ON s.submitter_id=mm.medical_submitter_id  
WHERE mm.year_month  
       BETWEEN '201801' AND '201812'  
GROUP BY mm.medical_submitter_id, s.submitter_code, s.submitter_name
```


Use Case #2

Membership by Product Type

How many member months are attributed to each product type for 2018?

```
select  count(*),  
        pc.product_type  
FROM member_month_detail mm  
JOIN   product_code pc  
      ON pc.product_code_id=mm.medical_product_code_id  
WHERE mm.year_month  
      BETWEEN '201801' AND '201812'  
GROUP BY pc.product_type
```

PRODUCT_TYPE	COUNT(*)
MEDICARE	10,505,356
MEDICAID	11,403,463
COMMERCIAL	15,605,628

Use Case #3

Coverage Types & Counts

How many members have both Medicare and Medicaid coverage at the same time, and how many member months does that represent?

```
select count(*),  
        COUNT(DISTINCT(mm.internal_member_id)) as "MEMBERS"  
FROM member_month_detail mm  
WHERE mm.year_month  
        BETWEEN '201801' AND '201812'  
AND mm.med_medicare_eligibility_id IS NOT NULL  
AND mm.med_medicaid_eligibility_id IS NOT NULL
```

MEMBER_MONTHS	MEMBERS
862,094	85,544



Questions & Answers



Reliable data. Informed decisions. Strategic advantage.

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