OHDSI Japan

Tatsuo Hiramatsu
Mui Van Zandt
Introduction

• Tatsou Hiramatsu, MD, PhD
  – Professor at Innovation & Research Support Center, International University of Health and Welfare
  – Experience working with the OMOP CDM for 3 year at the University of Tokyo
  – Host and lead of OHDSI Japan initial meeting
OHDSI Japan Initial Meeting

- Thursday, June 20th at the International University of Health and Welfare
- Attendees:
  - International University of Health and Welfare
  - Kyushu University Hospital
  - Jichi Medical University
  - Okayama University
  - National Cancer Center Hospital East
  - University of Tsukuba
OHDSI Japan Initial Meeting (cont)

- Attendees (cont.)
  - Janssen
  - Lilly
  - Astellas Amgen
  - Celgene
  - IQVIA
  - Fujitsu
  - MDV
  - JMDC
Agenda Discussed

• OHDSI/OMOP introduction
• Self-introduction
• OHDSI activities around the world
• Secondary clinical data usage in Japan
  – 4 university hospitals have conducted OMOP conversions with 3 more in preparation
• OMOP vocabulary mapping strategy
• OHDSI Japan chapter discussions
• OMOP CDM mini tutorial
Types of clinical databases in Japan

- **Hospitals**
  - Semi Real-time
  - Detailed record incl. lab data

- **Registries**
  - Register (by hand or automatic)

- **Claims (Monthly)**

- **DPC data (Quarterly, Anonymized)**

- **Clinics**

- **Pharmacies**

- **Insurers**
  - Anonymized Claims Data

- **MHLW**
  - National DB

- **EHR**
  - Claims-DB
  - All data by patient (Cross hospital)

- **Claims-DB**
  - All patients data
# Major Japanese Databases

**Hospital-based**

<table>
<thead>
<tr>
<th>DB name</th>
<th>admin</th>
<th># uniq ID</th>
<th>Data Source</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>MID-NET</td>
<td>PMDA</td>
<td>&gt;4M</td>
<td>SS-MIX2, DPC, Claims</td>
<td>High Quality</td>
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<td>EBM Provider</td>
<td>MDV Co.,Ltd.</td>
<td>25M</td>
<td>DPC, Claims, Lab, others</td>
<td>Major in HB</td>
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<td>RWD-DB</td>
<td>RWD Co.,Ltd.</td>
<td>20M</td>
<td>DPC, Claims, EMR, Lab</td>
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<tr>
<td>MIA</td>
<td>NHO</td>
<td>20M</td>
<td>DPC, Claims</td>
<td>1 stop service</td>
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<tr>
<td>JMDC C. DB</td>
<td>JMDC</td>
<td>5.4M</td>
<td>DPC, Claims</td>
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<tr>
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<td>CCT K.K.</td>
<td>3.6M</td>
<td>DPC, Claims, EMR, Lab</td>
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<td>NHO</td>
<td>1.6M</td>
<td>SS-MIX2, Lab, etc.</td>
<td>1 stop service</td>
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**Reference:**
## Major Japanese Databases

### Insurance-based

<table>
<thead>
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<td>MHLW</td>
<td>All Patients</td>
<td>Claims</td>
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<td>JMDC C. DB</td>
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<td>5.6M</td>
<td>Claims</td>
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<td>5.5M</td>
<td>Claims, others</td>
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<td>JammNet</td>
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<td>2.8M</td>
<td>Claims</td>
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</table>

Reference:
# Major Japanese Databases

## Pharmacy-based

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<tr>
<td>IQVIA NPA</td>
<td>IQVIA Sol. JP</td>
<td>30M</td>
<td>Pha. Claims</td>
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<td>Pha. Claims</td>
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<td>PFR</td>
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<td>1.6M</td>
<td>Others</td>
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Reference:
Pharmacoepidemiology & Database Taskforce, Japanese Society for Pharmacoepidemiology.
Survey of Japanese databases in Japan available for clinical/pharmacoepidemiology.
Next Steps

• Discussion of a second meeting in Japan to continue discussion of OHDSI Chapter
  – Working towards the end of August for second meeting
• OHDSI Tutorial
• OHDSI Japan kick-off
• OMOP vocabulary phased approach
  – Map to Japan National Standard (first priority)
  – Map to OMOP Standard (second priority)