Cross-Ministry EDI Table

Data in Action at the Ministry of Health:

Opportunity to Use Data Linkage to Inform Policy Development on Early Childhood Wellbeing

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Outline

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1. **The Fellowship Adventure**: Discovering Data Linkage
2. **Navigating the Data Landscape**: From Proposal to Access
3. **Assembling the Toolkit**: Selecting the Right Analytical Tools
4. **Unraveling the Data**: The Power of Collaboration and Interdisciplinary Insights
5. **From Numbers to Narratives**: Communicating Findings to Influence Policy
6. **Overcoming Obstacles**: Building Resilience Through Challenges
7. **Lessons Learned**: The Road Ahead for Data Linkage in ECD Policy

1. The Fellowship Adventure: Discovering Data Linkage

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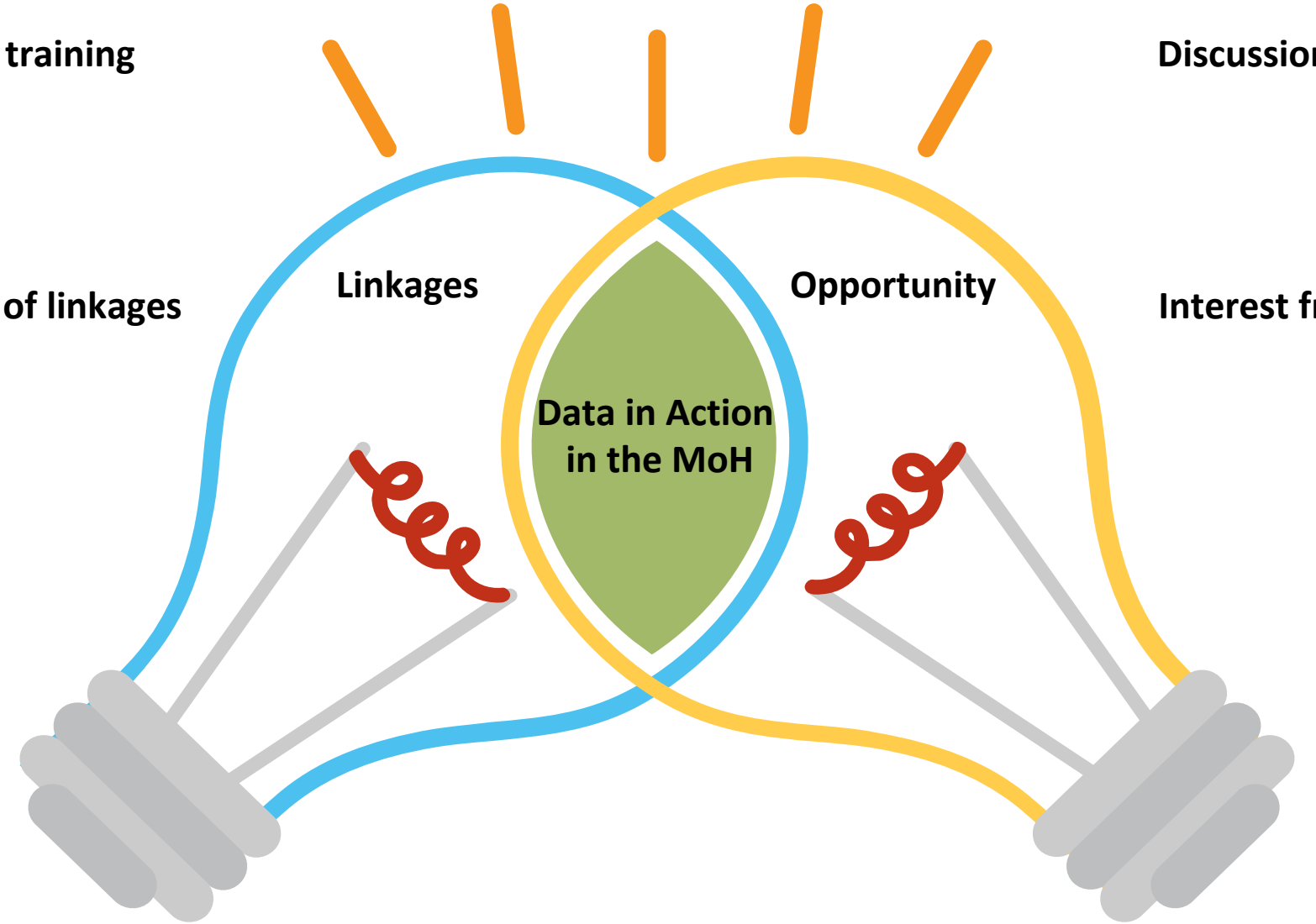
- Microsoft Access training
- Library: example of linkages
- Discussion with Supervisor
- Interest from the Ministry



2. Navigating the Data Landscape: From Proposal to Access

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Challenges

- **Scope and Goals:** clear, relevant, feasible proposal to submit
- **New People & Teams**: CHBC, WMCH, HSIAR, HSIF, PHSA, …

- **System**: Devices: Computers, Online Platforms
- **Process**: Policies, Security protocols
- **Resources**: Data, ISA, Other ECD policies

Understanding

- **Clear communication of research goals and objectives**
- Responsiveness and flexibility

- Responsible data usage and management: Training, Security
- **Awareness of priorities**

Data Access

- **Level-2** : Anonymized Unique ID
- **Limited in time**: Until to August 2023

- **90% available:** Agreements: specific about scope and time

3. Assembling the Toolkit: Selecting the Right Analytical Tools

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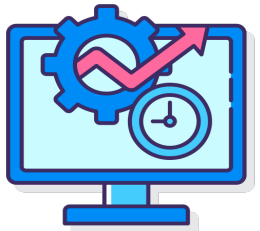
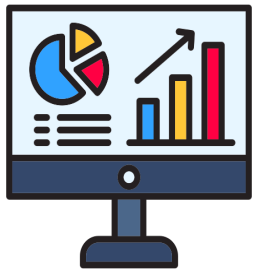
Data Wrangling	❖ **Goal**: Data management, cleaning, transformation, & standardization tasks	❖ **Tools:** Microsoft Excel, R, SQL, Oracle
 Data Analysis	❖ **Goal**: Find right answers to questions	❖ **Tools:** R, Python
 Data visualization	❖ **Goal**: Effective communication	❖ **Tools:** R, Tableau

4. Unraveling the Data: The Power of Collaboration and Interdisciplinary Insights

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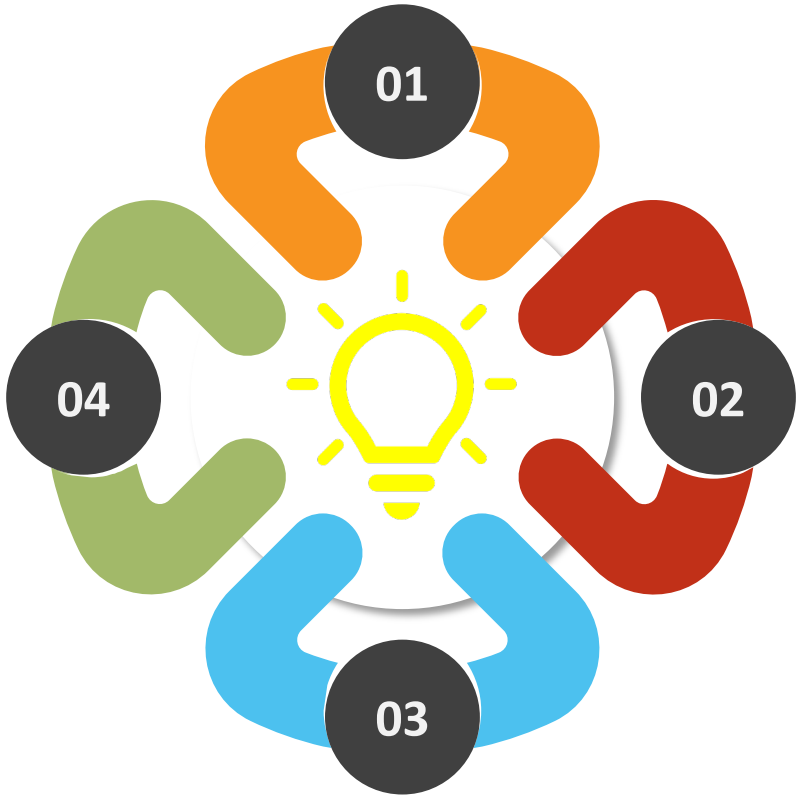
Innovative and creative problem-solving

Impactful and actionable findings



Decoding the complex datasets: Administrative & Secondary data

Identification of new connections, patterns, and relationships

5. From Numbers to Narratives: Communicating Findings to Influence Policy

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01 Storytelling with the data

Storytelling with the data

Translate the complex statistical results into compelling accessible and engaging narratives

Clear & concise language

Facilitate better communication between researchers, policymakers, and stakeholders

Choosing a clear and concise language 02

03 Utilizing visual aids to convey complex information

Visual aids

Convey complex information & key trends in a digestible format (graphs, charts, and infographics)

6. Overcoming Obstacles: Building Resilience Through Challenges

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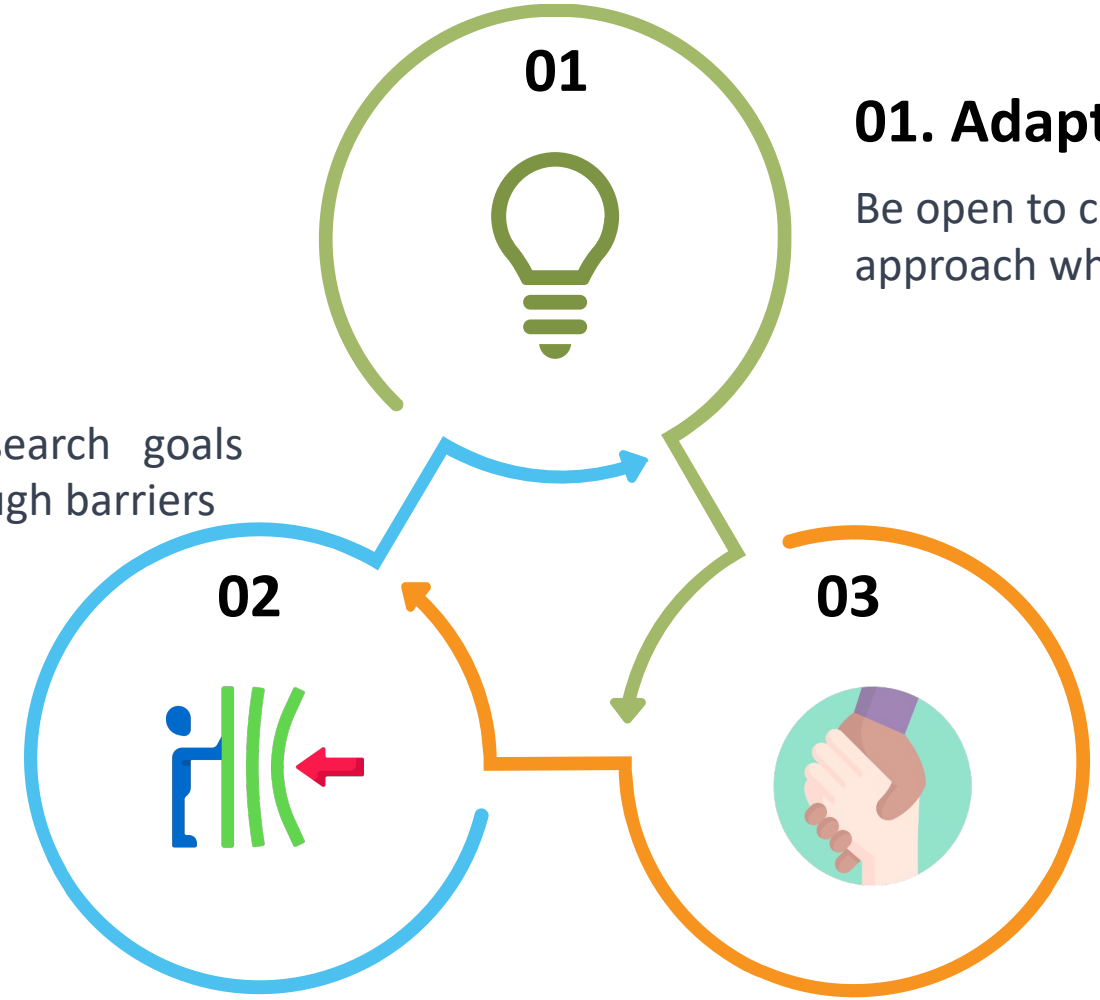
02. Perseverance

Remain committed to research goals and continued to push through barriers



01. Adaptability and flexibility

Be open to change and willing to adjust approach when faced with obstacles

03. Support and guidance

Leverage the expertise others to gain insights and develop strategies

7. Lessons Learned: The Road Ahead for Data Linkage in ECD Policy

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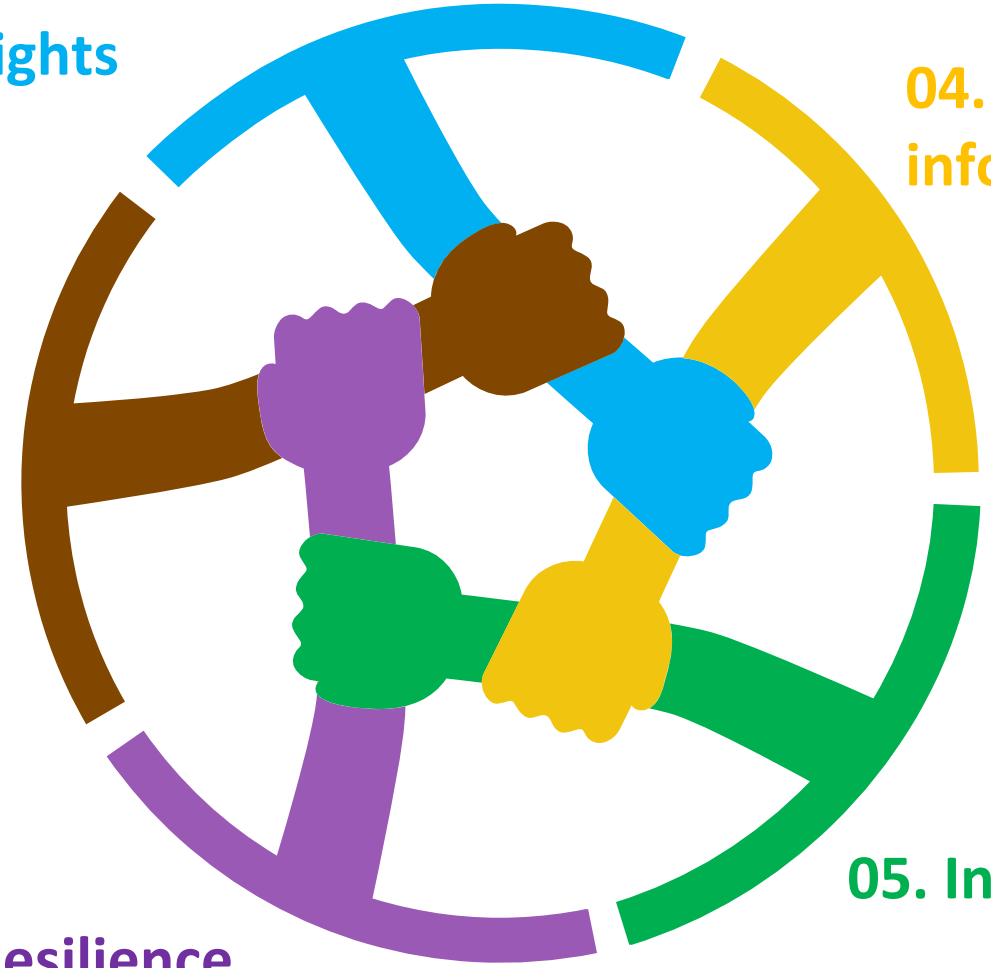
01. Importance of collaboration and interdisciplinary insights



04. Data linkage potential to inform policy

02. Effective Communication

05. Innovation

03. Adaptability and Resilience

Conclusion

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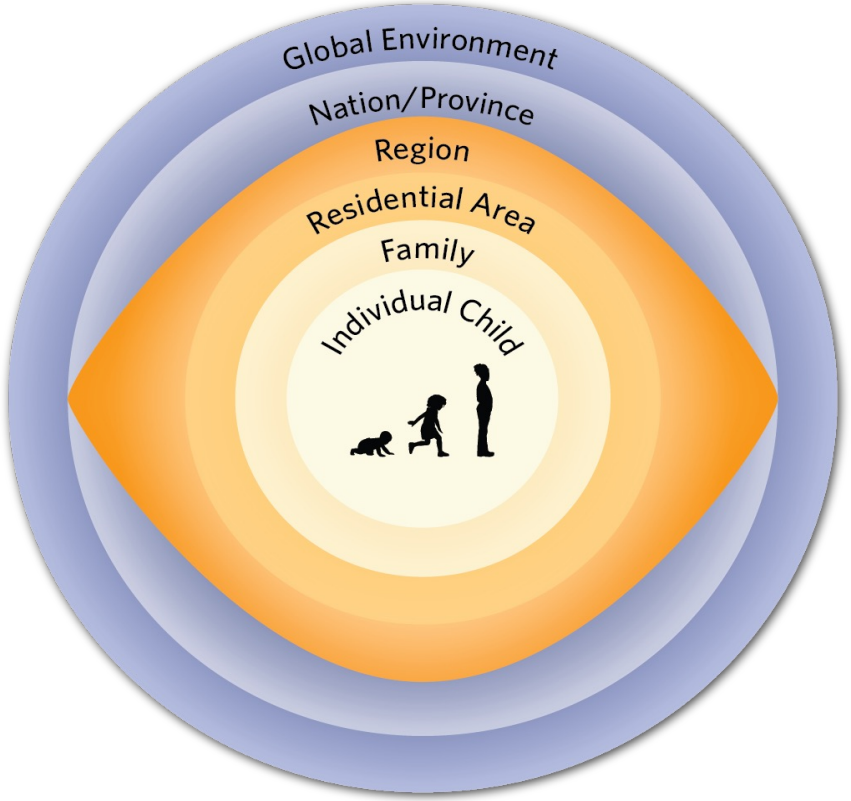

Contexts Influence Human Development (HELP-UBC)

No linked data, few holistic insights…

Few holistic insights, fewer holistically informed and evidence-based policies

Merci!

Credit: Maddison Spenrath

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