

INTRODUCTION TO HEALTH RESEARCH

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RESEARCH

- IT IS THE SYSTEMATIC INQUIRY THAT UNDERPINS COLLECTION, ANALYSIS & INTERPRETATION OF DATA TO GAIN INSIGHT OR TO GENERATE NEW KNOWLEDGE OR TO ANSWER A CERTAIN QUESTION OR SOLVE A PROBLEM.
- SYSTEMATIC REFERS TO-
 1. WELL-DEFINED METHOD
 2. REPRODUCIBLE.

SYNTHESIS OF NEW KNOWLEDGE.

NEW KNOWLEDGE SYNTHESIS

ANALYSIS IS KEY.

ANALYSIS MEANS BREAKING SOMETHING DOWN SO THAT IT CAN BE MORE EASILY UNDERSTOOD.

STRUCTURED THINKING IS NECESSARY.

STRUCTURED THINKING ENCOMPASSES -

- 1.RECOGNISING THE CURRENT PROBLEM**
- 2.ORGANIZING AVAILABLE INFORMATIONS**
- 3.REVEALING GAPS & OPPORTUNITIES**
- 4.IDENTIFYING THE OPTIONS.**

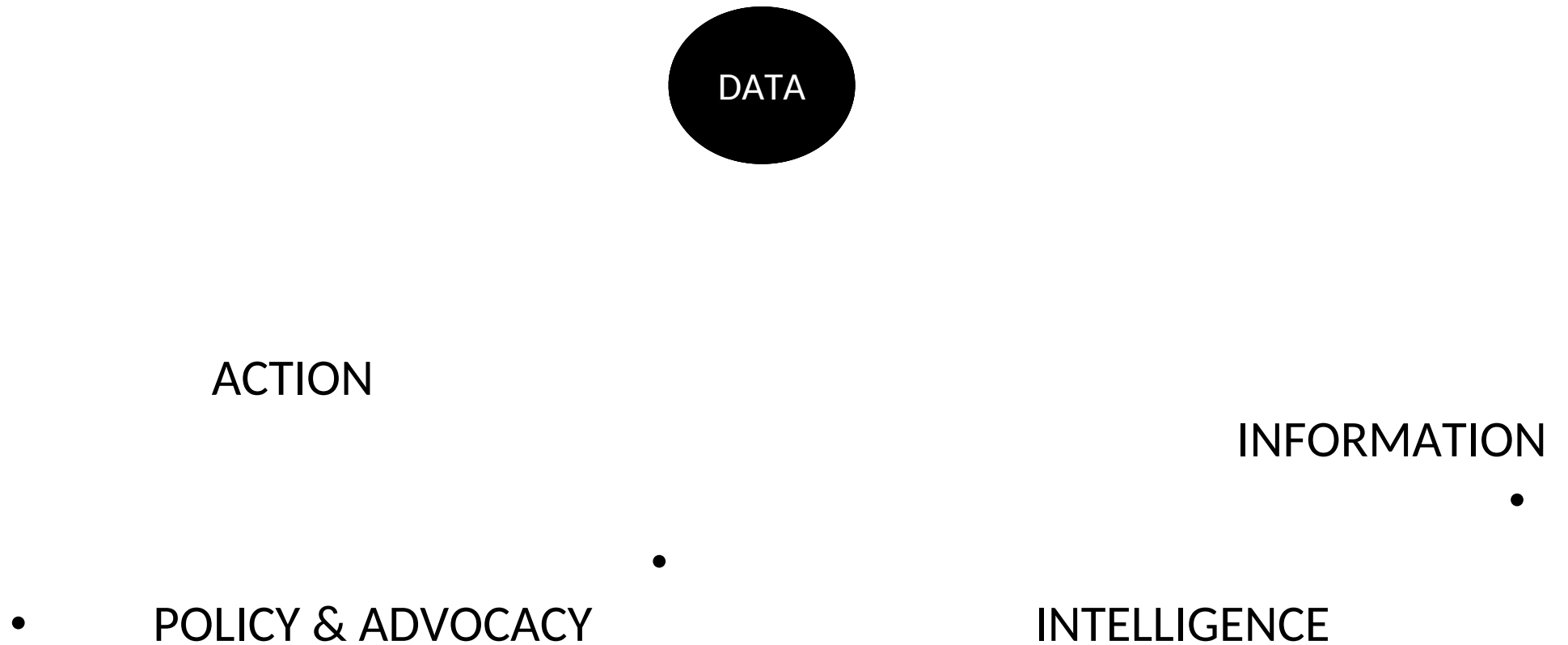
THE VALUE OF PUBLIC HEALTH IS NOT JUST ANSWERING QUESTIONS, ITS ALSO IN KNOWING WHAT TO ASK.

- HEALTH INTELLIGENCE

THE DOMAIN OF PRACTICE THAT DEALS WITH THE MANAGEMENT, ANALYSIS & INTERPRETATION OF DATA TO SUPPORT IMPROVEMENTS IN POPULATION HEALTH & INFORM ACTION.

IN SHORT- GENERATING ACTIONABLE INFORMATION.

HEALTH INTELLIGENCE CYCLE

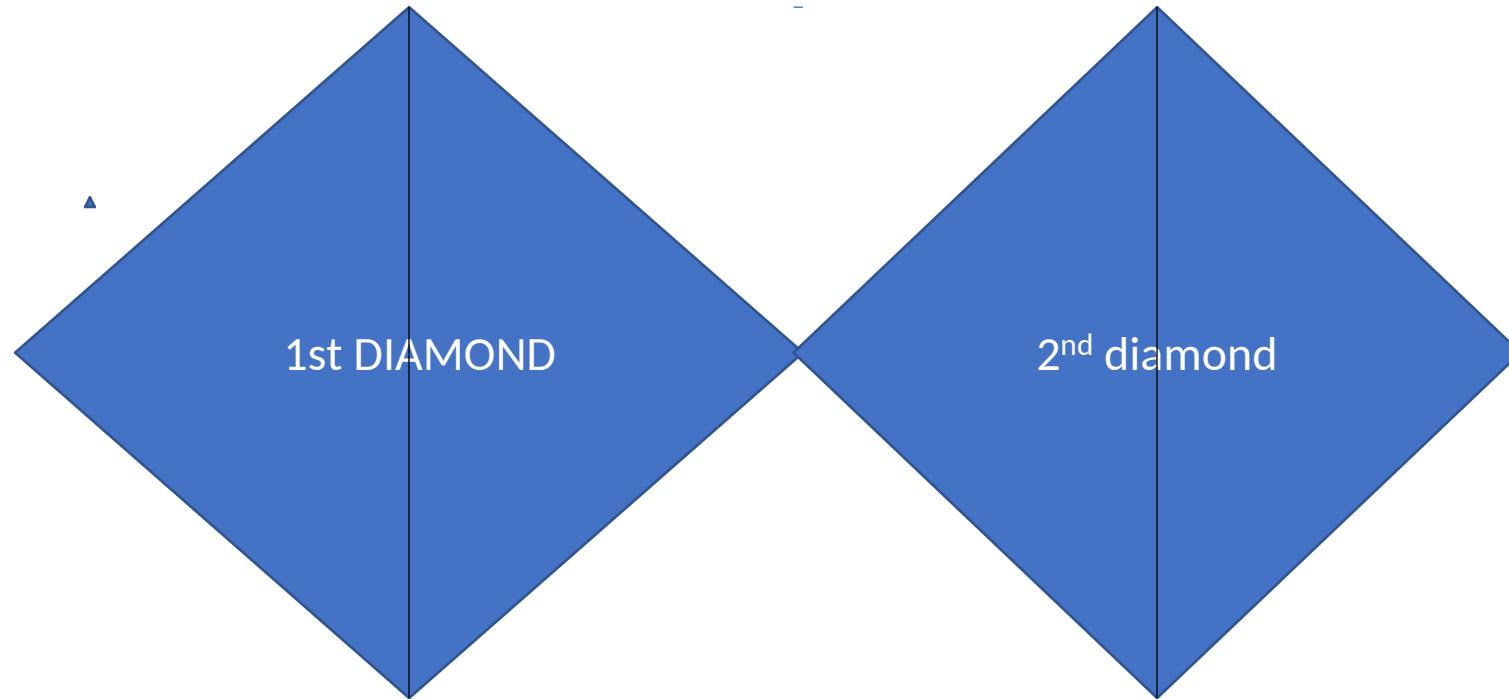


- **DATA AS THEMSELVES HAS LITTLE INHERENT VALUE.**
- **PBH SPECIALISTS ADD VALUE TO DATA BY INTERPRETATION.**
- **BY UNDERSTANDING THE VARIABLES & ASKING EFFECTIVE QUESTIONS, WE CAN CREATE INFORMATION.**
- **UNDERSTANDING CONTEXT IS WHAT CREATES INTELLIGENCE.**

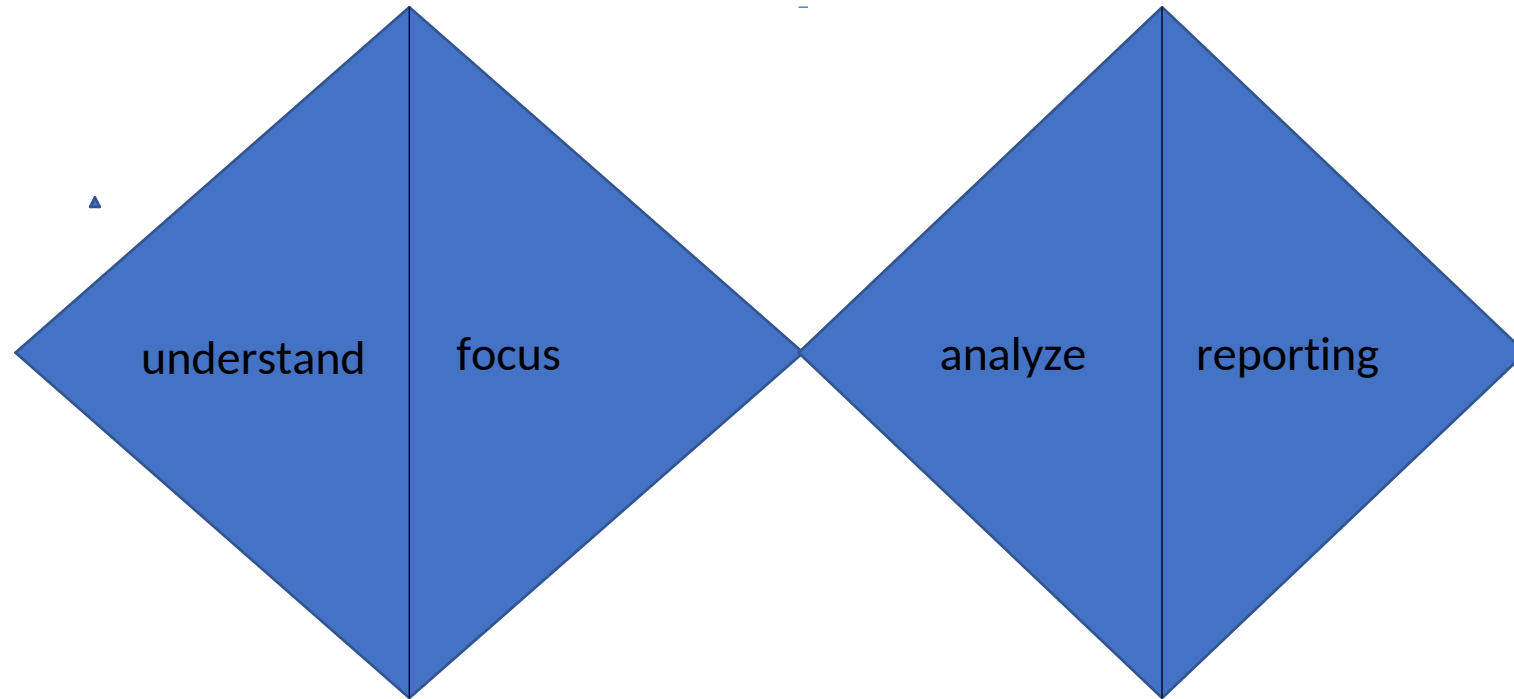
• **SO WHAT?**

- **WE CAN RECOMMEND CHANGES THROUGH POLICY & ADVOCACY & BRING ABOUT DESIRED CHANGES IN POPULATION THROUGH ACTION.**

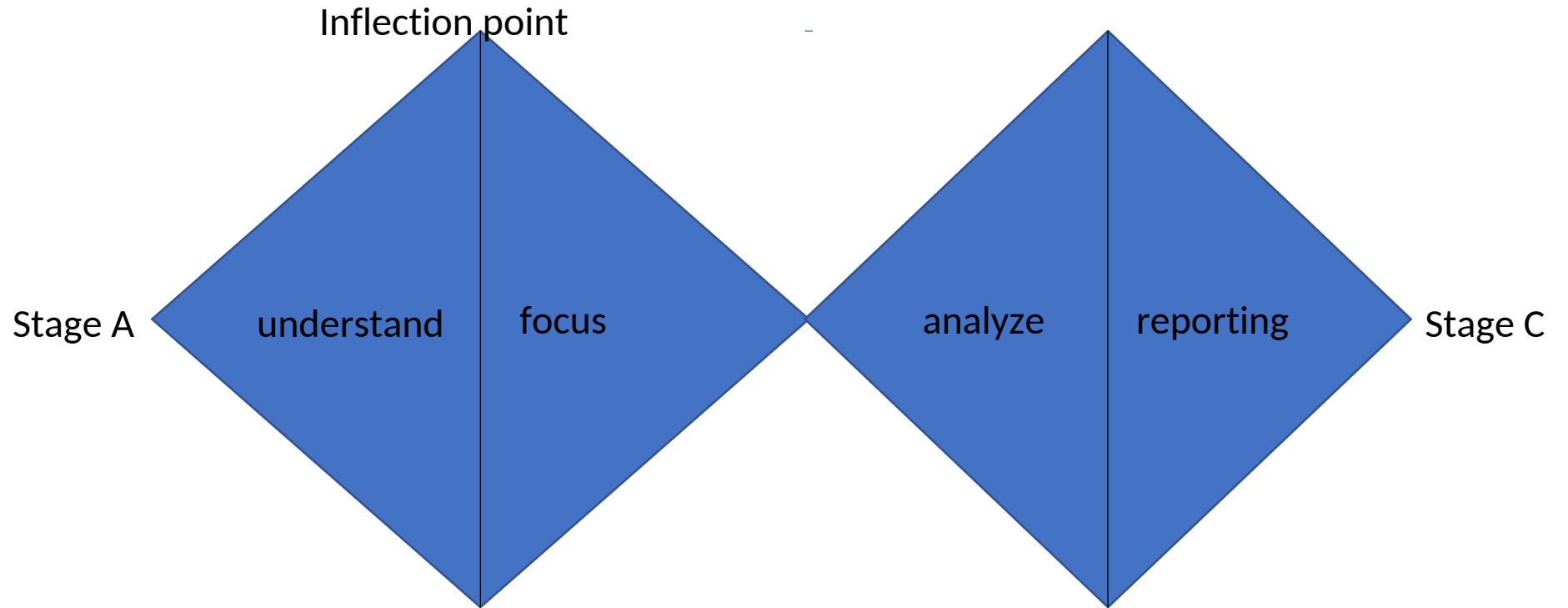
THE DOUBLE DIAMOND MODEL OF ANALYSIS



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Steps of double diamond model

Step 01 : expand thinking

Step 02 : understand context

Step 03 : stop at inflection point – set a time limit.

Step 04 : narrow down on questions - develop hypotheses that you can test or lines of inquiry to explore.

Step 05 : end of 1st diamond (having answerable questions)

Step 06 : start 2nd diamond analysis (how to answer questions or test hypotheses)

Step 07: go wide (develop methodology & analyze data)

step 08 : inflection point of 2nd diamond (stop analysis & reflect on your findings)

Step 09 : reporting (narrow down findings & report key findings that may result into change)

