## Analysis

Assessment and analysis of learning needs and job tasks for maternal nursing competency

- Cross-sectional quantitative survey
- Focus group interviews

## Design

The maternal nursing competency reinforcement program design

- Performance goal setting
- Teaching strategies and materials

## Development

The maternal nursing competency reinforcement program development

- Video learning, simulation learning & workbook

## Implement & Evaluation

- Identification of needs for program operation
- Evaluation instruments

Supplementary Fig. 1. Research procedures.