The presentation of Training for the 5th Nationwide Tuberculosis Epidemiological Sampling Survey in China

National Center for TB Control and Prevention, China CDC

Dr. Jiang Shiwen
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The importance of training

- Uniform standards
- Uniform methods
- Uniform operation
- Standard process

Quality assurance of TB survey
Purpose

- **Uniform standards**
  - Clinic diagnostic standard
  - X ray diagnostic standard

- **Uniform methods**
  - Questionnaire,
  - Knowledge,
  - symptom investigation

- **Uniform operation**
  - Lab. operation
  - Software operation

- **Standard process**
  - General examination flow
  - Lab. flow
  - X ray flow
Principle of training

- **Training step by step**
  - National office experts trained provincial teachers
  - Provincial teachers trained members of TB survey team on-site
  - Members of TB survey team trained basic unit members who will organize the subjects examined in the field

- **Preparation for training**
  - Trainers prepared training materials
  - Standard training PPT will be prepared in advance

- **Combination theory with practice**
  - Lectures by teachers
  - Discussion and explanation
  - Practice for some skills
National training

National office launched training course for provincial office teachers. Leaders and experts from MOH and China CDC introduced the plan and arranged the next step work of TB survey in detail.

The experts introduced *The detailed Rules for Implementation of the 5th National Tuberculosis Epidemiological Sampling Survey* and launched a systematic training for all participants.
National training

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Purpose

To assure the TB survey can be implemented smoothly and the survey data can be true and reliable, national technical advisory group and national TB survey office held on the training for provincial teachers.

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Subjects

The leaders and technical staff representatives from 31 provinces, including: leaders of Health Bureau and CDC, TB Institute and clinicians, radiologists, laboratory technicians and statistics staff. Totally about 280 staff have been trained.
National training—Contents

- The detailed Rules for Implementation of the 5th National Tuberculosis Epidemiological Sampling Survey
- Relevant requirements of chest X-ray examination
- Work experiences from the pilot of TB survey
- Clinicians operation process
  - Symptom survey
  - Knowledge survey
  - Writing medical records, diagnosis standard
- Bacteriological examination
- Contents and request of Socio-economic status survey for pulmonary TB patients
- Function and introduction of TB survey software
National training—Methods

- Training for all participants
  - *The detailed Rules for Implementation of the 5th National Tuberculosis Epidemiological Sampling Survey*
  - chest X-ray examination
  - work experiences from the pilot of TB survey
  - Socio-economic status survey

- Focal point training by group
  - Diagnosis group
  - Lab group
  - Questionnaire group
  - Statistic group
National training—Training for all participants

- Experts of national technical advisory group interpreted protocol and rules of TB survey framework
- Radiologists introduced operation requirements of chest X-ray examination
- He Nan province addressed work experiences from the pilot of TB survey
- National office experts introduced the methods and requirements of Socio-economic status survey for pulmonary TB patients
National training—Diagnosis group

- The training methods included interpretation and group discussions. At the same time, national office experts answered some questions of participants.

- Training Highlights
  - Examination procedures for survey subjects
  - Requirement of enquiry and diagnosis
  - Writing medical records of TB suspect patients
  - Writing case cards of TB patients
National training—Lab group

- The training methods included interpretation and group discussions. At the same time, national office experts answered some questions of participants.
- Training Highlights
  - Subjects
  - Collection and storage of sputum specimens
  - Operation guideline for lab examination including smear and culture
  - Storage and transportation of isolates samples
National training—Questionnaire group

- The training methods included interpretation and group discussions. At the same time, national office experts answered some questions of participants.

- Training Highlights
  - Methods and requirements of symptom survey
  - Methods and requirements of Knowledge survey
  - Methods of collection and storage for questionnaires
National training—Statistic group

- The training methods included interpretation and group discussions. At the same time, national office experts answered some questions of participants.

- Training Highlights
  - Systematic interpretation of the function of TB survey software
  - Procedures and ways of software implementing
  - Doing exercise for TB survey software
Provincial training

All the provincial offices held on training for the members of TB survey teams. Leaders from provincial health bureau, CDC elaborated TB survey arrangements. Those who accepted national training were responsible to introduce *The detailed Rules for Implementation of the 5th National Tuberculosis Epidemiological Sampling Survey*. 

Training in Shandong Province  
Training in Zhejiang Province
Training in Beijing

Training in Hubei Province
Provincial training

- **Purpose**
  - To unify TB survey operation and assure the survey data true and reliable, all the provincial offices held on the training for members of TB survey team

- **Subjects**
  - Related leaders and technicians of 160 TB survey teams, including: leaders of Health Bureau, CDC, TB Institute and clinicians, radiologists, laboratory technicians and statistics staff. Total 2431 staff have been trained.
Provincial training—Contents

- Contents and methods of Knowledge survey
- Methods and request of chest X-ray examination and diagnosis
- Methods and request of lab examination
Provincial training—Contents

- Ways and requirements for data collection and collation
- TB survey software function and introduction
- Contents and methods of Socio-economic status survey for pulmonary TB patients
Provincial training—Methods

🔹 Training for all participants

🔹 Provincial technical advisory group and provincial office emphasized the object, meaning and process of TB survey and clarified the responsibilities of multi-sectors, arranged the next step work and gave details of *The detailed Rules for Implementation of the 5th National Tuberculosis Epidemiological Sampling Survey*
Provincial training—Methods

- Focal point training by group
- Focal point training by diagnosis group, lab group, material group. The training was developed by group discussion and also organized members to practice the TB survey software
Provincial training—Methods

- Answered the questions
- All of the group gave detail answers for each question
Training for basic unit members

TB survey team members launched training for township/street, village/community cadres and the community/village doctors who will take part in the TB survey organization.
Training for basic unit members

- **Purpose**
  - To ensure the nationwide survey in field can be organized and coordinated smoothly, and reach the goal of the survey rate

- **Subjects**
  - township/street, village/community cadres and the community/village doctors
Training for basic unit members

Contents

- Harm of TB
- Objective and signification of TB survey
- Publicizing and mobilization before survey by household
- Methods and skills of population verification
- Procedure and organization of filed survey
Training for basic unit members — Methods

- The training methods included interpretation and group discussions. TB survey team members gave details about purpose, meaning and process of field survey.

- All the participants studied and analyzed the character of TB survey sites, to discuss the proper manner of publicizing, mobilization and population verification.
Summary

- Develop the teaching outline
- Prepare the teaching materials, including PPT, teaching aid and so on
- Analog lecture
- Combination the theory with practice
- Discussion
THANK YOU FOR YOUR ATTENTION