

QUALITATIVE STUDY OF OPISTHORCHIASIS IN A RURAL COMMUNITY, CENTRAL THAILAND

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Introduction



Opisthorchis viverrini

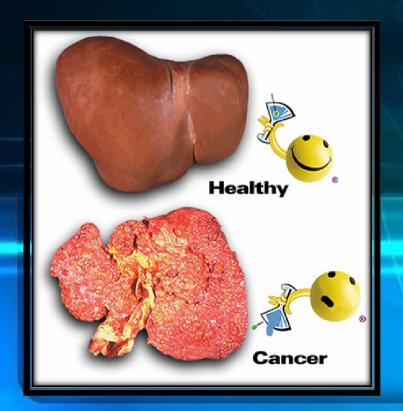
Thailand is an endemic area for opisthorchiasis, with estimated six million infected people.

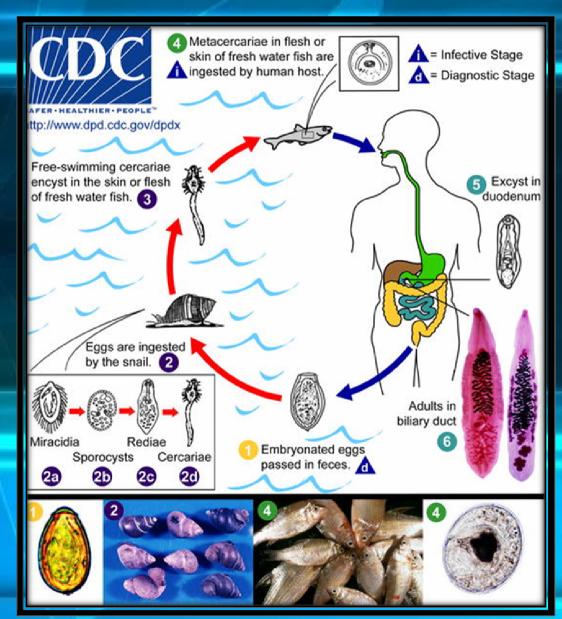
> Prevalence 9.6%(in 2002)

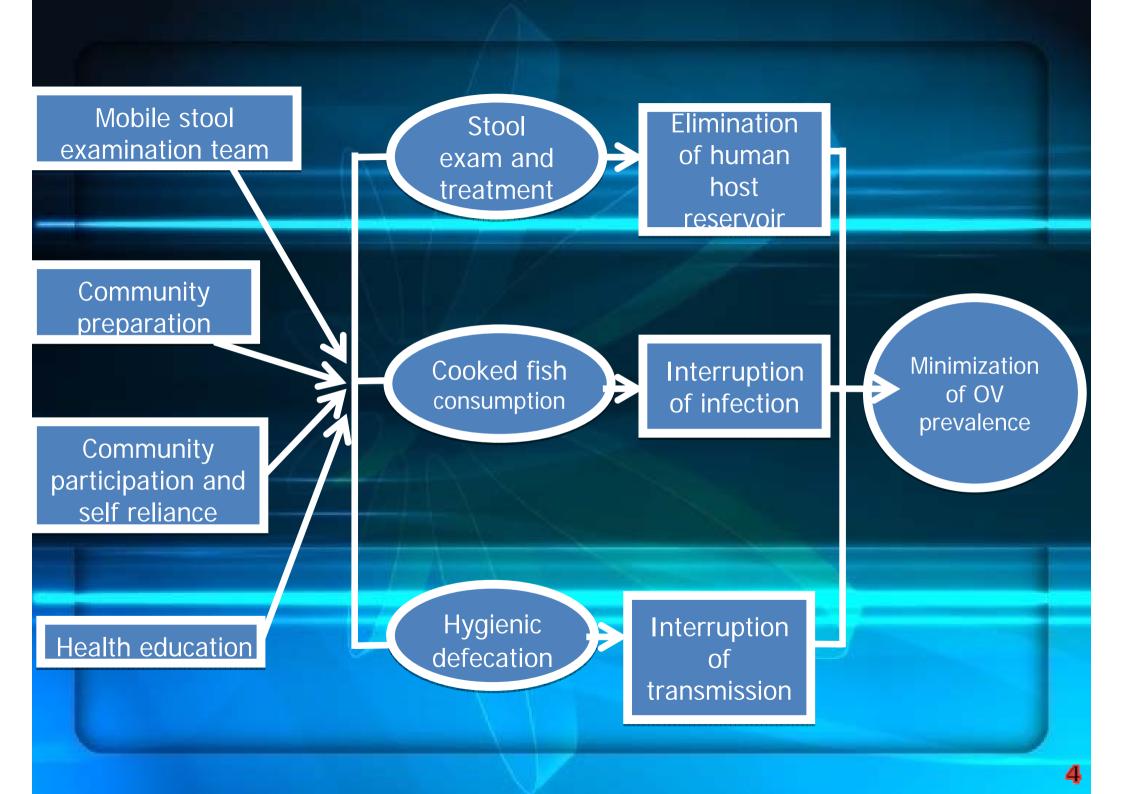


Opisthorchiasis



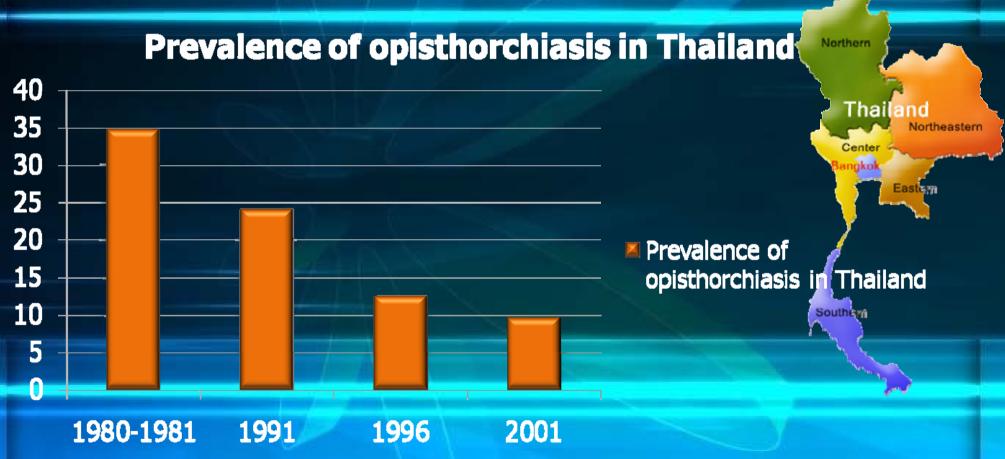


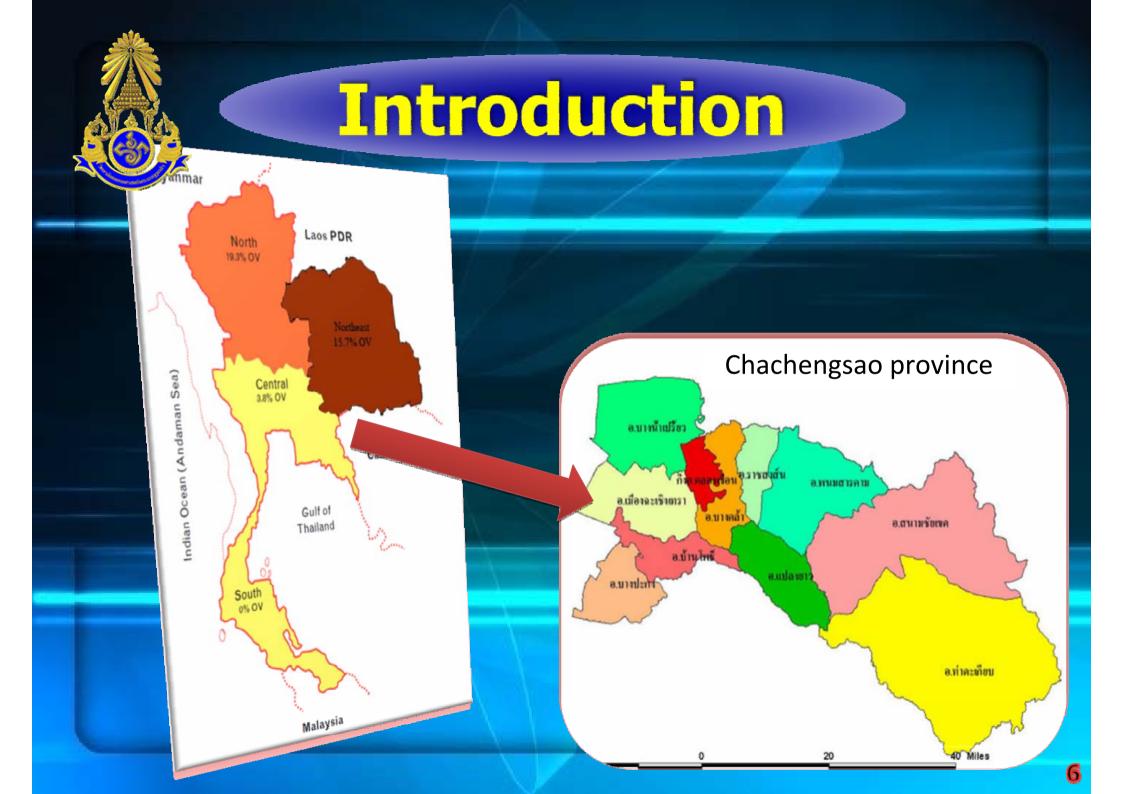


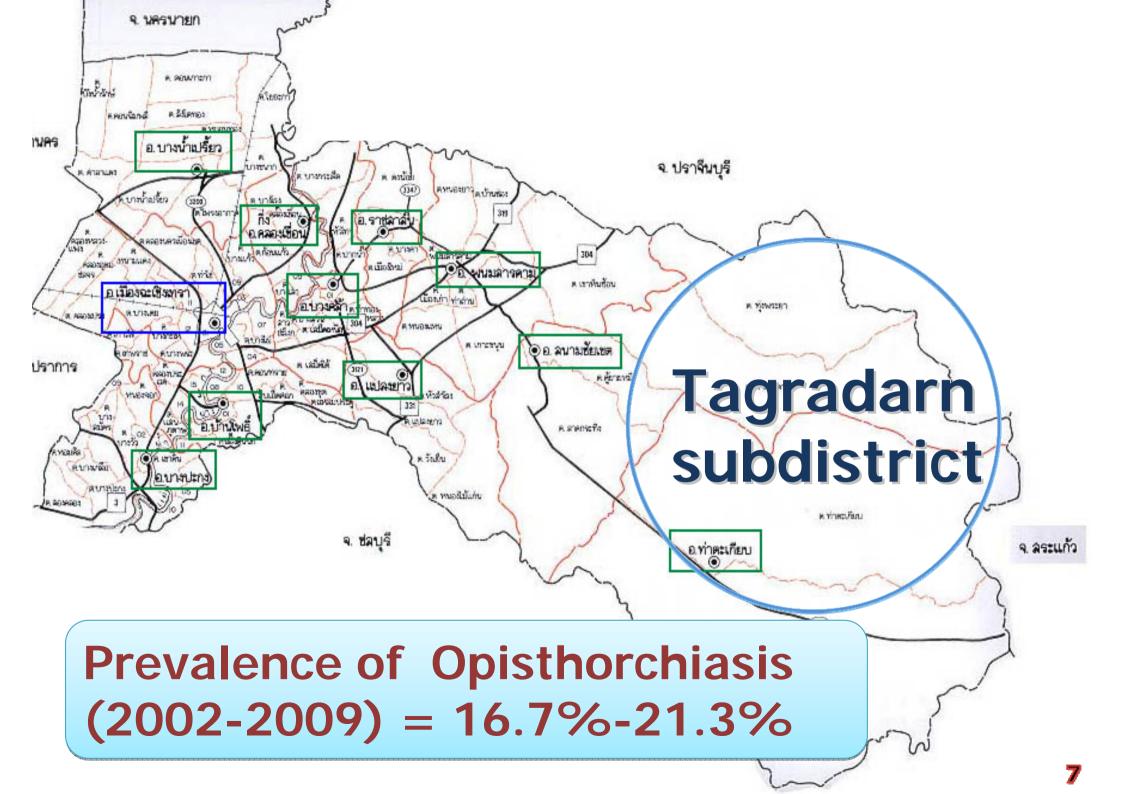




Introduction









CHARACTERISTICS OF POPULATION

- Isolated large community
- Northeastern (Isarn) culture
- Agricultural community









Introduction



- ➤ In 2004, the incidence rate was 21.6/100 person-years in Baan Nayao
- ➤ Significant risk factor was Koi pla consumption

Rangsin et al., 2009



Case diagnosis and treatment

Health education and promotion

Cooked fish consumption

Hygienic defecation

2004

21.6/100



Rangsin et al., 2009

2009 Incidence(person-years)

21.4/100



Suwannahitatorn et al., In preparation



Why did the incidence of opisthorchiasis not decline?



Qualitative study

- ➤ To determine why opisthorchiasis still persists
- Grounded theory
- > Focus group discussion



Focused group discussion

purposive sampling















Focused group discussion

Data collection



Data saturation

Content analysis





Males ate Koi pla more than females

Harvest season

Raw fish consumption: Knowledge









Pla ra vs Koi pla











Raw fish consumption: Attitude



Isarn like to eat raw food

"I think environment force us to eat this way. I eat whatever our parents do. It's inevitable."



Negative result





Raw fish consumption: Believe







Raw fish consumption: Social & Cultural





Koi pla is the traditional food

"It's our living style that we eat simple dish in the rice field. Doctors wake up and cook something to eat. Farmers wake up and go to the field and find something to eat."



Cholangiocarcinoma











Diagnosis

Diagnosis

- Local health center could not make diagnosis
- They weren't concerned since no symptoms occur









Treatment

Treatment

- Local health center and drug stores: no Praziquantel
- Treatment was effective
- Side effects were drowsiness, stomachache, fatigue





Prevention and control

Health promotion

- Regular
- >In school







Prevention and control

Defecation

- No toilet in the rice field
- > Immigrant workers







Discussion and suggestion



Knowledge

Believe & Attitude

Social & Cultural

Koi pla consumption

Defecation

Prevention & Control Program

Opisthorchiasis

Diagnosis &

Treatment



Discussion and suggestion

- Interventions
 - > Health education and Promotion
 - Regularity
 - Community participation and empowerment
 - Targeting children
 - ➤ Messages
 - Easily understood
 - Clear and precise word: koi pla
 - Terrifying outcomes



Discussion and suggestion

- Adequate diagnosis and treatment
 - > Adult male and elderly
- ➤ 100% hygienic defecation



Conclusion

Opisthorchiasis was still persistent due to inadequate knowledge, misbelieves, social and culture, including unavailable diagnosis and treatment













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- Staff of the Department of Military and Community Medicine, Phramongkutklao College of Medicine