

# Modelling of COVID-19 epidemic and interventions in IPDCs

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# Highlights

## Modelling

- ▶ Age-structured compartmental models
- ▶ Deterministic and stochastic
- ▶ Parameters estimated specifically for IDPCs.

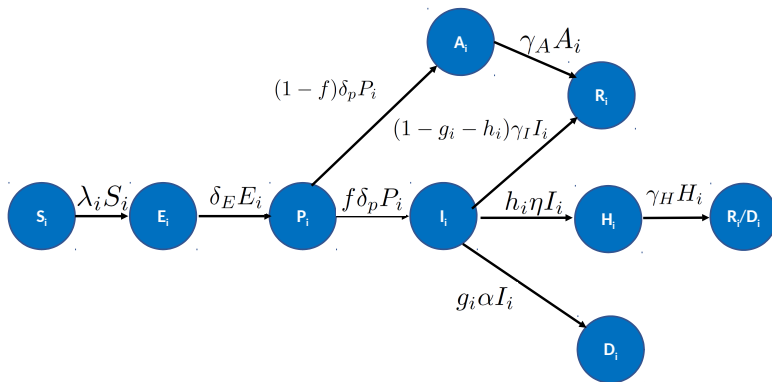
## Strategies

- ▶ Self-distancing
- ▶ Shielding
- ▶ Isolation
- ▶ Combinations

## Main conclusions

- ▶ Remark conclusion 1
- ▶ Remark conclusion 2

# Model



# Strategy 1: Self-distancing

## Description

- ▶ Reduction of number of contacts between individuals
- ▶

## Key-points

- ▶ Remark 1
- ▶ Remark 2
- ▶ Very simple measure.
- ▶ Relies on the individuals following the advice.

## Strategy 1: Self-distancing

Insert figure here.

# Strategy 2: Shielding

## Description

- ▶ Shield the most vulnerable population in a separate area of the camps.
- ▶ Vulnerable population: elderly and people with comorbidities.
- ▶ A low number of carers and family members are also shielded.

## Key-points

- ▶ Remark 1
- ▶ Remark 2
- ▶ Advantage
- ▶ Caveat

## Strategy 2: Shielding

Insert figure here.

# Strategy 3: Isolation

## Description

- ▶ Isolation of infected individuals
- ▶ cha

## Key-points

- ▶ Remark 1
- ▶ Remark 2
- ▶ We are assuming a quick response
- ▶ We are assuming perfect isolation



## Strategy 3: Isolation

Insert figure here.

# Combination of strategies

# Conclusion