

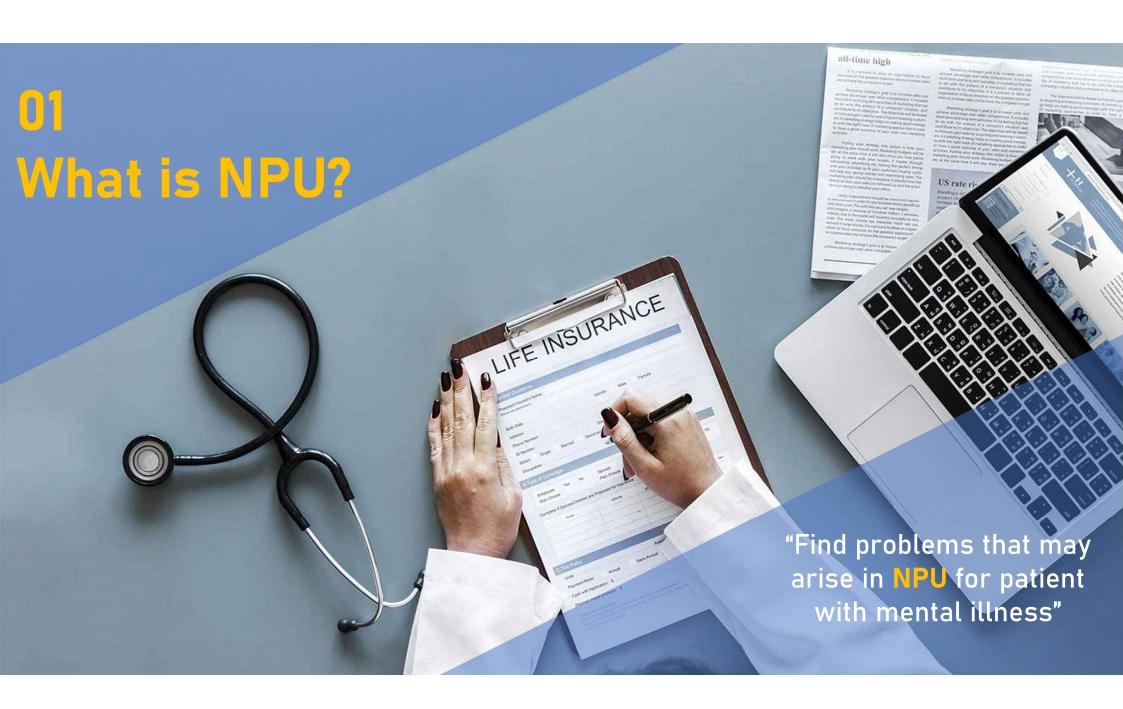
### **CONTENTS**

Problems that in NPU for patient with mental illness

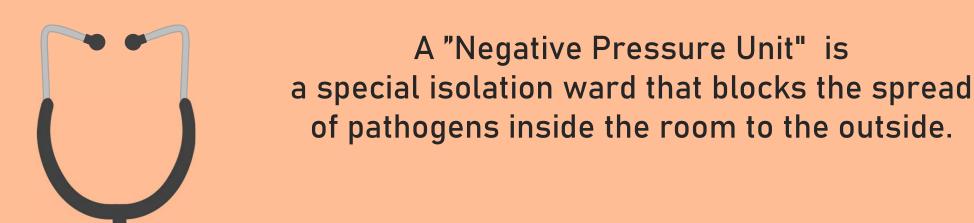
Present Condition in NPU for patient with mental illness

Problem in NPU for patient with mental illness

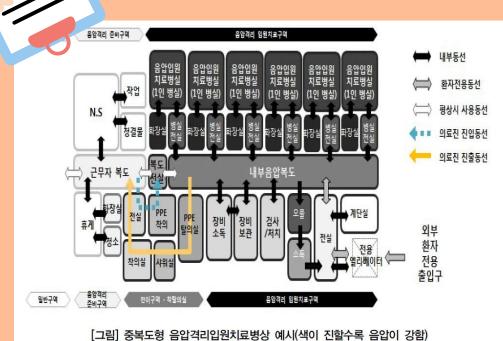
Question





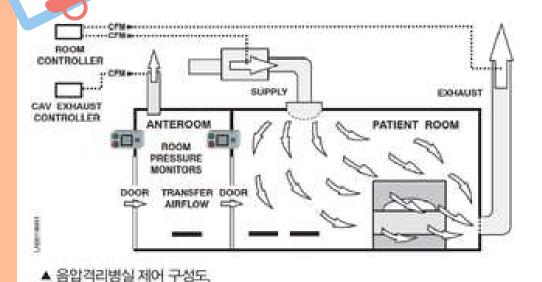


### Standard of NPU



- Physically separated from the general area
- Divided into negative pressure zone and non-negative zone
- Corridor rooms, dressing rooms, bedrooms and restrooms, waste disposal rooms, and equipment storage rooms are arranged

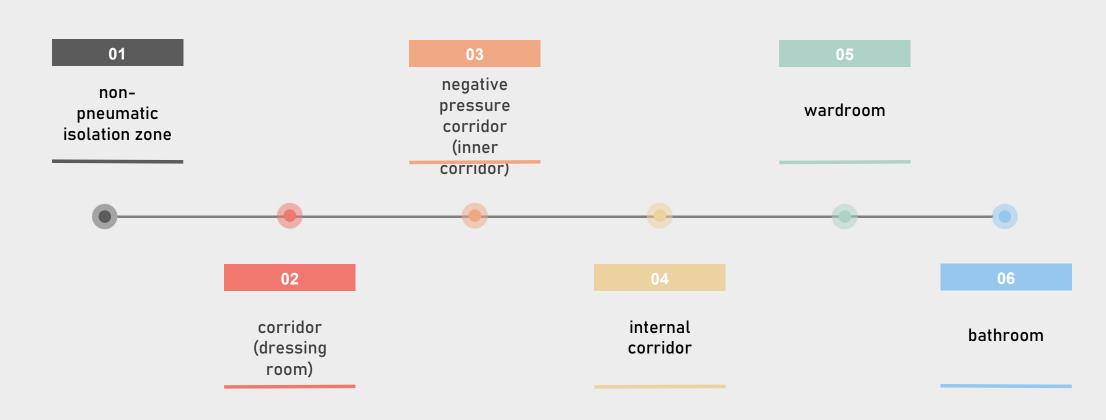
#### Structure of NPU

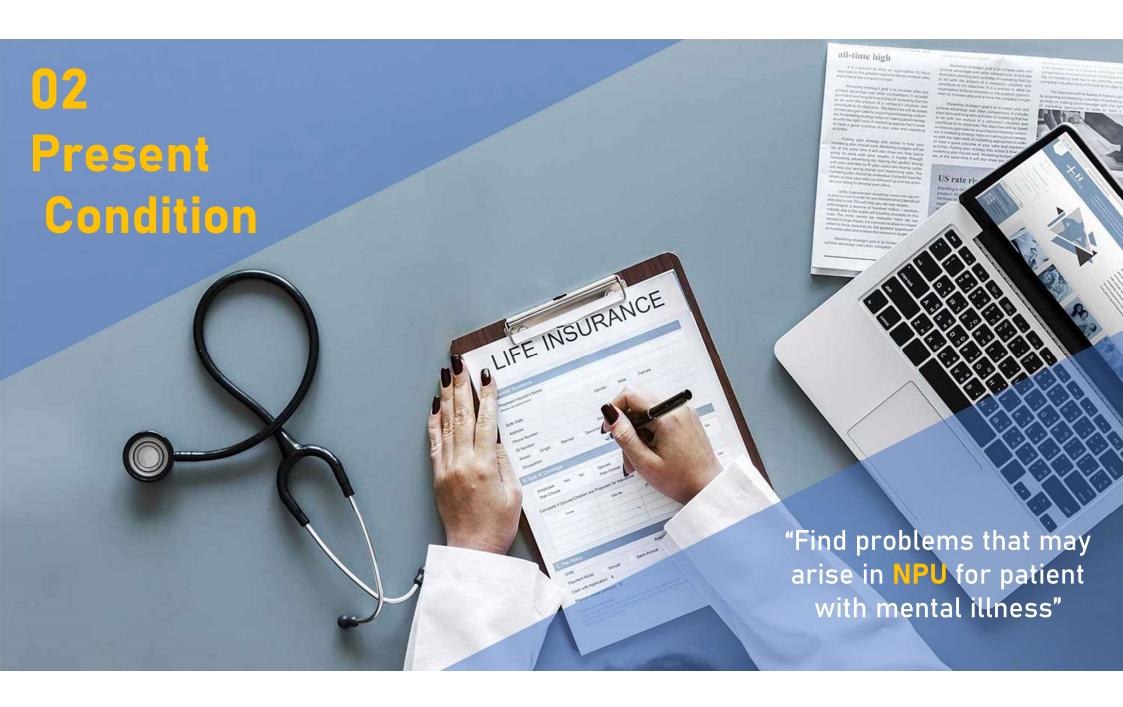


- -Since air flows from high pressure to low pressure in principle, keeping the inside of the room artificially low pressure can block the air inside from escaping out.
- In addition, air from the hospital room is released through a separate exhaust facility, where invisible bacteria and viruses are filtered out through the HEPA filter. (Highly Efficient Particulate Air Filter)

#### Structure of NPU

The negative pressure unit controls the air pressure in the room so that air flows from low to high in this order





### Total amount before COVID-19

- The total amount of negative pressure hospital bed is 1027
- The total amount of negative pressure hospital room is 755
- Shortage of NPU
- NPU is biased only in certain cities.



## Status of negative pressure rooms in the National Psychiatric Hospital +

춘천	공주	서울	나주	부곡
Chuncheon	Gongju	Seoul	Naju	Bugok
		Private ward  X 8  Ward for 4 person  X 4	FILE STATES OF THE STATES OF T	

### Future policy after COVID-19

## Additional NPU installation

250 Additional NPUs Installation Announcement

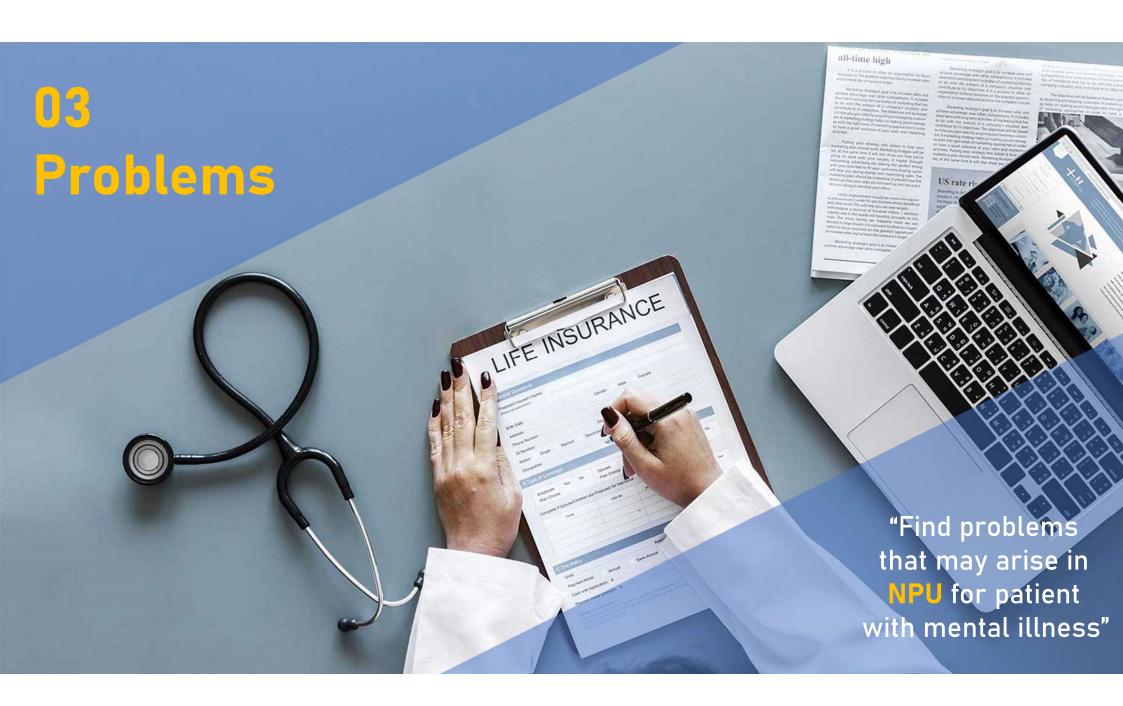




### Force additional installation

Mandatory to install NPUs.







01 Closed space



02 Lack of budget



03 Communication



04
Monitoring and Control



### 01 Closed space

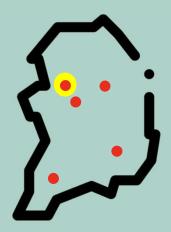


- Closed-> Another Mental Problem Possible
- Insulation description insufficient -> Anxiety increased
- In the case of negative pressure isolation, uncertainty of complete recovery and isolation period, increasing difficulties due to social stigma



### 02 Lack of budget





- Cost: About 270,000 dollars per sickbed
- Where there are NPU: 1 places -> Seoul
- The protection of the socially disadvantaged is the duty of the state
- Installation of NPU
  - -> Reduced number of general hospital rooms



### 03 Communication



Medical staff wearing complex medical protective gear to prevent infection



Poor communication



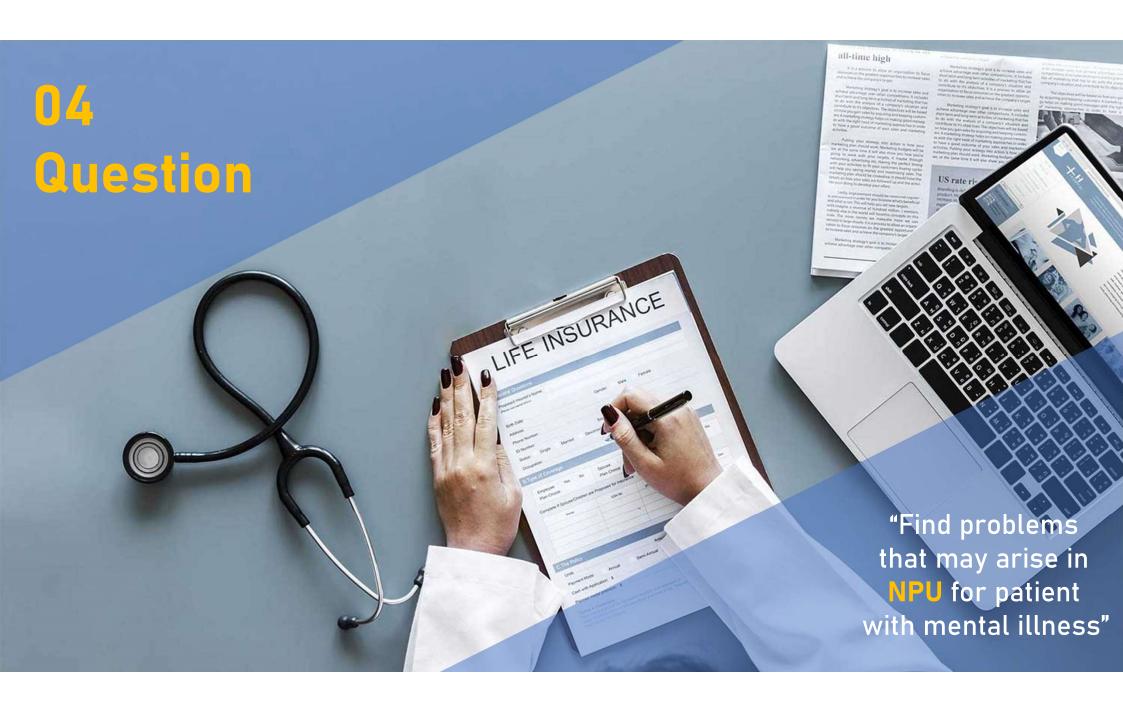
Impossible to solve emotional problems



# 04 Monitoring and Control

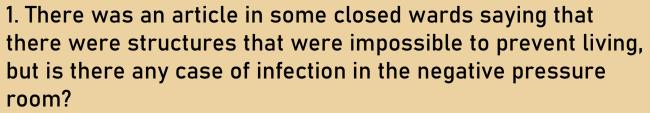


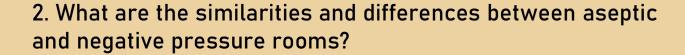
- The negative pressure room is monitored and controlled 24 hours a day.
- Unprotected privacy of patients -> Complaints -> Possible danger
   Ex) Denial of treatment and medical accident





### [Question]





- 3. For an efficient medical system in the future, which criteria should the hospital's negative pressure and general hospital rooms be designed to meet?
- 4. Is there a medium hospital room for negative pressure and general hospital rooms?

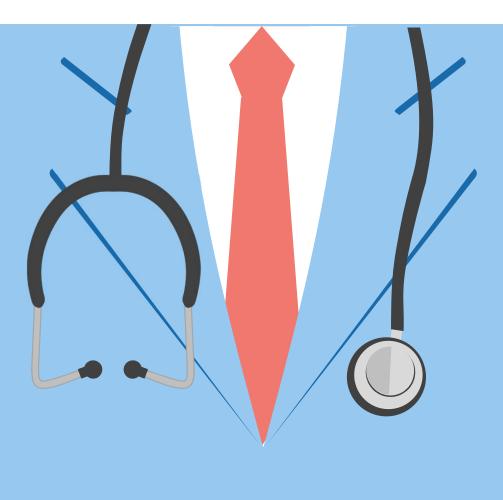




### [Question]



- 5. What are some ways to increase the economic effectiveness of negative pressure rooms?
- 6. What can be done quickly in the event of an emergency for a mentally ill patient in a negative pressure room?
- 7. How will the immunological management of mental patients be carried out within the negative pressure ward?
- 8. What happens to the transport of mentally ill patients subject to isolation when there is a shortage of negative pressure wards?
- 9. Is there a high demand for volunteers?



### THANK YOU