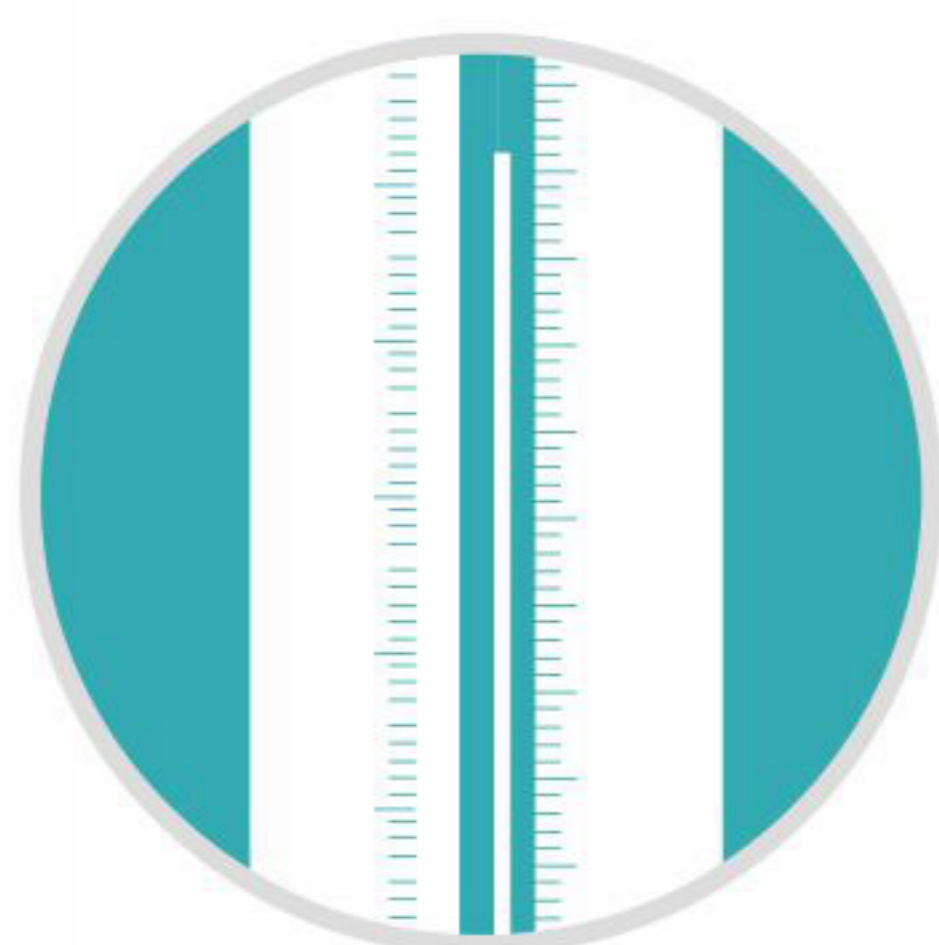


## Let us improve indoor air quality



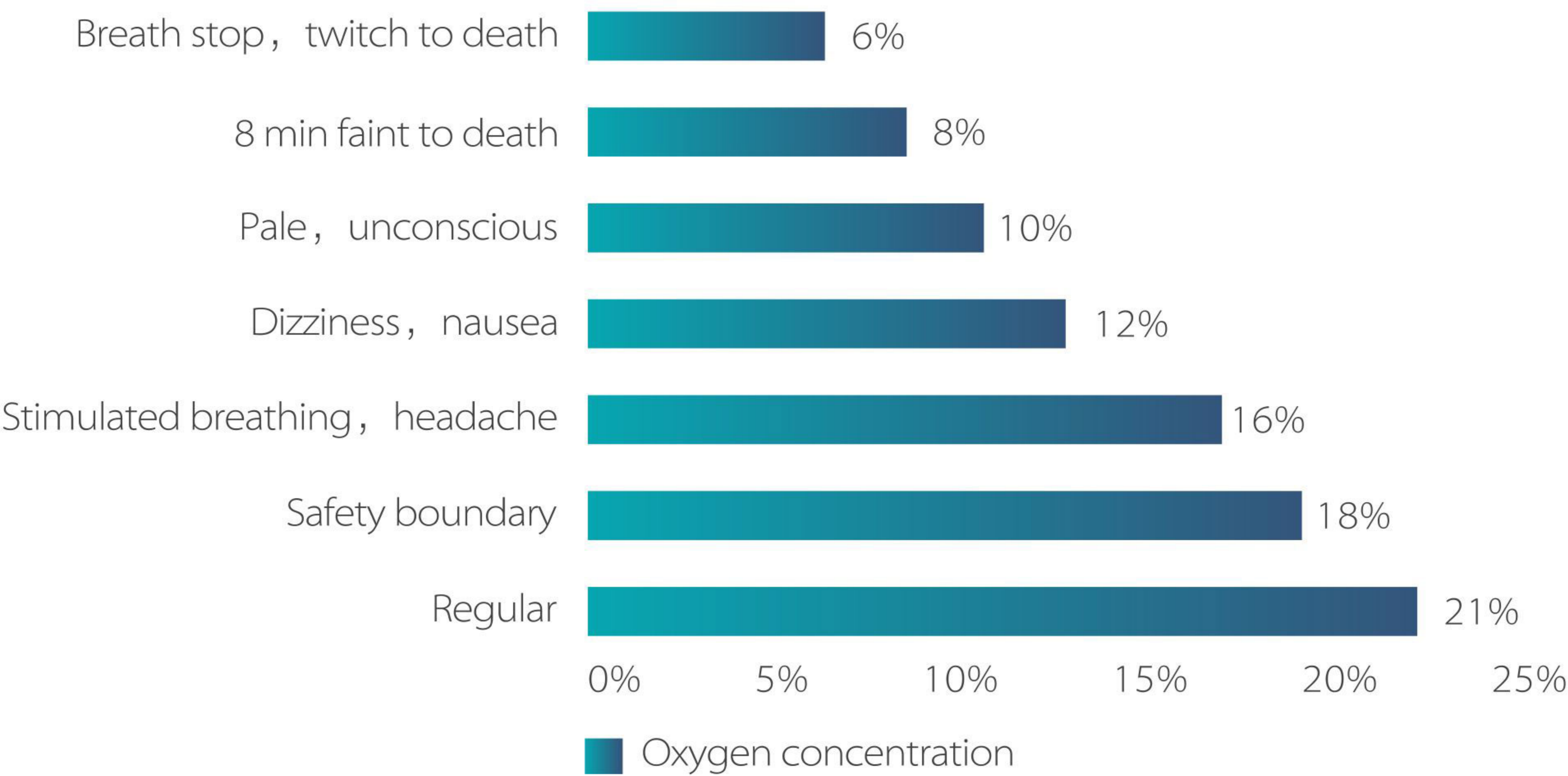
Indoor air has  
**2-5**  
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outdoor air

### “ Invisible Killer ” ——indoor air pollution”

- The third environmental pollution following the “soot pollution” and “photochemical smog pollution”.
- Listed as well as high blood pressure, cholesterol, hyperparathyroidism, and obesity as ten great threat of human health by World Health Organization.
- Nearly half of the people in the world live in polluted indoor air involving 80 percent of the urban population.
- Responsible for 35.7% of respiratory disease, 22% of chronic lung disease and 15% of tracheitis, bronchitis and lung cancer.

Indoor air has 2-5 folds pollution than outdoor air and even up to 100 folds in exceptional cases There are 500 kinds of volatile organic compounds in the indoor air, about 20 kinds of them are carcinogens and 200 kinds are pathogenic viruses.

### Symptoms of oxygen absence



Nussun aims at actuating breathing culture and committing to research & development of environmental ventilation to creat a healthy indoor air environment for inhabitance.



## Dirty indoor air bring us harm

Indoor air pollutants	Pollution source	Harms
HCHO	Floor, furniture, splints, wallpaper, dope	0.1mg / m <sup>3</sup> odors and discomfort; 0.5mg / m <sup>3</sup> stinging eyes. 0.6mg / m <sup>3</sup> cough, nausea, vomiting; 30 mg / m <sup>3</sup> can cause death
Benzene		Short-term inhalation inhibit ganglia, causing drowsiness, headache, vomiting, chest oppression;Serious carcinogen, long-term inhalation causes leukemia
Excessive TVOC		Short-term inhalation inhibit ganglia, causing drowsiness, headache, vomiting, chest oppression Serious carcinogen, long-term inhalation causes leukemia Damaging liver and hematopoietic system in serious cases
Ammonia	Wooden furniture	Causing pulmonary edema, laryngitis
Bacteria, fungi and viruses	exists in warm, moist, unclean environment	Spreading with dust and particulate, cause of allergens and a variety disease
Radioactive material	Building stone and floor	Short-term causes hair loss, long-term is carcinogenic

## People most severely affected by indoor air pollution

Public places	Heavy capacity, poor ventilation and air quality
Paramedic	Bacteria and viruses pollution is serious in hospital and spreads over human beings, and items. Number of individuals occupy a small space, additional insulation to reduce ventilation
Students	Large amount of students and small individual occupied space, carbon dioxide exceeded when reducing ventilation to save energy
Wite-collar workers	The office is relatively closed, the air lacks circulation and stale. Body and metabolism ability declines easily