

Using Prepositions in Academic Writing

Severe turbulence on a Singapore Airlines flight from London to Singapore has left a 73-year-old man dead and injured more than 70 people. The incident, although rare, is raising questions about what caused such a serious disruption to the flight — and whether climate change will make the strength and frequency of turbulence on planes worse.

The plane, which departed on 20 May, experienced a sudden drop of around more than 1,800 metres that launched people and objects towards the cabin roof. It is the airline's first fatal incident in 24 years.

“Severe turbulence is the one that turns you into a projectile,” says atmospheric researcher Paul Williams at Reading University, UK. “For anyone not wearing a seatbelt it would have been a bit like being on a rollercoaster without any restraint in place — it would have been terrifying,” he says.

Most flights experience some levels of turbulence. Near the ground, strong winds around the airport can cause turbulence as planes take off or land. *Nature* looks at the science of air turbulence and how climate change will influence it.

Introduction Section

- X is the leading cause **of** Y **in** most industrialized countries.
- X is a common disease characterized **by**...
- X is a widely discussed issue **in** the field **of**...
- Recent developments **in** X have raised questions **about**...
- **In** recent years, increasing attention has been drawn **to**...
- The majority **of** earlier studies **on** X have focused **on**...
- **Over** the past 20 years, the incidence **of** Y has steadily increased.
- **In** the last 20 years, a number **of** studies have reported **on**...
- **Since** the late 1980s, advancements **in** the field **of** Y have led **to**...
- We tested the effect **of** antibiotics **on** bacteria **in** the treatment **of**...
- Past research **into** X has been lacking, due **to** methodological restrictions.
- A limited number **of** experiments have been reported **on** X so far.
- **Despite** its long use **in** clinical research, method X still has serious limitations.
- The main purpose **of** our study was to expand our understanding **of**...

Methods Section

- The patient presented **at** our hospital **with** dizziness.
- The patient suffered **from** gastrointestinal bleeding.
- The patient complained **of** recurring headaches.
- Patients underwent surgery **on** the first day of hospital admission.
- Patients with no complaints **during** the past 2 weeks were considered pain-free.
- Participants who reported not having a smartphone were excluded **from** the study.
- A total **of** 45 participants who provided consent were included **in** the analyses.
- To prevent participants **from** moving, we placed a cushion **under** their head.
- In order **to** detect motion artefacts, the data were analyzed **with** Y software.
- Samples were collected **over** a period of...
- Stimuli were presented **at** intervals of...

Results & Discussion Sections

- Our comparison **of** different fish species revealed differences **in** food preference.
- The majority **of** participants responded **to** all questionnaire items.
- Group 1 showed a bigger effect **than** group 2.
- Nine **of** the 20 mice died **of** respiration arrest.
- Our analyses show that there are problems associated **with** the use of...
- We tested the correlation **between** X and Y and found that...
- ANOVA was used **to** assess the effect **of** X **on** Y.
- Figure 3 shows the differences **between** the treatment and control groups.
- We found no significant reduction **in** X compared **to** baseline concentrations.
- Our findings provide crucial insights **into**...
- Our findings point **to** an important role **of** X **in**...
- The results **of** the current study are not consistent **with** earlier findings.
- Our findings differ **from** those **of** earlier studies.
- Our results are in line **with** those **of** earlier studies.
- The differences **between** our study and that **by** Smith et al. can be explained **by**...
- A possible explanation **for** the discrepancy **in** results could be that...
- The differences could be attributed **to**...
- Our results show the effectiveness **of** X as a cure **for** Y **in** elderly patients.
- Our findings highlight the role **of** X **in** the treatment **of** Y.
- Further studies focusing **on** X are needed **to** clarify the role **of**...