A Big Earth Data Platform for Three Poles

**Systemic inflammatory and oxidative stress index of native Tibetans on the Tibetan Plateau (2021)**

1、Description

The data set contains the systemic inflammatory oxidative stress indexes collected from native Tibetans in Lhasa and Nyingchi in Tibet Autonomous Region for four follow-up visits. The project carried out four follow-up surveys in Lhasa and Nyingchi from May to June and September to October 2021, and a total of 212 subjects were recruited.
Biological samples of subjects were collected at each visit. The professional nurses of Lhasa Second People's Hospital and Nyingchi Jianmin hospital collected 18 ~ 20ml blood samples, and some samples were sent to the hospital for analysis. The related indexes of leukocytes such as lymphocytes, basophils, neutrophils, eosinophils and monocytes can reflect the level of systemic oxidative stress inflammation.
The data can be used to evaluate the level of systemic inflammatory oxidative stress of native Tibetans in Tibet, and further analyze the effects of ozone exposure and hypoxia on systemic inflammatory oxidative stress of permanent residents.

2、Keywords

Theme：Population,Environment Pollution and Control
Discipline：Human-nature Relationship
Places：Lhasa, Nyingchi
Time：2021

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：0.041MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.4 | - |
| west：91.06 | - | east：98.47 |
| - | south：26.52 | - |

5、Time frame:2021-05-06 16:00:00+00:00--2021-11-06 16:00:00+00:00

6、Reference method

References to data:

GONG Jicheng . Systemic inflammatory and oxidative stress index of native Tibetans on the Tibetan Plateau (2021). A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2722322022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: GONG Jicheng
unit: Peking University
email: jicheng.gong@pku.edu.cn