



**Pan American
Health
Organization**



**World Health
Organization**
REGIONAL OFFICE FOR THE **Americas**

Health conditions and services in artisanal small-scale gold mining settlements and public health strategy

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Contents

- Brief overview of social, health and environmental impacts of ASGM
- Mercury and health
- Health in the Minamata convention
- Public health in the national strategic plan for ASGM



Mining settlements social conditions

- Migrant workers/camps
- Alcoholism
- Prostitution
- Corruption
- Crime and Violence
- Gender concerns
- Child labour



Photo: Carlos Garcia Rawlins / Reuters

Health issues overview

- Gastro intestinal diseases - lack of adequate water and sanitation – housing conditions
- Malaria, Dengue
- HIV/AIDs and other communicable diseases
- Chemicals: mercury, cyanide, lead, DDT etc
- Ergonomics, nutrition
- Access to health care facilities
- Uninformed access to medicaments



Dust

- Underground mining - rock dust
- Crushing ore in mills - fine dust
 - occupational lung diseases
 - Pneumoconiosis
 - Silicosis
 - Tuberculosis <-> Silicosis
- Example: mining in Mongolia
 - Dust induced bronchitis and pneumoconiosis main cause of occupational lung diseases. Accounted for 67% of cases reported from 1967-2004.



Bottom Photo courtesy of Dr. Stephan Boese-O'Reilly 1998-2013

Slide 5

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I presented this in Mongolia so I used a local example. If you can find a relevant regional one, go ahead and change this.
ADMINISTRATOR; 13.08.2013

Accidents

- Diving in water river with unsafe air supplies and overcrowd in the “fofocas”
- Bank rivers falls & bottom river impacts
- Underground mining in unsafe tunnels
- Unprotected open pits
- Explosives
- Explosives

Fatal accidents – often poorly recorded



https://www.yunbaogao.cn/report/index/report?reportId=5_14635

预览已结束，完整报告链接和二维码如下：



Noise

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Stamp mills in Zimbabwe and Tanzania



Madeira river, Brazil

Upper photo courtesy of Dr. Stephan Boese-O'Reilly 19

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