

## Multidrug-resistant tuberculosis: Improving response to challenge?

Nino Korinteli

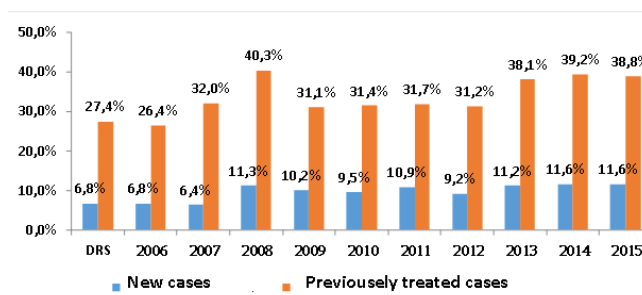
Tbilisi State University, Georgia

### Abstract

**Statement of the Problem:** The Association Agreement with Europe commits Georgia to conduct epidemiological surveillance of transmitted diseases, including tuberculosis and its resistant forms. Until 2016 Georgia was among the twenty-seven countries under the “high burden” of resistant tuberculosis. The situation has been improved since 2016, but the problem of resistant tuberculosis has not lost its sensitivity and has proved to be a major challenge for the country as airborne disease, “attacking” people in reproductive age and with low immunity.

**Methodology & Theoretical Orientation:** Desk research based on the data of different countries (laws, studies, statistics), case study, comparative analysis of research conducted in Georgia. In addition, five In-Depth Interviews were conducted with four employees of the National Tuberculosis and Lung Disease Center and one WHO Technical Officer. Findings: the continuity of treatment of resistant tuberculosis (with its many sub-components - personal, social and institutional) is a central factor for prevention and decrease of the disease, along with factors such as TB diagnosis, governance, financing and TB/HIV collaboration. In 2013 and 2016, in Georgia, three barriers for the continuity of treatment were identified: stress / depression, financial, time constraint (e.g. loss of job due to illness) and problems in medical service, and motivator - social support.

**Conclusion & Significance:** The prevention of resistant TB as a public health risk, involves a number of interrelated measures, including the improvement of: TB control law (Mandatory Isolation), which resulted in contradictory assessments and medical services (e.g. management of side effects, training of health care workers, wide coverage of the primary health care and TB institutions, technology (Telemedicine development) and screening, enhancement - expansion of multidisciplinary approach), as well as information campaigns (peer education, fighting against stigma, main target groups, family, society, employers).



Source: NCDC (2016)



### Biography:

Nino Korinteli brings 10 years research experience. From 2016 she was working as an individual consultant (analyst) with several organizations Public Defender of Georgia, Tbilisi State University, etc. From 2009 to 2016 she was working as an expert-analyst (ISSA Georgia) and was involved in research projects which gave her the possibility of being familiar with various issues: health care, education and training, social protection and social inclusion agriculture, politics, etc. She collaborated with different local and international organizations (such as USAID, UNDP, UNICEF, Swiss Agency for Development and Cooperation (SDC), UNAIDS, OXFAM, URC, etc. Nino is also Certified Public Policy Analyst (CPPA) Program graduate (North Texas University & Free University Georgia). She successfully completed the program working on policy paper linked with health care issues

### Speaker Publications:

1. R.D. Deshmukh a,c,\*, D.J. Dhande b, K.S. Sachdeva c, A.N. Sreenivas a, A.M.V. Kumar d, M. Parmar ; Indian journal of tuberculosis 6 5 . Social support a key factor for adherence to multidrug resistant; Tuberculosis treatment; (2 0 1 8) Received 8 December 2016; Accepted 11 May 2017; Available online 2 June 2017
2. Manfred Danilovits Challenges in Estonia: Key issues related to X/MDR-TB and TB/HIV management Hospital, Department of Tuberculosis, Estonia WHO, Green Light

Committee/Europe, Consultant on Drug Resistant Tuberculosis;  
St Petersburg Tuberculosis Seminar 18-19.9.2017 Tartu  
University

3. Medea Gegia,\* Iagor Kalandadze,\* Russel Rayan Kempker,  
Henry Michael Blumberg, Matthew James Magee; Risk Factors  
for Poor Treatment Outcomes among Patients with Drug-  
Resistant Tuberculosis in the country of Georgia

4. Mayakova Yulia. Georgian Solution for a Post-Soviet TB  
Program: Can Integration into Primary Health Care Improve  
TB Care? August 17, 2017

[16<sup>th</sup> World Congress on Healthcare & Technologies;](#)  
Barcelona, Spain- June 15-16, 2020.

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