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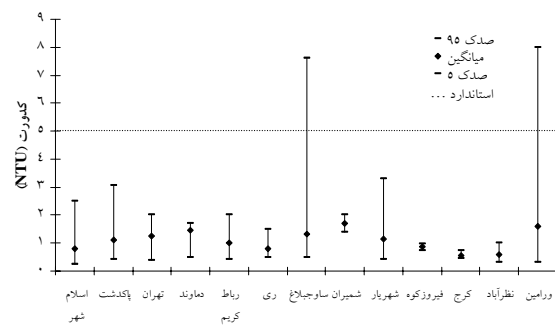
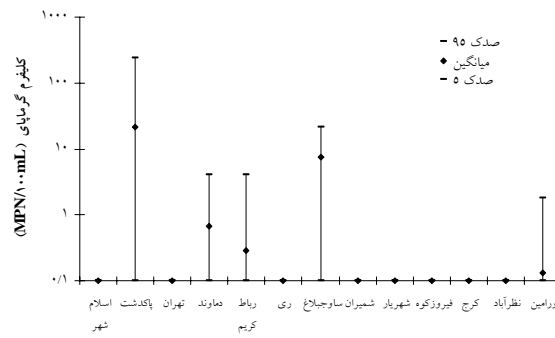
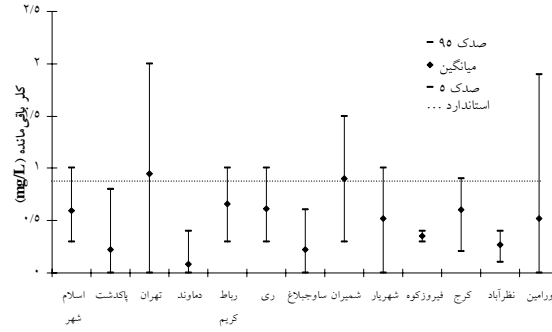
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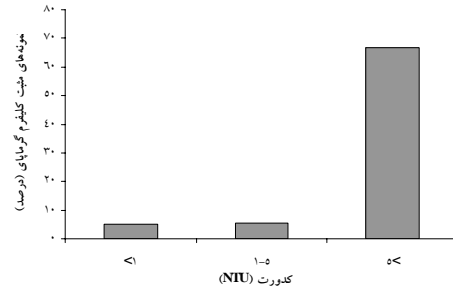
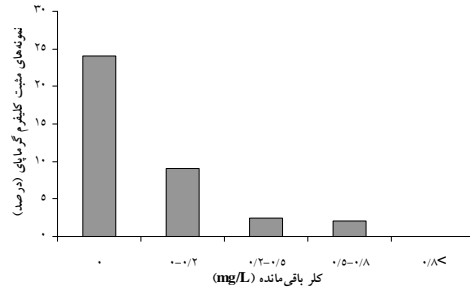
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- Development Goals?. ADB. *Philippines*. pp 9-22
- Cortruvo, J.A., Graun, G. F. and Hearne N., 1999. Providing safe drinking water in small systems. *NSF-WHO*.
- World Health Organization., 1996. Guidelines for drinking-water quality. 2nd ed., vol. 2. Health criteria and other supporting information. *WHO, Geneva*.
- World Health Organization., 1997. Guidelines for drinking-water quality. 2nd ed., vol. 3. *WHO, Geneva*.
- World Health Organization., 2000. the world health report: Making a difference, *WHO, Geneva*.
- World Health Organization., 2006. Guidelines for drinking water quality Vol. 1. Recommendations. WHO. Geneva. 1<sup>st</sup> addendum to 3<sup>rd</sup> Ed.
- World Health Organization, United Nations Children's Fund, Water Supply and Sanitation Collaborative Council., 2000. Global Water Supply and Sanitation Assessment 2000 Report, *WHO- UNICEF, Geneva*.

Ainsworth, R., 2004. Safe Piped Water- Managing Microbial Water Quality in Piped Distribution Systems. 1<sup>Th</sup> published, *IWA, UK*.

American Public Health Association, American Water Works Association, Water Pollution Control Federation., 2005. Standard methods for the examination of water and wastewater, 21st Ed., *APHA-AWWA-WPCF Washington DC. USA*.

Asian Development Bank, United Nations Development Programme, United Nations Economic and Social Commission for Asia and the Pacific and World Health Organization., 2006. Asia water watch 2015: Are Countries in Asia on Track to Meet Target 10 of the Millennium