Table S1. Training syllabus for vector control personnel hired by a private contractor to apply Integrated Vector Management of *Aedes aegypti* mosquitoes in Caguas city, Puerto Rico 2016. Lectures were given in one day and field training the following day in urban areas of Caguas city.

|  |  |  |
| --- | --- | --- |
| **Module** | **Title** | **Topics presented** |
| 1 | Introduction | Presents the topics and objectives of the training |
| 2 | Arboviral diseases: dengue, chikungunya and Zika | Definition of arboviruses and basic information on dengue, chikungunya and ZikaTransmission of the viruses by *Ae. aegypti*Other ways of dengue, chikungunya and Zika virus transmissionBasic information on Zika (history, spread throughout the world, bird defects, and Guillain-Barré syndrome) |
| 3 | *Aedes aegypti*: biology and ecology | Basic biology and ecology of the *Aedes aegypti* mosquito |
| 4 | Surveillance and control of the mosquito that transmits dengue, chikungunya and Zika viruses | Importance of vector surveillance and controlSurveillance and control methodsCorrect way to inspect a property and treat water-holding containers |
| 5 | Effective communication for Vector Control - AGO Traps | Techniques for communicating effectively verbally and non-verbally when speaking to community residentsTechniques to answer community residents’ questions clearly and accuratelyExercises to practice interpersonal communication skills in situations that may arise while speaking to residents about the AGO traps |
| 6 | Health and safety: staying safe and healthy in the field | Information on the most common risks associated with performing mosquito control activitiesDescription of the precautions that employees should take to protect their health and safety during mosquito control activities |
| 7 | Methods for control and surveillance of *Aedes aegypti*: Autocidal Gravid Ovitrap (AGO) | Information on the AGO trap, assembling, installation, and maintenance |
| 8 | Data management | Correct way to collect field data using data sheets or the Entomology App.Importance of entering data correctlyUsage of maps: how to use a map, positioning on map using electronic hand-held data acquisition devices, and importance of data on maps |
| 9 | Field exercises | Practice house inspections, source reduction, applying larvicide, assembling and servicing AGO traps, orientation in the field using maps, and data acquisition |