

### **Case study 7:**

As a part of the national measles elimination campaign The Ministry of Health, Harmonia decided to conduct a mass immunization campaign for all children 9 months up to 15 years of age on **1 March 2016**. Parents were asked to bring their children to the nearest health centre for MR vaccination.

At the Platinum Primary School, consent forms were sent to parents of all eligible children. The school based immunization was carried out in the morning of 1 March 2016. 137 children were vaccinated in the school without any incident. 8 children of class 1 missed the vaccination as they went to an audition. In the afternoon, the school headmistress instructed Ms Pearl, the school nurse to take 8 children to the Primary Health Unit Platinum to get vaccinated.

Ms Pearl took the children to Primary Health Unit Platinum, located at Aries Street, pProvince Yellow for the MR vaccine. The vaccine was administered by Ms Sadhna a new vaccinator between 2.15 and 3,15 pm. The details of the vaccine and the diluent are given below

<b>Vaccine</b>	<b>Batch number</b>	<b>Date of manufacture</b>	<b>Expiry date</b>
Khasrubelvac (MR vaccine)	DER112CV 2015	Dec 2015	Nov 2018
Khasrubel Diluent (Diluent)	ASDF32123	Oct 2015	Sep 2018

One of the children who was vaccinated was a boy Aadish with date of birth 12.3.2010. He lived with his parents Mr Pran and Mrs Bella at No 22 Pompli street, Platinum, Province Yellow, Platinum District Location 8. Their residence phone number was +12 345 67 98 887

The same day evening, Aadish developed high fever and complained of pain at the site of injection. His vaccinated arm started swelling. He refused to have food and started vomiting severely, he had generalised seizure at 10.30 pm, he was rushed to the Platinum Central Hospital at 11.00 pm. There he was examined by Dr Celine, the paediatrician of Platinum Central Hospital (e-mail id: [celine@platinummail.com](mailto:celine@platinummail.com) ; Phone +12 345 67 98 765) who made a diagnosis of toxic shock syndrome and admitted him to the ICU.

At 11.45 pm of **1 March 2016**, Dr Celine telephonically informed the District Immunization Officer Dr Michael Jackson who works at office of the MoH, Seaview Road, Platinum district, Province Yellow, Harmonia (email: [michaeljackson@123mail.com](mailto:michaeljackson@123mail.com) Phone +12 543 21 67 895) about the admission of Aadish. Dr Michael Jackson promised to visit the hospital as soon as possible and told Dr Celine to assign the case number HAR-PRYE-PLAT-2016-0017 in the AEFI reporting form and initiate the AEFI reporting process. Dr Celine collected the details and completed the AEFI reporting form on **2 March 2016** at 12.30 AM. Aadish was still in the ICU and had not recovered at the time of completing the form.

Dr Michael Jackson further checked the details of the vaccination session with Ms Sadhna the new vaccinator and discovered that she had reconstituted all vials of the MR vaccine on the evening of 29 February 2016.

#### **Group work 1:**

1. Enter the details of the above case in a paper AEFI reporting form
2. Wait for the other participants to complete... and as you wait consider how you will answer the following questions

#### **Questions: In this scenario, if this case was occurring in your locality in your country**

1. Who should first report the AEFI ? How should it be reported?
2. Who should receive the first report?

#### **Group work 2:**

1. Click <http://gysi-ae-fi-tools.org/ae-fidata/training/> and access the “IFA Harmonia” website
2. Login is as a, “Learner” and wait for instructions from your facilitator to decide if you will be a “national user, “province user” or “district user”
3. Complete the online AEFI reporting form using the paper AEFI reporting form you just completed and await instructions