

HOW TO IMPROVE THE QUALITY OF THE TRANSFUSION CHAIN: FACTSHEETS AND "GUIDELINES" AVAILABLE AND USED BY THE FRENCH HAEMOVIGILANCE NETWORK

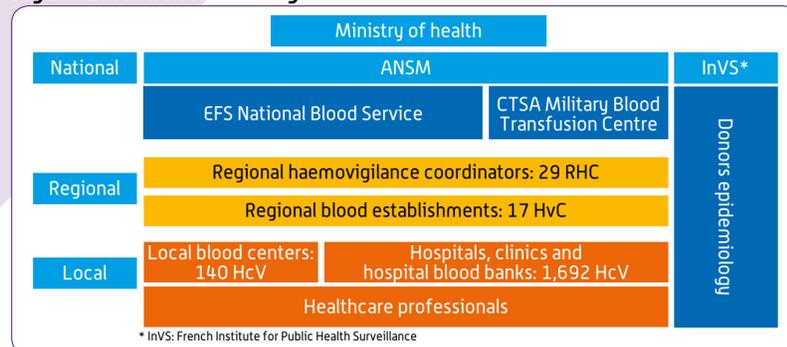
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BACKGROUND

The French haemovigilance (HV) system is organised by the ANSM (former Afssaps), French Competent Authority for health products, in a network (Figure 1) integrating different levels: national (French national blood service (EFS), Army blood centre (CTSA)), regional (regional coordinators (RHC) and HV correspondents (HvC) of regional blood establishments) and local levels (HV correspondents (HvC) of hospitals and clinics and sites of blood establishments).

The epidemiological follow-up of blood donors is carried out by the French institute for public health surveillance (InVS).

Figure 1. French haemovigilance network



From 1994 to 1998, reporting was made in paper form sent by fax. And in a 2nd time via the 1st generation of national HV database, called GIFIT.

In 2003, the ANSM has developed an IT system for reporting, called e-FIT to improve collection, supervision and evaluation of the HV reports. This system was available for the HV network in 2004 and it was accompanied by successive factsheets and guidelines.

PURPOSE

The quality of the data used as indicators is essential. In order to help the harmonization of the HV reports, a common approach was developed at the national level: definitions, "guidelines" and factsheets which have been written by national expert working groups from the ANSM and disseminated following a period of public survey.

HV in France is based on (i) a compulsory and standardized reporting, (ii) a network structure, (iii) a standard reporting form (Figure 2) created to harmonize and facilitate the reporting.

Each notification is classified according to the diagnosis, severity and imputability to transfusion or donation.

Figure 2. Model of content of the common approach: example of TACO



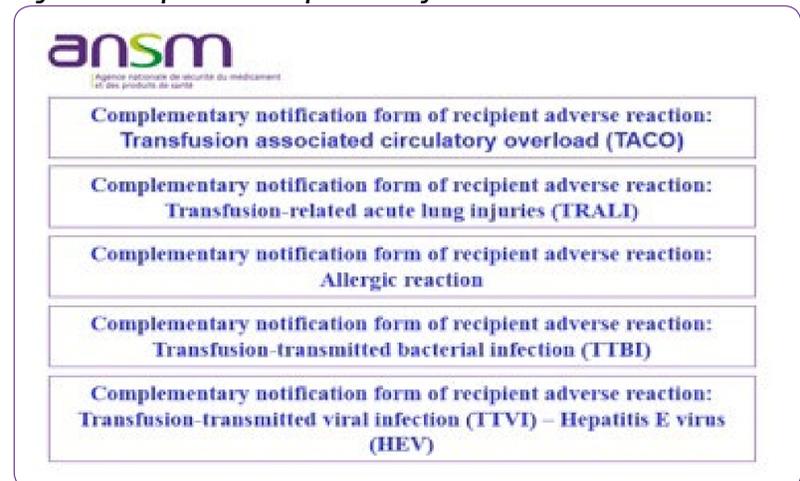
The main Factsheets are related to recipient ARs (Figure 3). Transfusion-transmitted bacterial infection (TTBI) which was the first implemented permitting the TTBI surveillance to reduce the TTBI's occurrency.

Figure 3. Main recipient AR factsheets



Furthermore, specific complementary notification forms are available. The last one elaborated was the form concerning HEV (2014). (Figure 4).

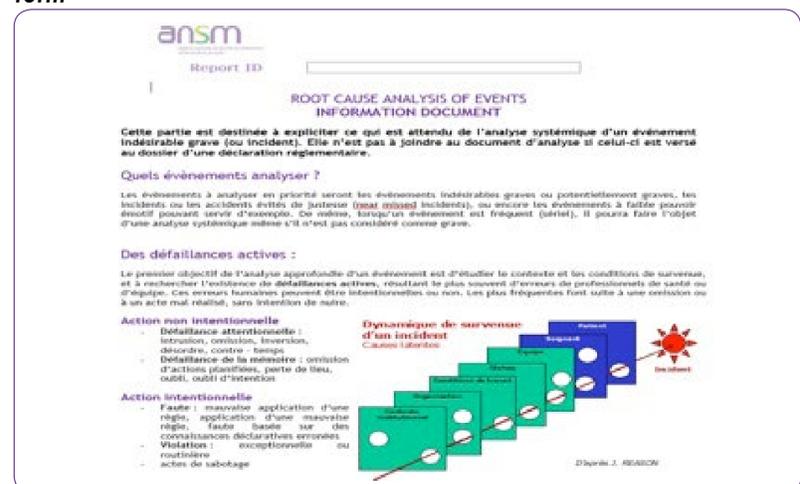
Figure 4. Recipient AR complementary notification form



Recently, the documentation concerning Donors HV was developed (Citrate reaction and Major cardiovascular event (MCE)).

Moreover, the root cause analysis document was made available to the network in 2010. (Figure 5).

Figure 5. Model of Root cause analysis as complementary notification form



SUMMARY

The factsheets and guidelines have, since their elaboration, permits to the reporters to take into account the pathophysiological approach for the transfusion reactions, occurred both in the blood donors and in the recipients of blood components.

The complementary notification forms, included Root cause analysis form, were used to refine the analysis of adverse reactions and also analysis of processes in all the steps of the transfusion chain.

These documents are intended to be updated in the light of scientific and technical progress.

Authors are acknowledging all the members of the HV network for their continuous involvement and their prompt and efficient cooperation.