

## **Appendix 3. Descriptions of Effects, Barriers and Facilitators according to the adapted frameworks of Gagnon and Donabedian**

---

### **Effects, Barriers and Facilitators**

#### **Effects**

- ± Outcome: all proven effects on patient-level due to the implementation of a predictive system in the clinical use.
- ± Process: all proven effect on the process of healthcare delivery or workflow of healthcare professionals due to the implementation of a predictive system in the clinical use.
- ± Structure: all proven effect on the resources (other than labor) infrastructure in the healthcare system due to the implementation of a predictive system in the clinical use.

#### **Barriers & Facilitators**

- Organization: Barriers & Facilitators found in the organization, which is defined as the whole healthcare system higher than the level of a single professional.
- Professionals (Individual): Barriers & Facilitators forthcoming from individual knowledge, attitude, habits and use.
- Physiology (Human): Barriers & Facilitators forthcoming from the (patho)physiology of the patient
- Technology: Barriers & Facilitators in the domain of the current or near state of art technology.