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## **Infant bronchiolitis follow-up: common multidisciplinary protocol and toolkit for Health Professionals and Patients: acceptability and feasibility in French Primary Care Trusts (PCT)**

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**Background:** Bronchiolitis is in progress in France implying a real problem of health management.

**Purpose:** To harmonise and reduce the variability of practices using a toolkit. To improve patients-family information by requiring a collaborative and protocol practice in French PCT.

**Methods:** A multidisciplinary working group has been assembled, composed of approximately 20 healthcare professionals in PCT. The toolkit is dedicated to the follow-up of bronchiolitis and targets both health professionals and patients. The working group identified **12 key messages from guidelines** published by HAS, AFSSAPS, and the American Academy of Pediatrics, serve as a basis for **reminders**. PCT evaluated a computerized **tracking sheet** for professionals and patients inspired from Aquitaine physiotherapists network. GPs and physiotherapists, involved in the follow-up of bronchiolitis, checked the validity of **criteria** specific to their practice. Those criteria have been gathered in three categories: clinical and anamnesis (14 criteria), therapeutic purposes (2) and therapeutic strategy (7). **Colored alerts** have been automatically generated for improving risk factors for severe bronchiolitis. Two **family information documents** have been given during a specific patient information. Six PCT tested the validity and the usability of this toolkit during the follow-up.

**Results and discussion:** The toolkit has been assessed in practice despite the low prevalence of bronchiolitis during the last winter. Only GPs and physiotherapists completed 31 consultations concerning 15 infants. We observed a threshold in January (23 cases), no fever (22), no auscultation (12), SaO<sub>2</sub> completed (17). Concerning the 14 lower airway congestion cases, 12 cases required physiotherapists and family education. About prescriptions outside guidelines, antibiotics are used for 4 infants, corticoids for 2 and bronchodilators for 2. Reminders are validated and the prototype has a good acceptability. Only 2 criteria have been changed: bronchiolitis definition and intake fluids. It would be necessary to integrate this toolkit into healthcare management systems.