

- Study on Dog Bite Severity and Sequelae

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General

Identification

Detailed name Study on Dog Bite Severity and Sequelae

CNIL registration number,
number and date of CPP
agreement, AFSSAPS (French
Health Products Safety Agency)
authorisation 909056V1

General Aspects

Medical area Emergency medicine
Traumatology

Pathology (details) Prevention

Health determinants Lifestyle and behavior
Social and psychosocial factors

Keywords dog bites, trauma injuries, severity, sequelae,
hospital emergencies

Scientific investigator(s) (Contact)

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Unit DMCT-Unité traumatismes

Organization Institut de Veille Sanitaire

Name of the director Pédrono

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|--------------|--|
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| Unit | DMCT-Unité traumatismes |
| Organization | Institut de Veille Sanitaire |

Collaborations

Funding

| | |
|----------------|--------|
| Funding status | Public |
|----------------|--------|

| | |
|---------|------|
| Details | InVS |
|---------|------|

Governance of the database

| | |
|---|-------------------------------------|
| Sponsor(s) or organisation(s) responsible | Institut de Veille Sanitaire (InVS) |
|---|-------------------------------------|

| | |
|---------------------|--------|
| Organisation status | Public |
|---------------------|--------|

Additional contact

Main features

Type of database

| | |
|------------------|-----------------|
| Type of database | Study databases |
|------------------|-----------------|

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|---------------------------|--|
| Study databases (details) | Not-repeated cross-sectional studies (except case control studies) |
|---------------------------|--|

| | |
|--|---|
| Database recruitment is carried out by an intermediary | A selection of health institutions and services |
|--|---|

| | |
|--|----|
| Database recruitment is carried out as part of an interventional study | No |
|--|----|

| | |
|--|---|
| Additional information regarding sample selection. | All persons admitted to the aforementioned hospital emergency departments for dog bites between May 2009 and June 2010. |
|--|---|

Database objective

| | |
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| Main objective | The aim of the severity study is to provide an epidemiological description of bites, bitten individuals and the dog that bit them; to determine |
|----------------|---|

dog bite severity factors from data collected at the emergency departments (victim age and gender, dog characteristics, connection between victim and dog, etc.); and data collected on the development and impact of the bite at one month. The study may also help chart aggression in dogs who bite, describe encountered behaviour sequences and to establish a bite risk level. Finally, the sequelae study may help describe sequelae number and type, as well as disabilities caused by dog bites, 16 months after the incident.

Inclusion criteria

All patients treated in emergency departments or by SAMU/SMUR (emergency medical services) in participating hospitals are included in the severity study; following the dog bite or for initial treatment, regardless of the age and type of bite (attack, work-related accident, etc.), or whether the skin is broken or not. All patients that agreed to participate in the in first study on dog bite severity factors are included in the sequelae study. Patients that did not give signed consent for the first study will not be included.

Population type

Age

Newborns (birth to 28 days)
 Infant (28 days to 2 years)
 Early childhood (2 to 5 years)
 Childhood (6 to 13 years)
 Adolescence (13 to 18 years)
 Adulthood (19 to 24 years)
 Adulthood (25 to 44 years)
 Adulthood (45 to 64 years)
 Elderly (65 to 79 years)
 Great age (80 years and more)

Population covered

Sick population

Gender

Male
 Woman

Geography area

National

Detail of the geography area

Collection participants; Annecy Hospital Centre (HC), Bétune HC. Blaye HC. Fontainebleau HC, Limoges University Hospital Centre (UHC), Le Havre hospital group, Timone hospital in Marseilles, Verdun HC.

Data collection

Dates

| | |
|--|---------|
| Date of first collection (YYYY or MM/YYYY) | 05/2009 |
|--|---------|

| | |
|---|---------|
| Date of last collection (YYYY or MM/YYYY) | 12/2011 |
|---|---------|

Size of the database

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|--|-------------------|
| Size of the database (number of individuals) | < 500 individuals |
|--|-------------------|

| | |
|--------------------------------------|--|
| Details of the number of individuals | 485 patients in the severity survey and 298 patients in the sequelae survey. |
|--------------------------------------|--|

Data

| | |
|-------------------|---------------------------|
| Database activity | Data collection completed |
|-------------------|---------------------------|

| | |
|------------------------|--|
| Type of data collected | Clinical data Declarative data Administrative data |
|------------------------|--|

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|------------------------|--|
| Clinical data (detail) | Direct physical measures Medical registration |
|------------------------|--|

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|------------------------------------|---------------------------------------|
| Details of collected clinical data | Assessment of bite(s) by a clinician. |
|------------------------------------|---------------------------------------|

| | |
|---------------------------|---|
| Declarative data (detail) | Paper self-questionnaire Phone interview |
|---------------------------|---|

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|---------------------------------------|--|
| Details of collected declarative data | Questionnaire conducted by emergency physician, questionnaire conducted by behavioural veterinarian over the phone or in writing at 16 months. |
|---------------------------------------|--|

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|------------------------------|---|
| Administrative data (detail) | Age, sex, socio-professional categories, residence postal code. |
|------------------------------|---|

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|-----------------------|----|
| Presence of a biobank | No |
|-----------------------|----|

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|---------------------------|--|
| Health parameters studied | Health event/morbidity Health care consumption and services Others |
|---------------------------|--|

| | |
|---------------------------|-----------------|
| Care consumption (detail) | Hospitalization |
|---------------------------|-----------------|

| | |
|----------------|---|
| Other (detail) | Assessment of victim disability and sequelae caused by dog bites. |
|----------------|---|

Procedures

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|------------------------|--|
| Data collection method | Collection is carried out across several |
|------------------------|--|

questionnaires: emergency questionnaire completed by physicians on the day of treatment for the bite, veterinary questionnaire completed by telephone interview in the month after the bite; 1-month follow-up questionnaire completed by the emergency physician by telephone interview; sequelae self-assessment questionnaire completed by the patient at 16 months or by telephone interview with a research manager.

Participant monitoring

Yes

Details on monitoring of participants

Follow-up for Severity Survey participants who agreed to be contacted again for the Sequelae Survey.

Links to administrative sources

No

Promotion and access

Promotion

Link to the document

[nouveau document microsoft word \(2\).docx](#)

Access

Terms of data access (charter for data provision, format of data, availability delay)

Study report available on InVS website:
<http://www.invs.sante.fr/Dossiers-thematiques/Maladies-chroniques-et-traumatismes/Traumatismes/Enquetes-Systemes-de-surveillance/Enquetes-thematiques/Enquete-sur-les-facteurs-de-gravite-des-morsures-de-chien>
Request to the scientist in charge of the study or website request, according to current InVS terms.