Clinical bulletin: Feasibility study on the measurement of symptoms for main allergenic pollen
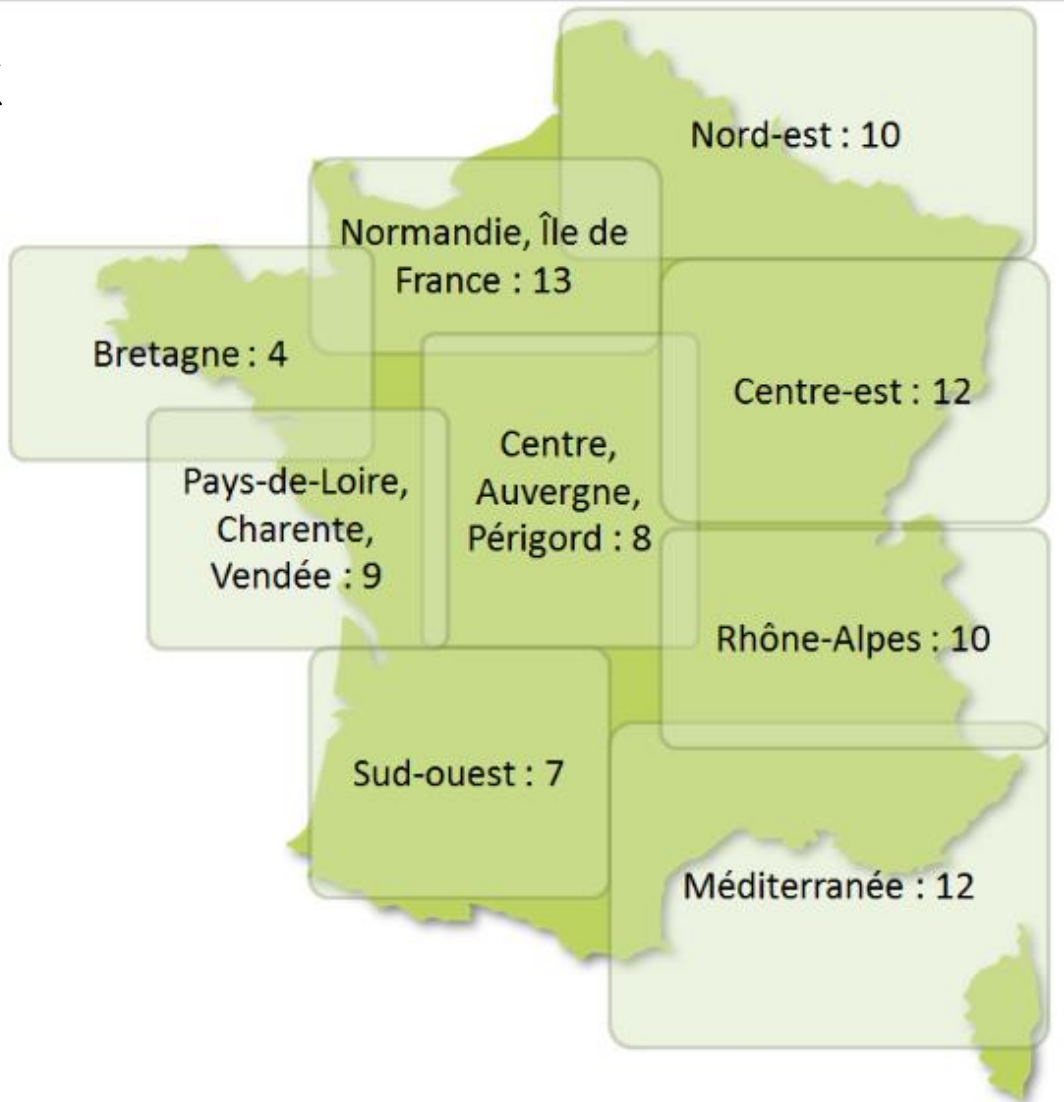
Charlotte Sindt, Gilles Oliver, Michel Thibaudon

Réseau National de Surveillance Aérobiologique (RNSA), Brussieu, France

RNSA

RÉSEAU NATIONAL DE SURVEILLANCE AÉROBIOLOGIQUE

Clinical Network

- Network of more than 80 allergists in France
- Since 2006

Nord-est : 10

Normandie, Île de France : 13

Bretagne : 4

Centre-est : 12

Pays-de-Loire, Charente, Vendée : 9

Centre, Auvergne, Périgord : 8

Rhône-Alpes : 10

Sud-ouest : 7

Méditerranée : 12

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Clinical report

This report is send by e-mail every week to allergist working with RNSA to collect clinical data.

Clinical index

	Symptom Gravity	0 Null	1 Weak	2 Mean	3 Strong
x1	Conjunctivitis	○	○	●	○
x2	Rhinitis	○	○	○	●
x1	Cough	○	●	○	○
x1	Asthma	○	○	●	○
x1	Cutaneous signs or other	●	○	○	○

Example for an allergist:

« Moderate» Cunjonctivitis   = **2 x 1** = **2**

« Strong » Rhinitis   = **3 x 2** = **6**

« Weak » Cough   = **1 x 1** = **1**   **Clinical Index → 11**

«Moderate» Asthma   = **2 x 1** = **2**

« Null » Cutaneous signs   = **0 x 1** = **0**

Clinical data

Symptom Gravity	Null (0)	Weak (1)	Mean (2)	Strong (3)
Conjunctivitis	○	○	●	○
Rhinitis	○	○	○	●
Cough	○	●	○	○
Asthma	○	○	●	○
Cutaneous signs or other	●	○	○	○

For this study, we work on severity of each symptoms and the relation with some pollens.

Results

- Clinical data from Lyon allergists (regular answer)

- For grass and birch pollens

- For 4 years

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Grass pollen

On 4 years, 83 weeks with an average of 198 pollens.

Severity	Number of weeks			
	Low	Moderate	Strong	Total
Conjunctivitis	32	35	6	73
Rhinitis	30	45	3	78
Cough	57	13	3	73
Asthma	50	6	3	59
Cutaneous signs or other	20	2	0	22

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Birch pollen

On 4 years, 33 weeks with an average of 137 birch pollens.

Severity	Number of weeks			
	Low	Moderate	Strong	Total
Conjunctivitis	14	16	2	32
Rhinitis	9	19	4	32
Cough	22	5	1	28
Asthma	20	3	1	24
Cutaneous signs or other	7	1	0	8

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Conclusion

- Clinical data of french allergist network is useful for quantitatively information.

- Clinical data of french allergist network is also useful for qualitatively information.

Thank you for your attention