



Curbing methicillin-resistant *Staphylococcus aureus* in 38 French hospitals through a 15-year institutional control program

Submitted by Emmanuel Lemoine on Thu, 10/16/2014 - 14:03

Titre	Curbing methicillin-resistant <i>Staphylococcus aureus</i> in 38 French hospitals through a 15-year institutional control program
Type de publication	Article de revue
Auteur	Jarlier, Vincent [1], Trystram, David [2], Brun-Buisson, Christian [3], Fournier, Sandra [4], Carbonne Berger, Anne [5], Marty, Laurence [6], Andreumont, Antoine [7], Arlet, Guillaume [8], Buu-Hoi, Annie [9], Carlet, Jean [10], Decré, Dominique [11], Gottot, Serge [12], Gutmann, Laurent [13], Joly-Guillou, Marie-Laure [14], Legrand, Erick [15], Nicolas-Chanoine, Marie-Hélène [16], Soussy, Claude-James [17], Wolf, Michel [18], Lucet, Jean-Christophe [19], Aggoune, Michelle [20], Brücker, Gilles [21], Régnier, Bernard [22], de France, Collégiale de Bactér [23]
Editeur	American Medical Association
Type	Article scientifique dans une revue à comité de lecture
Année	2010
Langue	Anglais
Date	2010/03/22
Numéro	6
Pagination	552 - 559
Volume	170
Titre de la revue	Archives of Internal Medicine
ISSN	1538-3679
Mots-clés	France [24], Hospitals, Teaching [25], Humans [26], Infection Control [27], Methicillin-Resistant <i>Staphylococcus aureus</i> [28], Staphylococcal Infections [29]

Résumé en anglais

BACKGROUND: The Assistance Publique-Hôpitaux de Paris (AP-HP) institution administers 38 teaching hospitals (23 acute care and 15 rehabilitation and long-term care hospitals; total, 23 000 beds) scattered across Paris and surrounding suburbs in France. In the late 1980s, the proportion of methicillin resistance among clinical strains of *Staphylococcus aureus* (MRSA) reached approximately 40% at AP-HP. **METHODS:** A program aimed at curbing the MRSA burden was launched in 1993, based on passive and active surveillance, barrier precautions, training, and feedback. This program, supported by the strong commitment of the institution, was reinforced in 2001 by a campaign promoting the use of alcohol-based hand-rub solutions. An observational study on MRSA rate was prospectively carried out from 1993 onwards. **RESULTS:** There was a significant progressive decrease in MRSA burden (-35%) from 1993 to 2007, whether recorded as the proportion (expressed as percentage) of MRSA among *S aureus* strains (41.0% down to 26.6% overall; 45.3% to 24.2% in blood cultures) or incidence of MRSA cases (0.86 down to 0.56 per 1000 hospital days). The MRSA burden decreased more markedly in intensive care units (-59%) than in surgical (-44%) and medical (-32%) wards. The use of ABHR solutions (in liters per 1000 hospital days) increased steadily from 2 L to 21 L (to 26 L in acute care hospitals and to 10 L in rehabilitation and long-term care hospitals) following the campaign. **CONCLUSION:** A sustained reduction of MRSA burden can be obtained at the scale of a large hospital institution with high endemic MRSA rates, providing that an intensive program is maintained for a long period.

URL de la notice

<http://okina.univ-angers.fr/publications/ua4918> [30]

DOI

10.1001/archinternmed.2010.32 [31]

Lien vers le document

<http://dx.doi.org/10.1001/archinternmed.2010.32> [31]

Liens

- [1] [http://okina.univ-angers.fr/publications?f\[author\]=8007](http://okina.univ-angers.fr/publications?f[author]=8007)
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=8008](http://okina.univ-angers.fr/publications?f[author]=8008)
- [3] [http://okina.univ-angers.fr/publications?f\[author\]=5544](http://okina.univ-angers.fr/publications?f[author]=5544)
- [4] [http://okina.univ-angers.fr/publications?f\[author\]=8009](http://okina.univ-angers.fr/publications?f[author]=8009)
- [5] [http://okina.univ-angers.fr/publications?f\[author\]=8010](http://okina.univ-angers.fr/publications?f[author]=8010)
- [6] [http://okina.univ-angers.fr/publications?f\[author\]=8011](http://okina.univ-angers.fr/publications?f[author]=8011)
- [7] [http://okina.univ-angers.fr/publications?f\[author\]=8012](http://okina.univ-angers.fr/publications?f[author]=8012)
- [8] [http://okina.univ-angers.fr/publications?f\[author\]=8013](http://okina.univ-angers.fr/publications?f[author]=8013)
- [9] [http://okina.univ-angers.fr/publications?f\[author\]=8014](http://okina.univ-angers.fr/publications?f[author]=8014)
- [10] [http://okina.univ-angers.fr/publications?f\[author\]=8015](http://okina.univ-angers.fr/publications?f[author]=8015)
- [11] [http://okina.univ-angers.fr/publications?f\[author\]=8016](http://okina.univ-angers.fr/publications?f[author]=8016)
- [12] [http://okina.univ-angers.fr/publications?f\[author\]=8017](http://okina.univ-angers.fr/publications?f[author]=8017)
- [13] [http://okina.univ-angers.fr/publications?f\[author\]=8018](http://okina.univ-angers.fr/publications?f[author]=8018)
- [14] <http://okina.univ-angers.fr/m.joly/publications>
- [15] <http://okina.univ-angers.fr/e.legrand/publications>
- [16] [http://okina.univ-angers.fr/publications?f\[author\]=8020](http://okina.univ-angers.fr/publications?f[author]=8020)
- [17] [http://okina.univ-angers.fr/publications?f\[author\]=8021](http://okina.univ-angers.fr/publications?f[author]=8021)
- [18] [http://okina.univ-angers.fr/publications?f\[author\]=8022](http://okina.univ-angers.fr/publications?f[author]=8022)
- [19] [http://okina.univ-angers.fr/publications?f\[author\]=8023](http://okina.univ-angers.fr/publications?f[author]=8023)
- [20] [http://okina.univ-angers.fr/publications?f\[author\]=8024](http://okina.univ-angers.fr/publications?f[author]=8024)
- [21] [http://okina.univ-angers.fr/publications?f\[author\]=8025](http://okina.univ-angers.fr/publications?f[author]=8025)
- [22] [http://okina.univ-angers.fr/publications?f\[author\]=8026](http://okina.univ-angers.fr/publications?f[author]=8026)
- [23] [http://okina.univ-angers.fr/publications?f\[author\]=8027](http://okina.univ-angers.fr/publications?f[author]=8027)

- [24] [http://okina.univ-angers.fr/publications?f\[keyword\]=1334](http://okina.univ-angers.fr/publications?f[keyword]=1334)
- [25] [http://okina.univ-angers.fr/publications?f\[keyword\]=9323](http://okina.univ-angers.fr/publications?f[keyword]=9323)
- [26] [http://okina.univ-angers.fr/publications?f\[keyword\]=991](http://okina.univ-angers.fr/publications?f[keyword]=991)
- [27] [http://okina.univ-angers.fr/publications?f\[keyword\]=9289](http://okina.univ-angers.fr/publications?f[keyword]=9289)
- [28] [http://okina.univ-angers.fr/publications?f\[keyword\]=9324](http://okina.univ-angers.fr/publications?f[keyword]=9324)
- [29] [http://okina.univ-angers.fr/publications?f\[keyword\]=9325](http://okina.univ-angers.fr/publications?f[keyword]=9325)
- [30] <http://okina.univ-angers.fr/publications/ua4918>
- [31] <http://dx.doi.org/10.1001/archinternmed.2010.32>

Publié sur *Okina* (<http://okina.univ-angers.fr>)