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Information on smoking in preoperative leaflets for patients in France

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No conflicts of interest for this presentation

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3 times more complications

French Conference of Experts 2005
Perioperative smoking control

■ PROMOTERS

- Association Française de Chirurgie - AFC
- Société Française d'Anesthésie et de Réanimation - SFAR
- Office Français de prévention du Tabagisme - OFT

■ COPROMOTERS

- Association Française d'Urologie AFU
- Société Française de Chirurgie Orthopédique et traumatologique SOFCOT
- Collège National des Gynécologues Obstétriciens Français CNGOF
- Société de Pneumologie de Langue Française SPLF
- Société française de Chirurgie Thoracique et Cardiovasculaire SFCTC
- Société française de Cardiologie SFC
- Société française de Santé Publique SFSP
- Société française de Tabacologie SFT
- Réseau Français Hôpital sans Tabac RHST
- Réseau Européen Hôpital sans Tabac ENSH

2005 French experts consensus

1.4 What are the risks of surgical complications among smokers (scars, releasing of joining and by-passes, delay of bone consolidation...)?

- The increased risk of surgical complications due to peri-operative smoking is mainly related to the harmful effects on the microcirculation [E].
 - This increased risk is confirmed by many various studies and relates to all tissues crossed by surgery, from the skin to the bone:
 - Complications of scarring after knee surgery (RR of 2.4) [D],
 - Infectious complications of the scar (best estimate 12% vs 2% p< 0,05) [B],
 - Poor closing of wound at the scraps/site receiver interface in plastic surgery (27% vs 12%) [D],
 - Risk of disembowel after laparotomy (RR of 3.93) [D],
 - Sternum and mediastinal Infection after thoracic surgery (RR of 3) [D],
 - Releasing of digestive joining (RR of 3.18) and vascular (RR of 3) [D],
 - Increase risk of thrombosis of vascular by pass (RR of 3.09) [A],
 - Increase delay of bone consolidation (RR 2.7 increasing to a RR of 8.1 for the pseudarthrosis risk) [D].
- The total complications of the surgical site is reported in 3 studies 31% vs 5%, 48% vs 15% and 39% vs 25% among smokers compared to non smokers [D].

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Recommendations ratified following a public debate on the 23rd of September, 2005 during the SFAR congress. Final approval on the 17th of October 2005. Thanks to Ann Riordan from Irish smoke free hospital network for the support for translation.



International Network of Health Promoting Hospitals & Health Services



Background

Six years ago, the French conference of experts on Perioperative smoking showed that

:

- **smokers experienced 3 times more scar or general complications, and**
- **stop 6-8 weeks before surgery until the end of the healing, removed the excess risk.**

→ We investigated how this information was delivered to patients by factsheet documents before elective surgery.

Method

- By tapping on the search engine Google France "information"&"patient"&"chirurgie," the first 100 patient factsheets before surgical intervention were recorded and analysed.

The screenshot shows a Google search results page in French. The search query is "information patients chirurgie". The page displays several search results, including articles from university websites and information from a center for arthroplasty. The search results are as follows:

- Articles universitaires correspondant aux termes information patients chirurgie**
 - ... dacryocystorhinostomy: surgical success, patient ... - Tarbet - Cité 202 fois
 - Chirurgie augmentée: un cas de réalité augmentée; ... - Dubois - Cité 26 fois
 - ... of gallbladder carcinoma based on information ... - KOKUDO - Cité 58 fois
- S'informer en chirurgie digestive et endocrinienne**
 - 20 mars 2009 ... La chirurgie digestive et endocrinienne est un domaine peu connu des patients, qui ne s'y intéressent souvent que dans l'urgence d'une ...
 - www.chirurgien-digestif.fr/ - En cache - Pages similaires
- CENTRE DE CHIRURGIE DE L'ARTHROSE » Informations Patients ...**
 - Le réglage de la longueur est une chose difficile dans une arthroplastie de hanche et reste un objectif primordial pour le chirurgien et le patient. ...
 - www.chirurgie-arthrose.com/information-patients/...chirurgicales/id-1-prothese-de-hanche/ - En cache - Pages similaires
- CENTRE DE CHIRURGIE DE L'ARTHROSE » Informations Patients ...**
 - Vous êtes ici : Accueil » Informations Patients » Chirurgie mini-invasive ...
 - www.chirurgie-arthrose.com/information-patients/...chirurgicales/id-6-chirurgie-mini-invasive/ - En cache - Pages similaires
 - Plus de résultats de chirurgie-arthrose.com

On the left side of the screenshot, there is a sidebar with navigation options: Tout, Images, Vidéos, Actualités, Shopping, Plus. Below this, there are sections for "Avranches" (Changez le lieu) and "Le Web" (Pages en français, Pays: France, Pages en langue étrangère traduites). At the bottom, it says "Tous les résultats" and "Roue magique".

The 100 factsheets analysed (2)

- **The 100 factsheets concerned 13 surgical subspecialties.**
- **Only 2 subspecialties had more than 10 factsheets :**
 - ✓ **plastic surgery and**
 - ✓ **Orthopedic surgery.**

Method analysis of factsheets

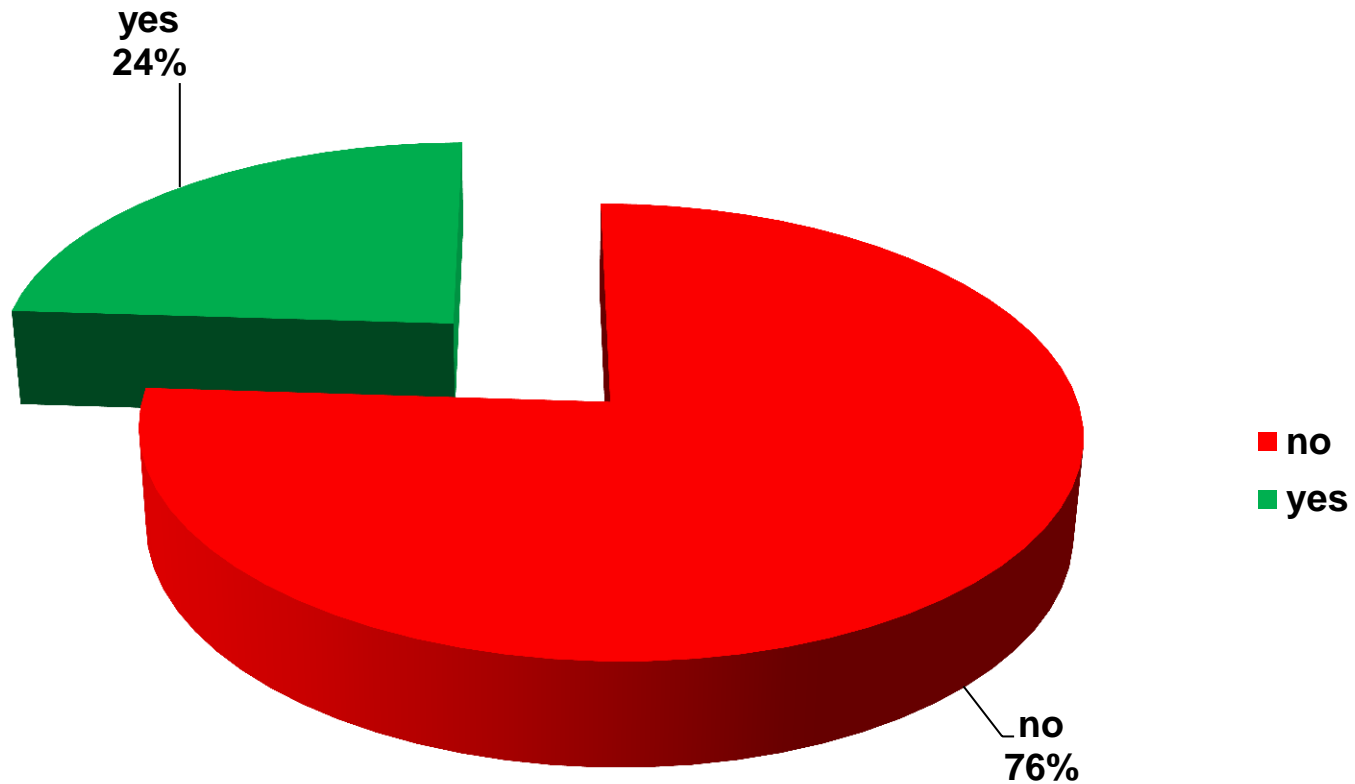
The factsheets were analysed on 4 themes concerning tobacco :

1. Word “tobacco” or equivalent,
2. Deleterious effects due to tobacco on the forcoming surgical procedure,
3. Recommendation to stop,
4. Information and counselling on smoking cessation

==Each theme was scored from 0 to 5==

Word « tobacco » or « smoking » or any allusion to tobacco in the document (n=100)

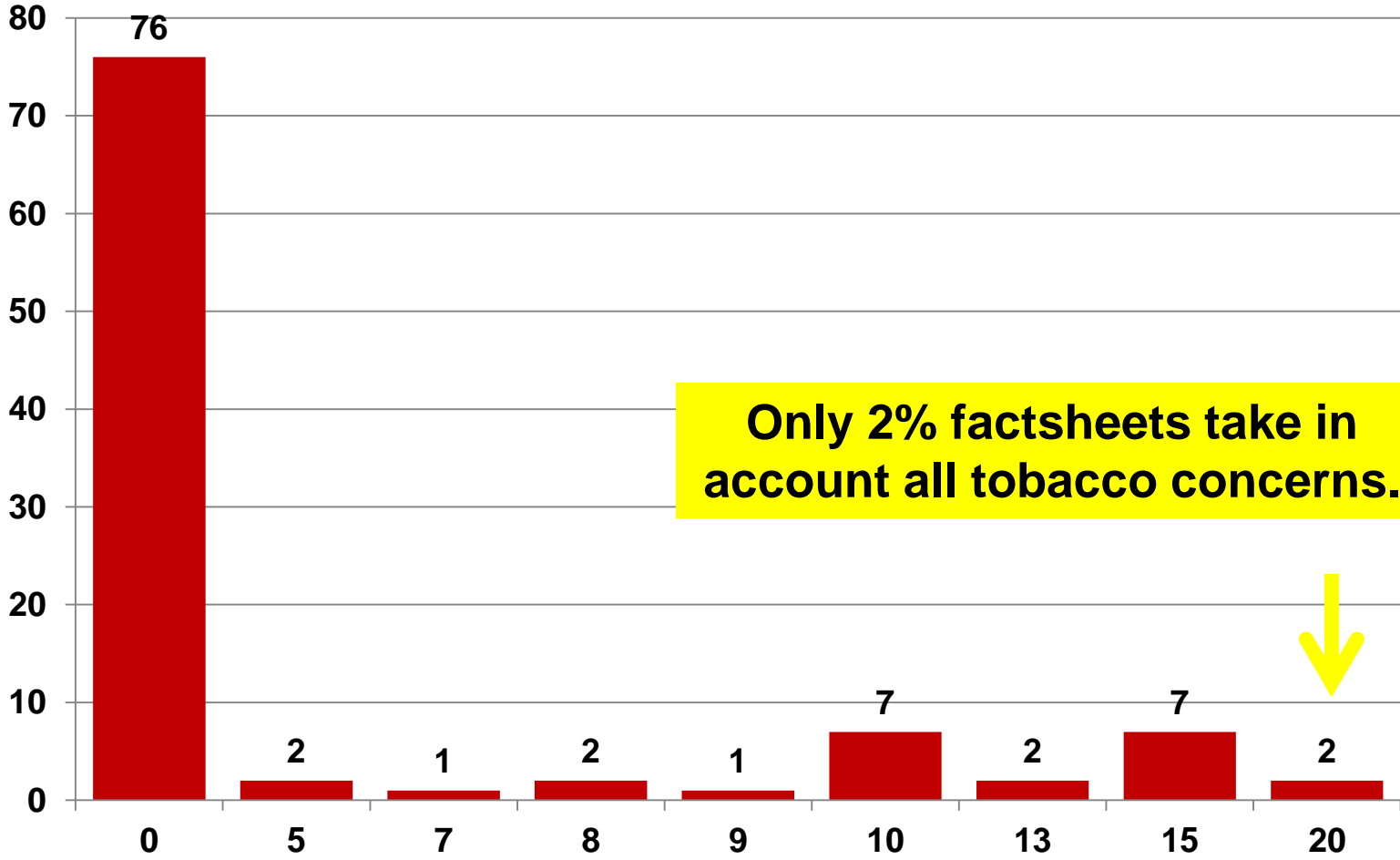
word tobacco or smoking on the document



There is not a single word about tobacco in 76% of factsheets!

Score of elective surgery factsheets (0-20)

Score of factsheets (0-20)

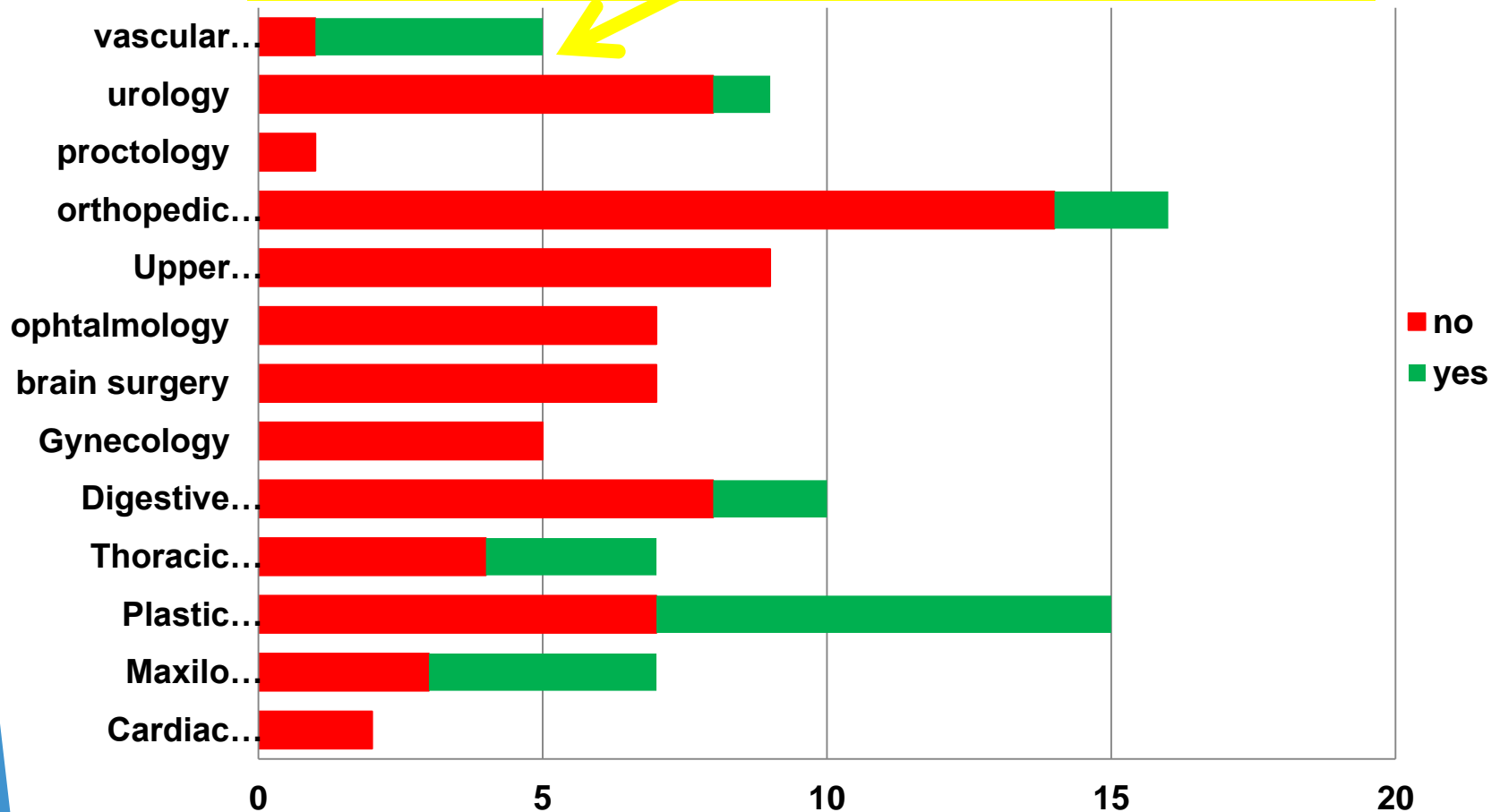


Only 2% factsheets take in account all tobacco concerns.

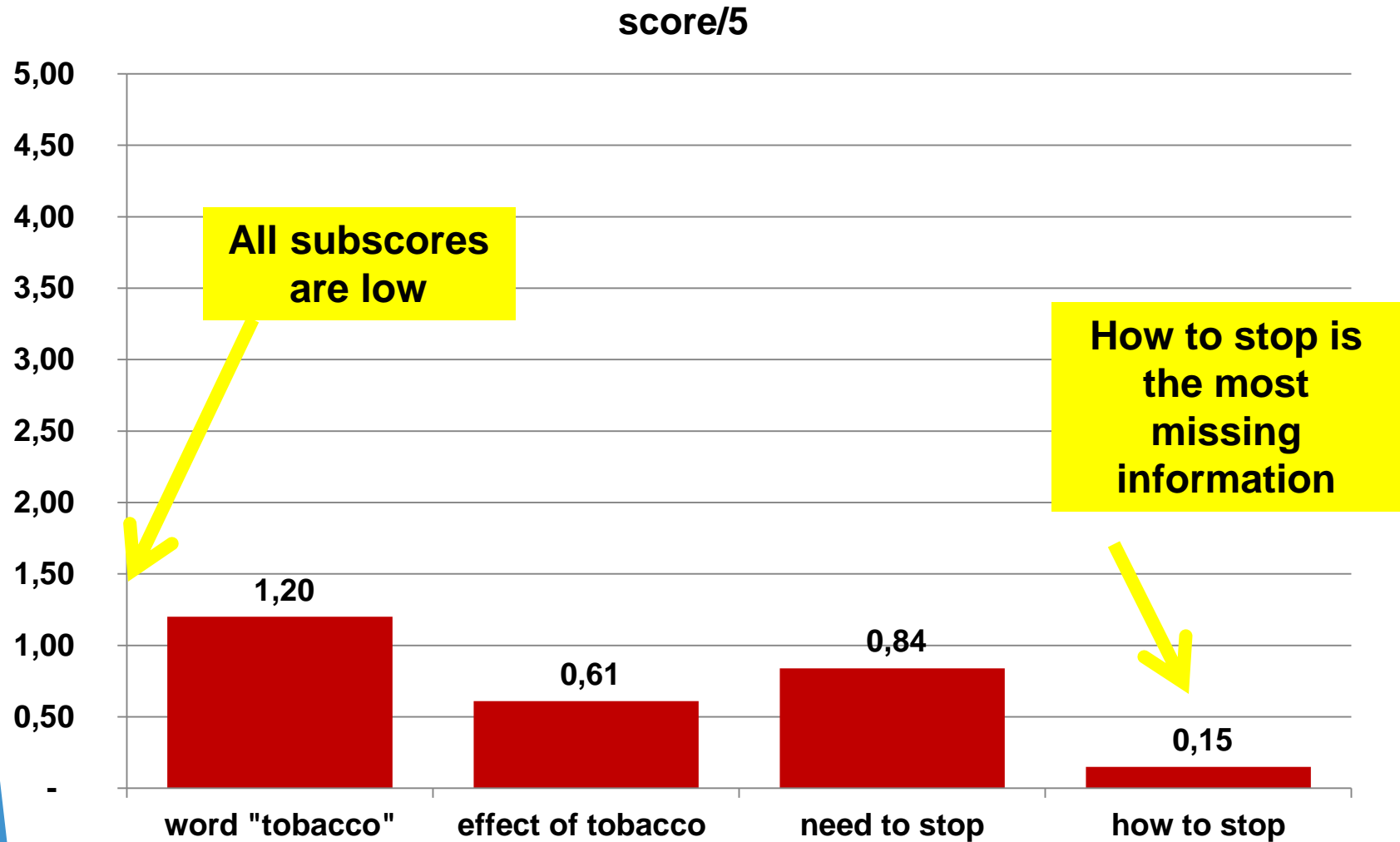


Notice about tobacco in factsheets according to surgical subspecialty

« Vascular surgery » say more on tobacco than the others subspecialties



4 sub-scores of factsheet



Conclusion

- This work shows a **dramatic gap in information** on smoking in the factsheets for information of patient before elective surgery in France.
- Actions had to be proposed to correct the lake of information on tobacco...



Proposition

- We propose to all editor of leaflets to had this sentence:

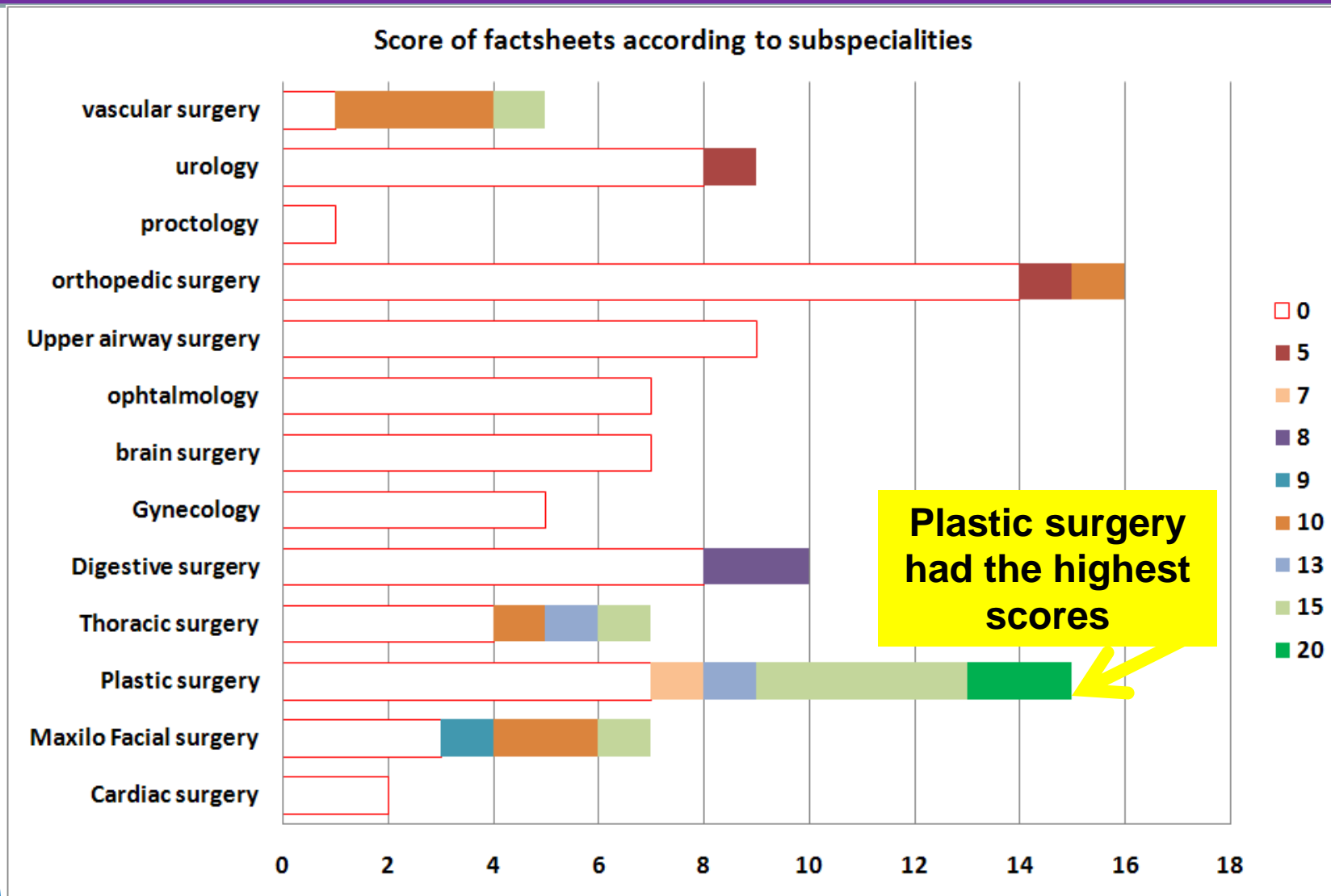
"Smoking increases the risk of surgical complications of any surgery.

Stop smoking 6-8 weeks before intervention removes this excess risk.

If you smoke, talk to your doctor, your surgeon and your anesthesiologist or call the quitline Tabac Info Service (3989) to help you reduce risk and put all chances on your side. "



Score of factsheet according to the issuer



The 100 factsheets analysed (1)

The 100 leaflets analysed come from 32 transmitters:

- 3/32 → had 10 or more factsheets analysed
- 5/32 had from 5 to 9 factsheets analysed
- 4/32 had from 2 to 4 factsheets analysed
- 20/32 had only one factsheet analysed