

OKUCIG#ŽQITCRJKSWG#
WPG#ŽVJQFG#RQWT#GRTŽUGPVGTF#G#
HCdQP#RWU#JCVKJCKCPVG#
NQHIG#F#G#JQKPU

4 2 () 6 0-2 * # 1 &) 6 8 # 3 6 7 # NCEG # 7 VICUDQWTI

' QPIT³/₄U#FGU#B 6 7

% VGN~~G~~TU### ŽVJQFG#F QDUGTXCVQP#GV

O GUNWIGU#FGU#PŽICWŽU#F#G#JCPVŽ

ek#QEVQDIG#fnnl





PVIQFWEVQ P 3 DIGEVKU#e f :

■ 6 GRTŽUGPVCVQ P#ECTVQITCRJISWG#FG#
RJŽPQO 3/4PGU#EQPVWU#RQUG#G#RTQDN 4/0 G#1

□) EJGNQ P#ŽQITCRJISWG#F' CPCNUG

□ 1 QFG#FG#F'UETŽVKUCVQ P

■ 4 CT#GZ##GRTŽUGPVCVQ P#FG#NQHIG#FG#JQKPU



PVIQFWEVQPO 3 DIGEVIU#f o f :

■) ZCO GP#C'WG'PV#FG#C#F'KUVIOWVQ#P#

¿ 1/2# QFG#FG#F'KUEIŽVUCVQ#CFŽSWCV

■ ' JQZ#F'W#F'ŽEQWRCIG#GTIKQTKNGUVO QKPU#
CKUŽ#u

□) P#R'CTV#WNGT#NŽEJGQ#P#KPHIC FŽR'CTVGO GPVCI

□ (ŽEQWRCIGU#CFO K'KUVICV#U GVUCP'KCKIGU PQP#
UCV#U#CKUCPVU

¿ 1/2#OKUCIG#ŽQITCRJISWG

OKUCIG#ŽQITCRJISWG##



1 CVŽTIGNU 1 ŽVJQFGU#e α h :

■ OKUCIG# ŽQITCRJISWG#

≠ XCNWU#QDUG'IXŽG#GP#WP#RQPV#QW#WP#GTIKQKIG#FQPPŽ

¿ O Q [GPPG#RQPFŽTŽG#F'GU#XCNWU#QDUG'IXŽGU#CWZ#
CNGPVQWU#F'G#EG#RQPV#F'CPU#WP#C [QP#(>#R'ŽF'ŽH]

■ 9 PG#QPEVQ#JVCVMSWG# DRY GKJ JV /#GUV

WV#KŽG#RQWT#RQPFŽTGT#R >#GP#QPEVQ#PXGTUG#

F'G#C#F'KVCPEG <F >#PWO ŽICVWU#G#F'ŽPQO R'CVGWU

OKUCIG# ŽQITCRJISWG##

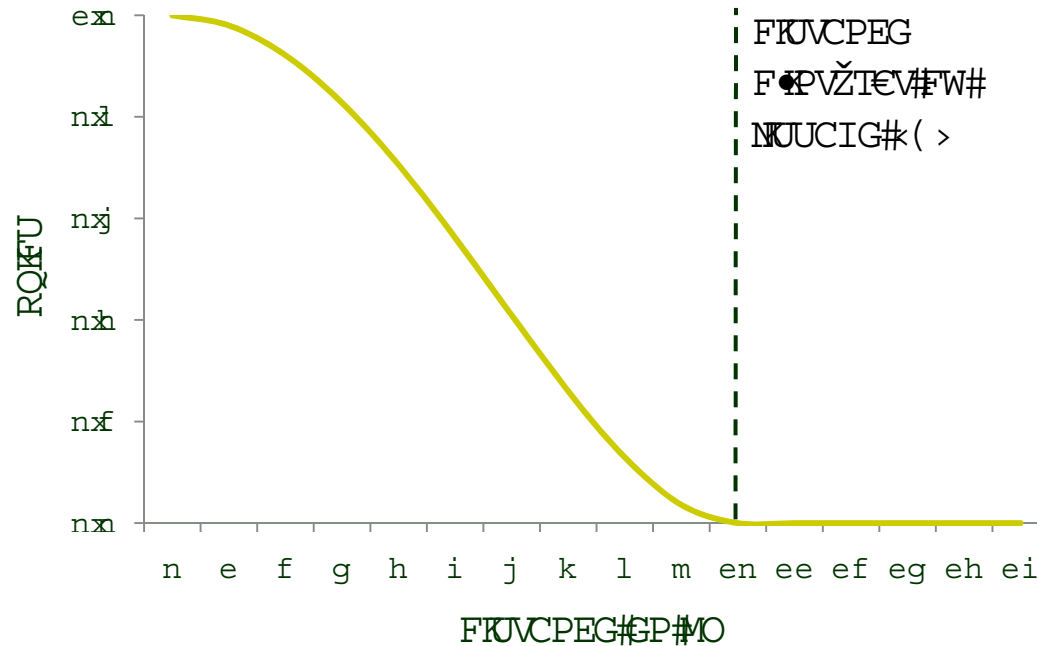


1 CVŽTIGU 1 ŽVQFGU#f α h :

4 QPFŽITCVQP#R > GP#QPEVQP#FG#C#FKVCPEG#F >
 FKVCPEG#F PVŽTEV#(# #n#MO

$$p = \left[1 - \left(\frac{d}{D} \right)^2 \right]^2$$

avec $d < D$



OKUCIG#ŽQITCRJISWG##

ek#QEVQDIG#fnnl

WPG#D ŽVQFG#RQWI#GRIŽUGPVT#G#CdQP#RIWU#JCVKCKCPVG#NQHIG#FG#JQPU



1 CVŽTIGNU 1 ŽVJQFGU#g h :

■ 3 HIG#FG#JQPU#

□ 2 WO ŽTCVGTI# #PDIG#FG#RTQHGUIQPPGNU#FG#JCPVŽ

□ (ŽPQO PCVGTI# #RQRWNCVQPU

■ 6 C [QP#FG#KUCIG#

□ mn^G RGIEGPVKG#FGU#FKUVCPEGU#RC'IEQW'WGU#RCT'
NGU#RCVGPVU#EQPUWNCVQOP #QW#NGU# ŽFGEKPU#XKKG>

□ 4 CT#GZ# ŽFGEKPU# ŽPŽTCNVGU##en#MO

■ (ŽPQO DIGO GPV## 7 #GV#EQUUO O CVQPU#FG#JQPU#ennkt# 7QWIEG## TECO # NUCEG

OKUCIG#ŽQITCRJISWG##



1 CVŽTKGN 1 ŽVQFGU#h h:

- 1 ŽVQFG#IGCVXGO GPVNDWTFG Ó# GWIG#GP
^ WXIG#u

- 4 TKG#GP#EQO RVG#FGU#ŽRCTVGO GPW# KIQRJGU

- 1 CPRWGT#WPG# CVKEG#G#KVCPEG#G
einn#einn

- (KEIŽVKCVP#

- 1 ŽVQFG#G#¥ .GPMU /<CPCNUG#G#C#XCTKPEG:

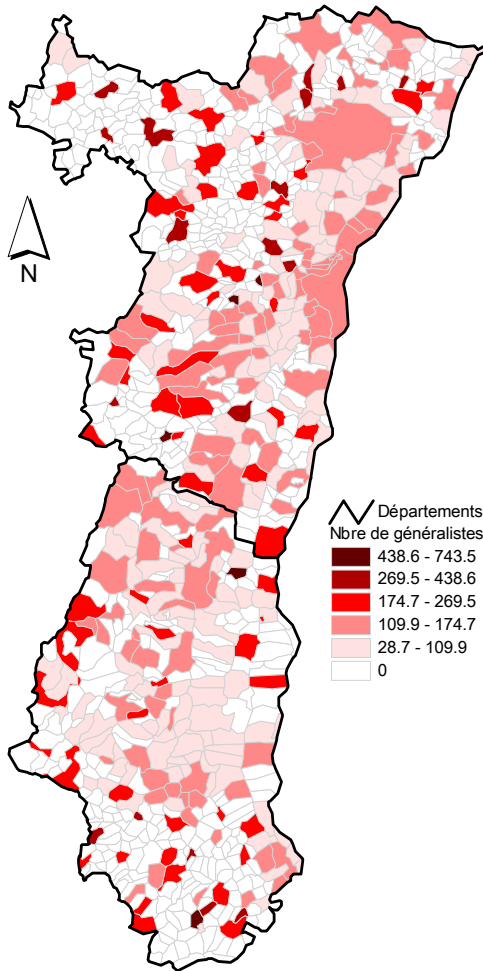
¿ 1/2# KIO KIG#C#XCTKPEG#PVIC ENCUUG#G# CZIO KIG#
C#XCTKPEG#PVGTENCUUG

OKUCIG#ŽQITCRJISWG##



6 ŽUWNCVU##F'G#PUKŽ#F'G#I ŽPŽTCNKVUGU

' CTVG#DIWVG#EQO O WPCMG

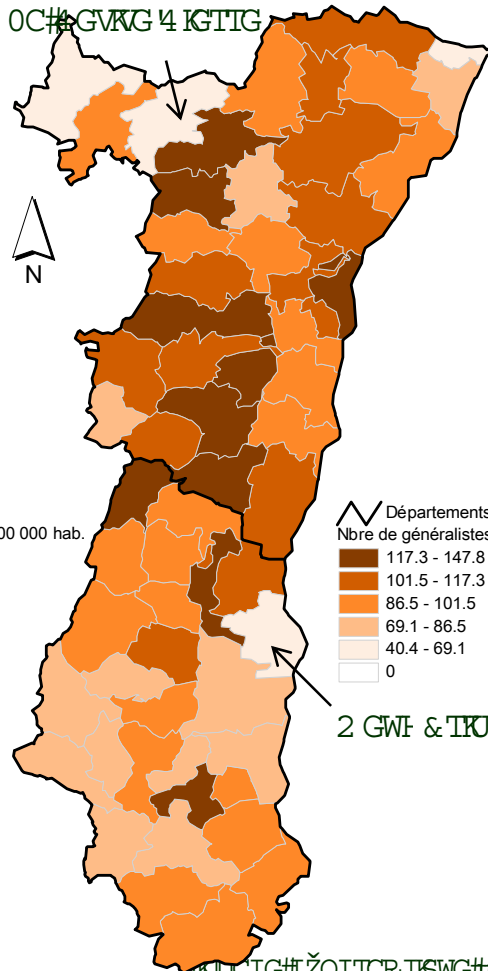


Départements
Nbre de généralistes lib. pour 100 000 hab.

438.6 - 743.5
269.5 - 438.6
174.7 - 269.5
109.9 - 174.7
28.7 - 109.9
0

ek#QEVQDIG#fnnl

' CTVG#DIWVG#ECPVQPCMG



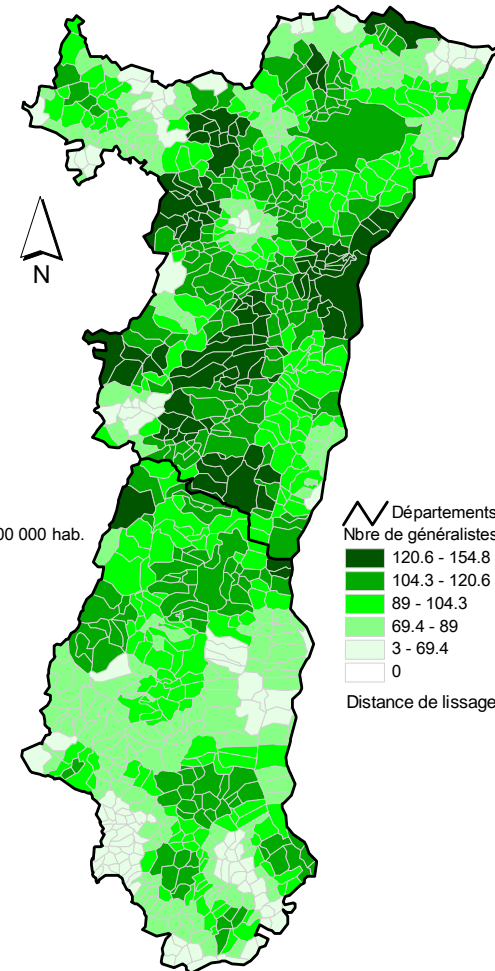
Départements
Nbre de généralistes lib. pour 100 000 hab.

117.3 - 147.8
101.5 - 117.3
86.5 - 101.5
69.1 - 86.5
40.4 - 69.1
0

2 GWI & TKUCEJ

WPG#D ŽVJQFG#RQWI#GRIŽUGPVGT#F'G#CdQP#RiWU#JCvKHCkCPCVG#NQHIG#F'G#JQIPU

' CTVG#NUŽG#EQO O WPCMG#en#MO >



Départements
Nbre de généralistes lib. pour 100 000 hab.

120.6 - 154.8
104.3 - 120.6
89 - 104.3
69.4 - 89
3 - 69.4
0

Distance de lissage = 10 km



(KJEWUUIQPα ' QPEWUIQP#e α h :

- 1 ŽVJQFG#CF#CRVŽG Ó#NCP#CNUG#FG#NQHIG#FG#JQPU
 - (ŽRCEGO GPV#FGU#RCV#GPV#GV# ŽFGERU#PG#JG#
 NO KGPV#RCU#CWZ#JGW#GU#TQP#VIGU#W#GT#IKQKIG#GVGPW
 - ' QPVQW#IPG#GU#RTQDN#O GU#RQUŽU#RCT#G#EJQKZ#FG#
 NŽEJG#QP#ŽQITCRJISWG#T#CPCNUG

■ %XCPVCIGU#

- 1 QPU#FG#KCTKCVQPU#DEC#GU#DIWUSWGU
 ; 1/2# CT#V#GU#RWU#KJ#IGU
- 1 K#G#GP#ŽX#FGPEG#FG#RJŽPQO 3/4#PGU#DECWZ

OKUCIG#ŽQITCRJISWG##



(KJEWUUIQPα ' QPEWUIQP#f α h :

■ 0KJ KGU#e α f :

□ (KJVCPEG#GWFNFKGPPG#¥ XQNE'QKJGCW / #u

-IPQIG#KGU#DCTIK4IGU#PC'WIGNGU#O CUUK#XQUIKGP >#GV#
C'IVK#K#KIGNGU

≠ FKJVCPEG#IŽGNGO GPV#R'CTEQWIWG#IŽUGCW#IQWVIGT>

□ 2 QVIQP#FG#FKJVCPEG#RWU#TGN'V&G 1

VGO RU#FG#VICIGV#RWU#RGTV#PGPV#Ó#EGWG#ŽEJGNG#

O CKJ#RWU#K#K#K#Ó#ŽXCWGT#VICPURQIVU#GP†

EQO O WP>

OKUCIG#ŽQITCRJISWG##



(KJEWUUIQPα ' QPEWUIQP#gα h :

■ 0KJ GU#kE α f :

□ 6 C [QP#FG#NUUCIG#RCEVG#QTVGO GPVIG#ŽUWNCV#
QDVGPW#≈ ECICEV³/₄IG#JWDIGEV

□ 0KJUCIG#ŽQITCRJISWG≡ O Q [GPPG#QDIG#
Ó#E #FIO GPUKQPU#

¿ ½#JGU#WPVŽU I ŽQITCRJISWGU#JGU#RNWU#RGWRNŽGU#
QPV#WPG#PHWGPEG#RNWU#QTVG#JWI#GWI#XQKPCIG#
SWG#JGU#CWVIGU#FGPUKŽ# CT#GZ#7VICUDQWII :

0KJUCIG#ŽQITCRJISWG##



(KJEWUUIQPα ' QPEWUIQP#hαh :

■ 4 QUUI~~WZ~~Ž#FG#JWIO QPVGIT#EGU#f #JCPF#ECRU#h

□ 9 V~~W~~KVCVQP#FG#F#KVCPEGU#IQWV~~4~~IGU

□ 1 KG#GP#^ WXIG#F#WPG#GEJPKSWG#FG#0 C~~W~~CIG

■ 6 ŽCEVQPURQUK~~X~~GU#FGU#FŽEK'GWTU#k' + >

■ 6 ŽHŽTGPEGU##

□ 4J~~W~~RRG# , %8% + 2 3 2 *# ' CTQITCRJK#G#GUM0 CVQP#FG#FGPUKŽ ,#2 7)) #P°
,mlnf

□ .WNGP#B ,) 2 % - 7 -) *# (KJFIZV~~K~~CVQP#RQWI#C#E#CTQITCRJK#f7 KG#F#VGI#PGV#l

□ &)+9-2 #l t#4 9 1 % - 2 # (*#C#IGRIZUGPVCVQP#FGU#FQPPŽGU#HŽQITCRJKSWGUX#
4CTKU# # QNP#E G#ŽF#E#QNN# WIUWUX# nnn# #mf #Rt

OKUCIG#ŽQITCRJISWG##

ek#QEVQDIG#fnnl

WPG#0 ŽVJQFG#RQWI#IGRIZUGPVGIT#FG#CdQP#RiWU#JCVK~~K~~CPVG#Q~~H~~IG#FG#JQ~~P~~U