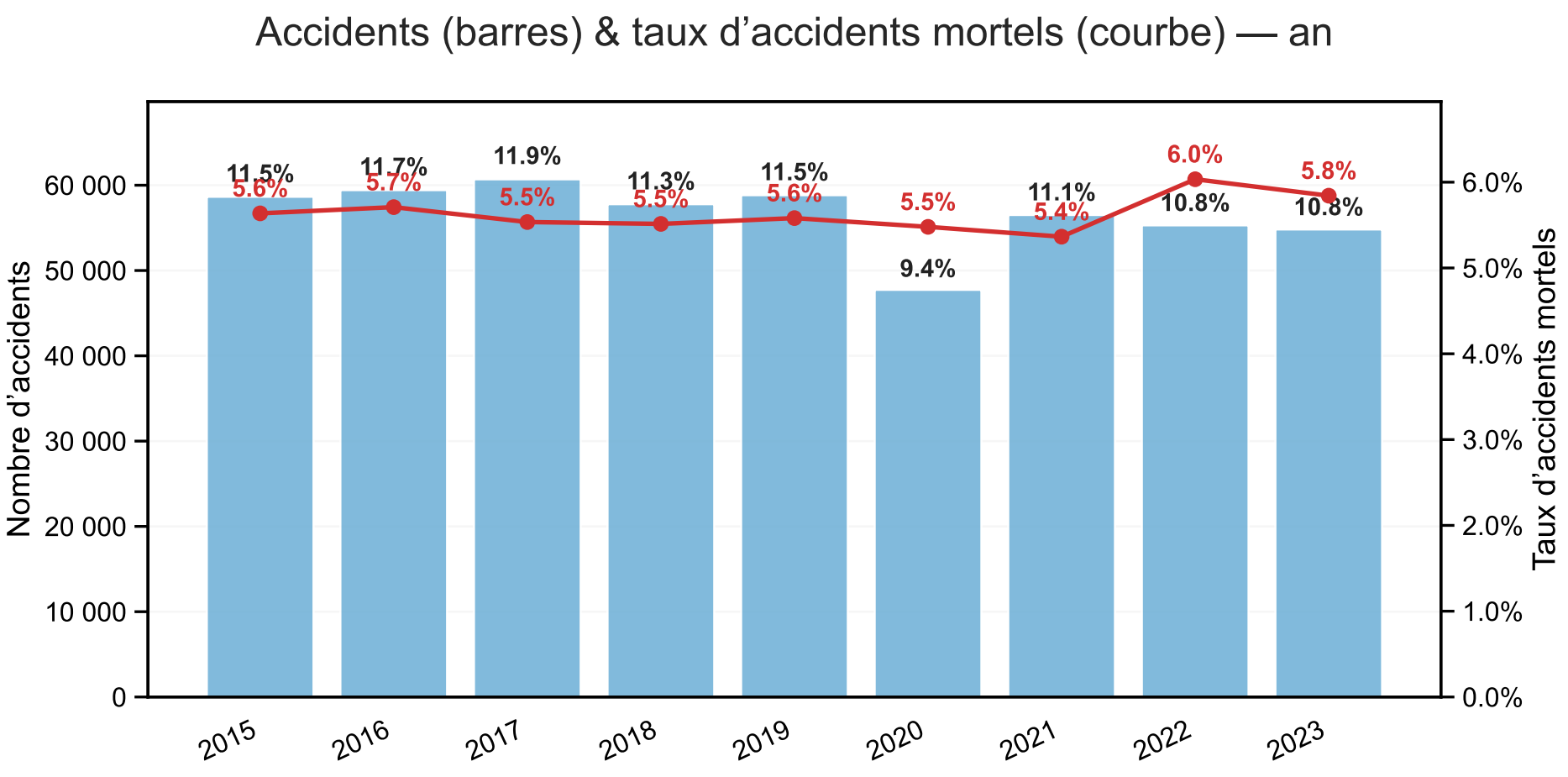
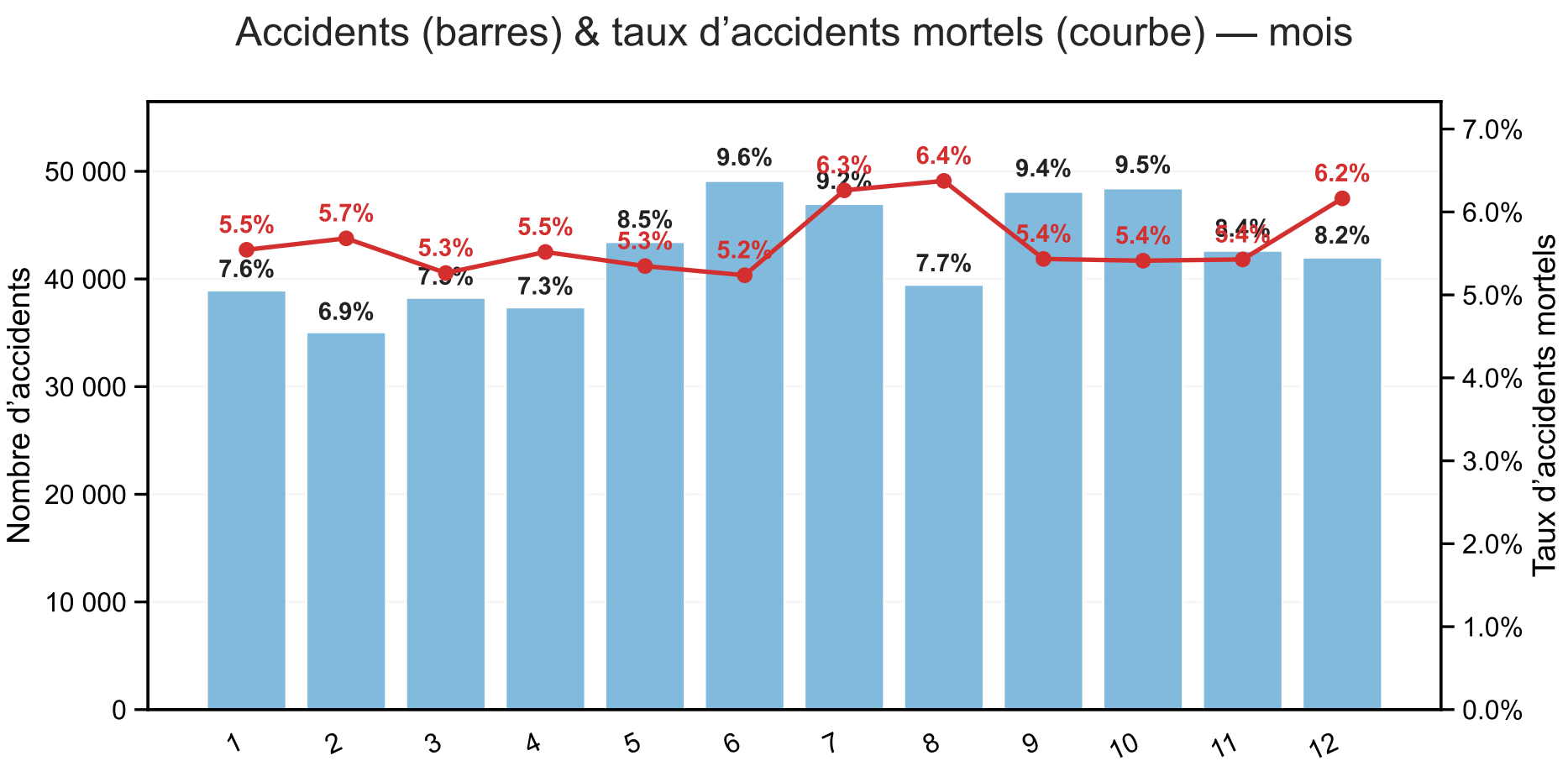
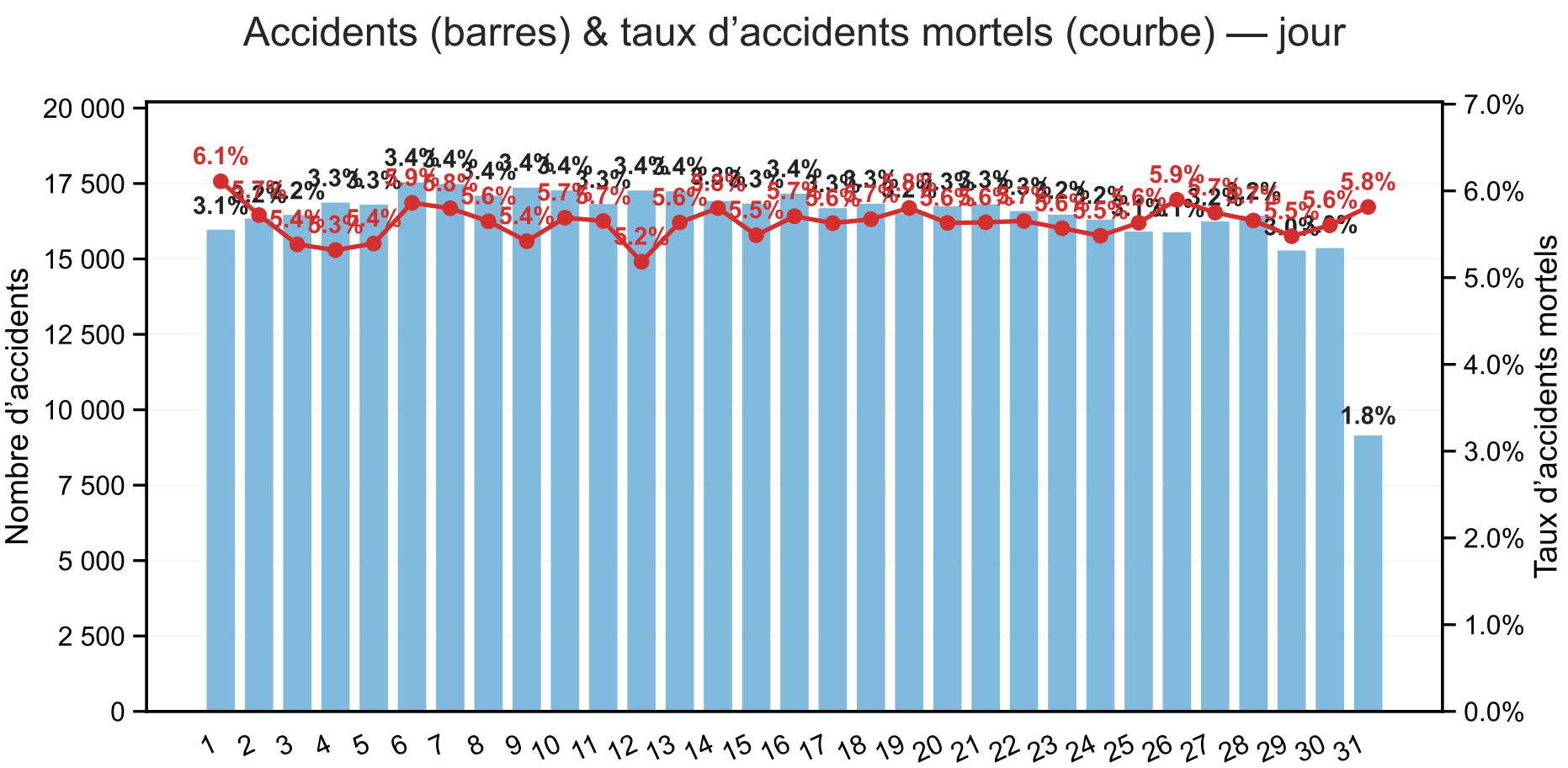
Analyse Exploratoire — Double axes

Jeu de données : ALL


Accidents (barres) & taux d’accidents mortels (courbe) — an
Nombre d’accidents
Taux d’accidents mortels
0
10 000
20 000
30 000
40 000
50 000
60 000
0.0%
1.0%
2.0%
3.0%
4.0%
5.0%
6.0%
11.5%
11.7%
11.9%
11.3%
11.5%
9.4%
11.1%
10.8%
10.8%
5.6%
5.7%
5.5%
5.5%
5.6%
5.5%
5.4%
6.0%
5.8%
2015
2016
2017
2018
2019
2020
2021
2022
2023


Accidents (barres) & taux d'accidents mortels (courbe) — mois
Nombre d'accidents
Taux d'accidents mortels
0
10 000
20 000
30 000
40 000
50 000
0.0%
1.0%
2.0%
3.0%
4.0%
5.0%
6.0%
7.0%
1
2
3
4
5
6
7
8
9
10
11
12
7.6%
6.9%
7.3%
8.5%
9.6%
9.2%
7.7%
9.4%
9.5%
8.2%
5.5%
5.7%
5.3%
5.5%
5.3%
5.2%
6.3%
6.4%
5.4%
5.4%
5.4%
6.2%


Accidents (barres) & taux d'accidents mortels (courbe) — jour
Nombre d'accidents
Taux d'accidents mortels
20 000
17 500
15 000
12 500
10 000
7 500
5 000
2 500
0
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
6.1%
3.1%
5.2%
3.2%
5.4%
3.3%
5.3%
3.4%
5.4%
3.3%
5.9%
3.4%
5.8%
3.4%
5.6%
3.4%
5.4%
3.4%
5.7%
3.4%
5.7%
3.3%
5.2%
3.4%
5.6%
3.4%
5.8%
3.3%
5.5%
3.4%
5.7%
3.3%
5.6%
3.3%
5.7%
3.3%
5.6%
3.3%
5.6%
3.3%
5.7%
3.3%
5.6%
3.2%
5.5%
3.2%
5.6%
3.2%
5.9%
3.2%
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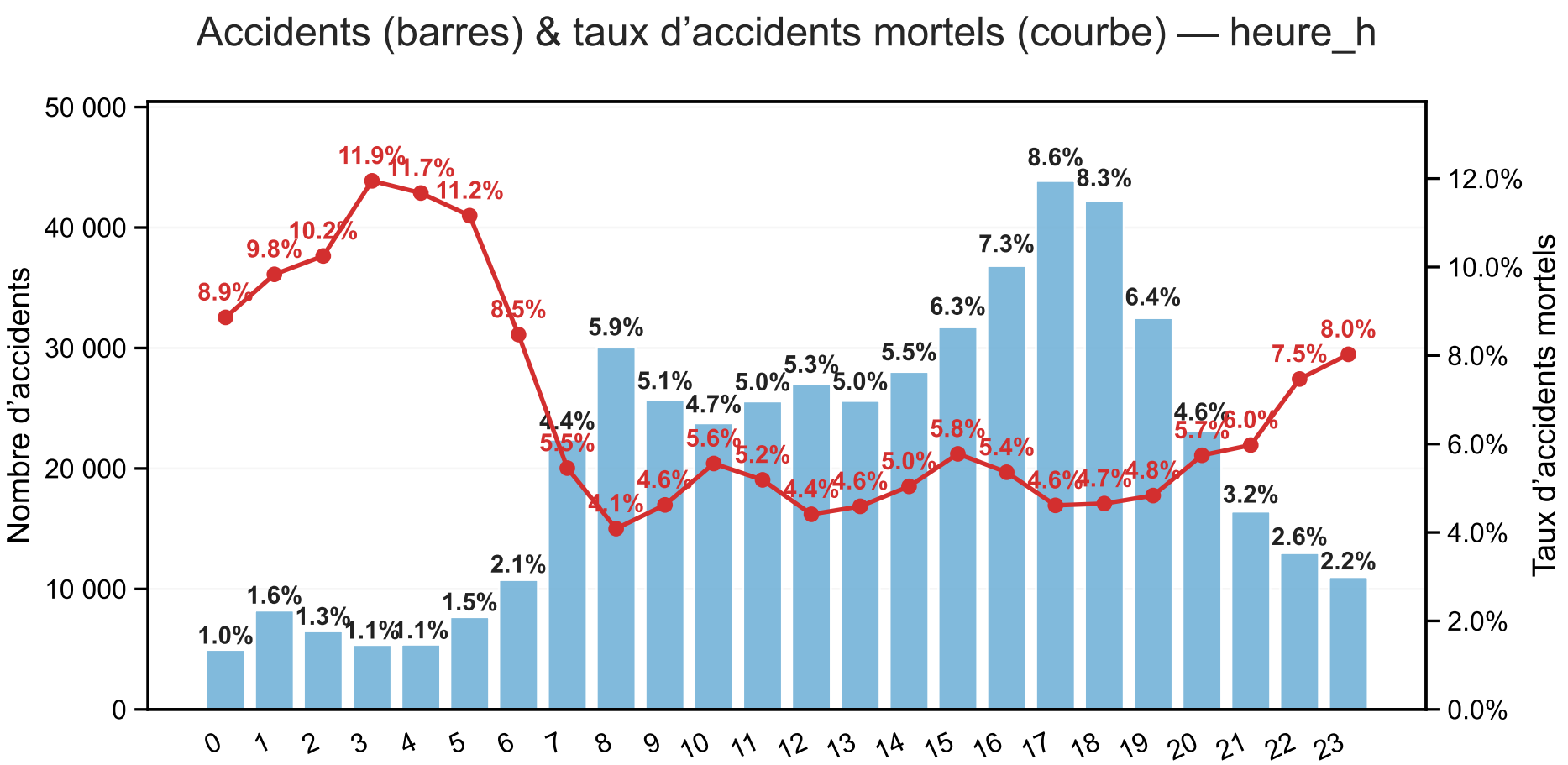
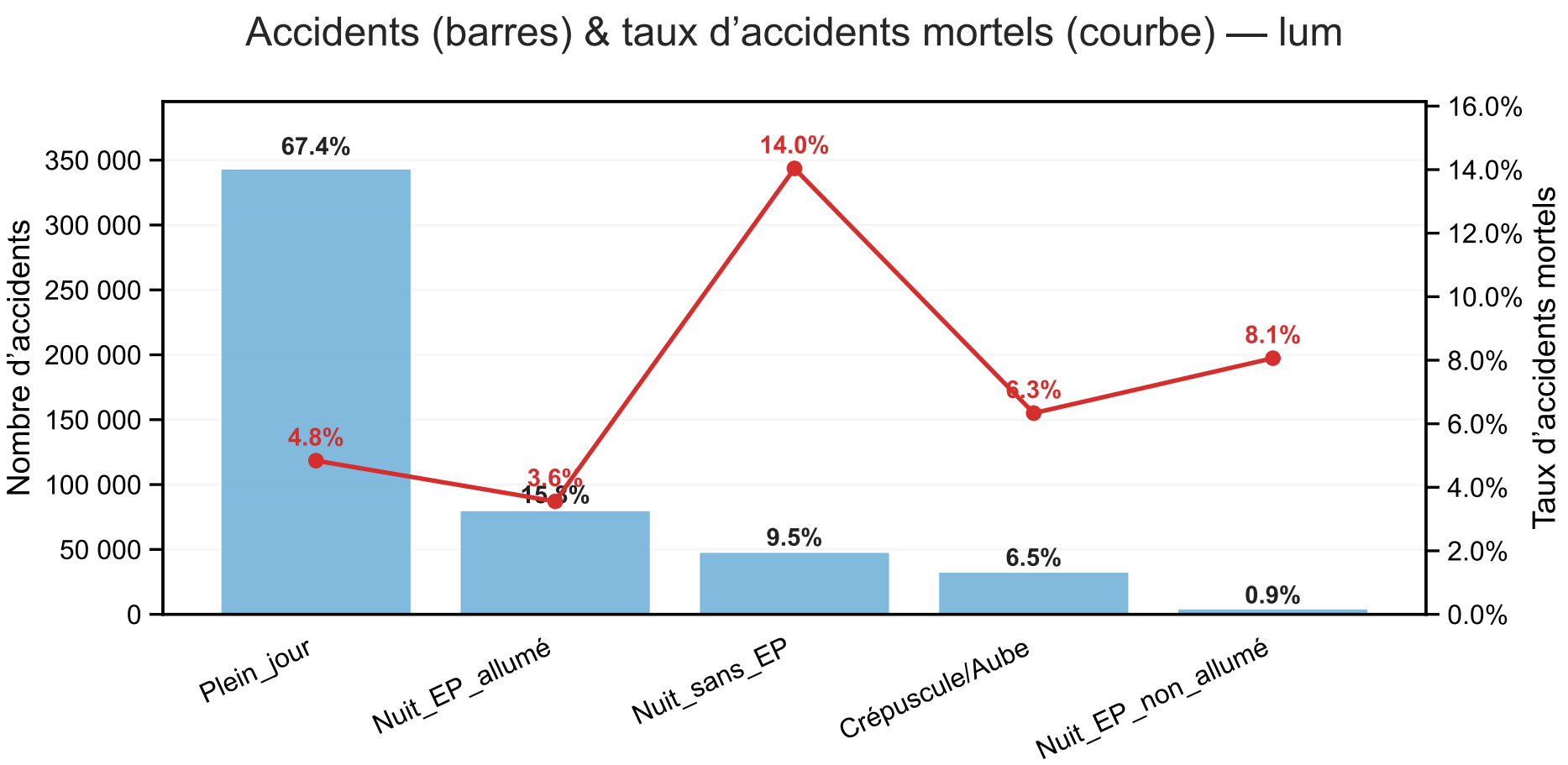
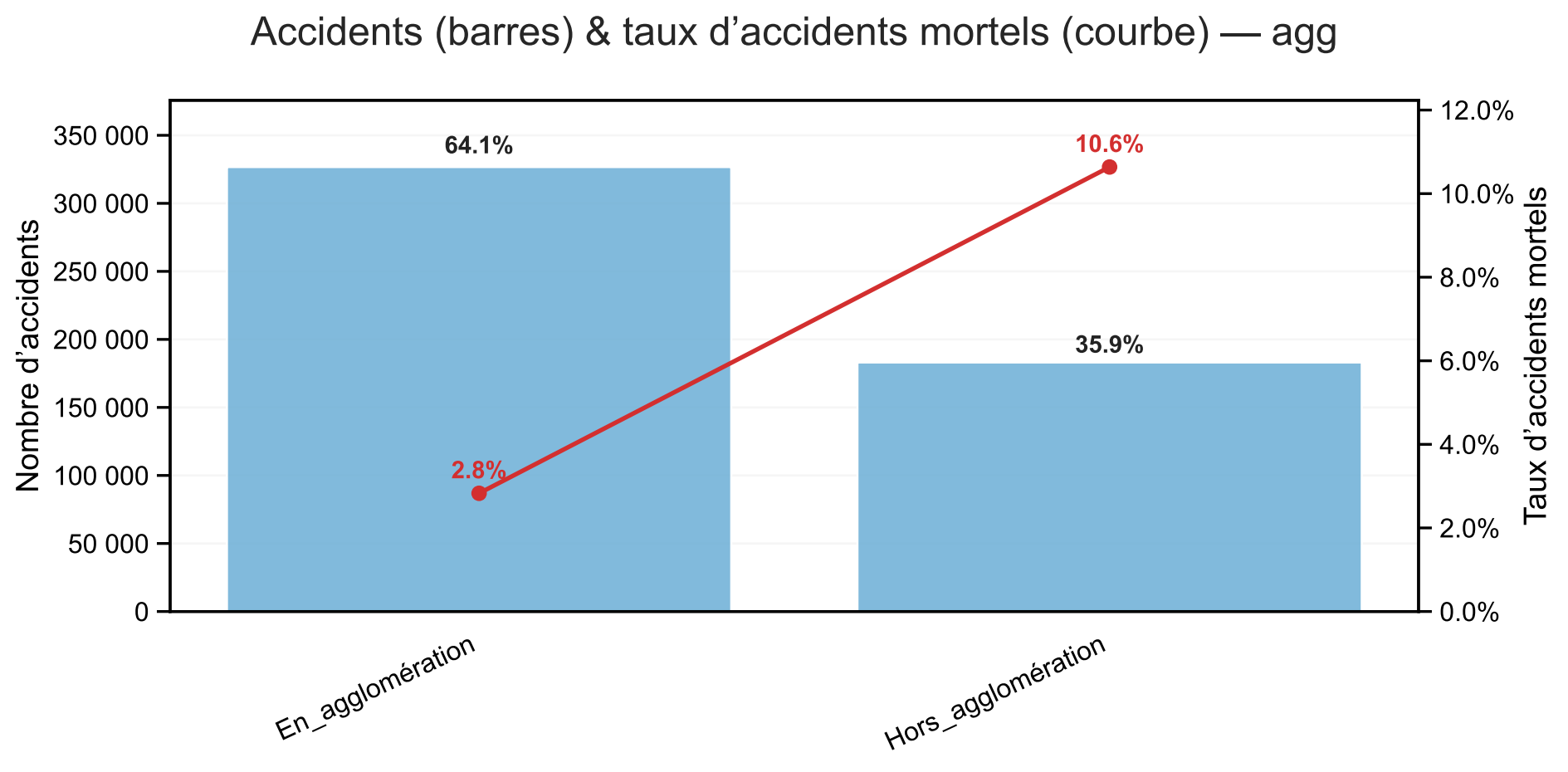
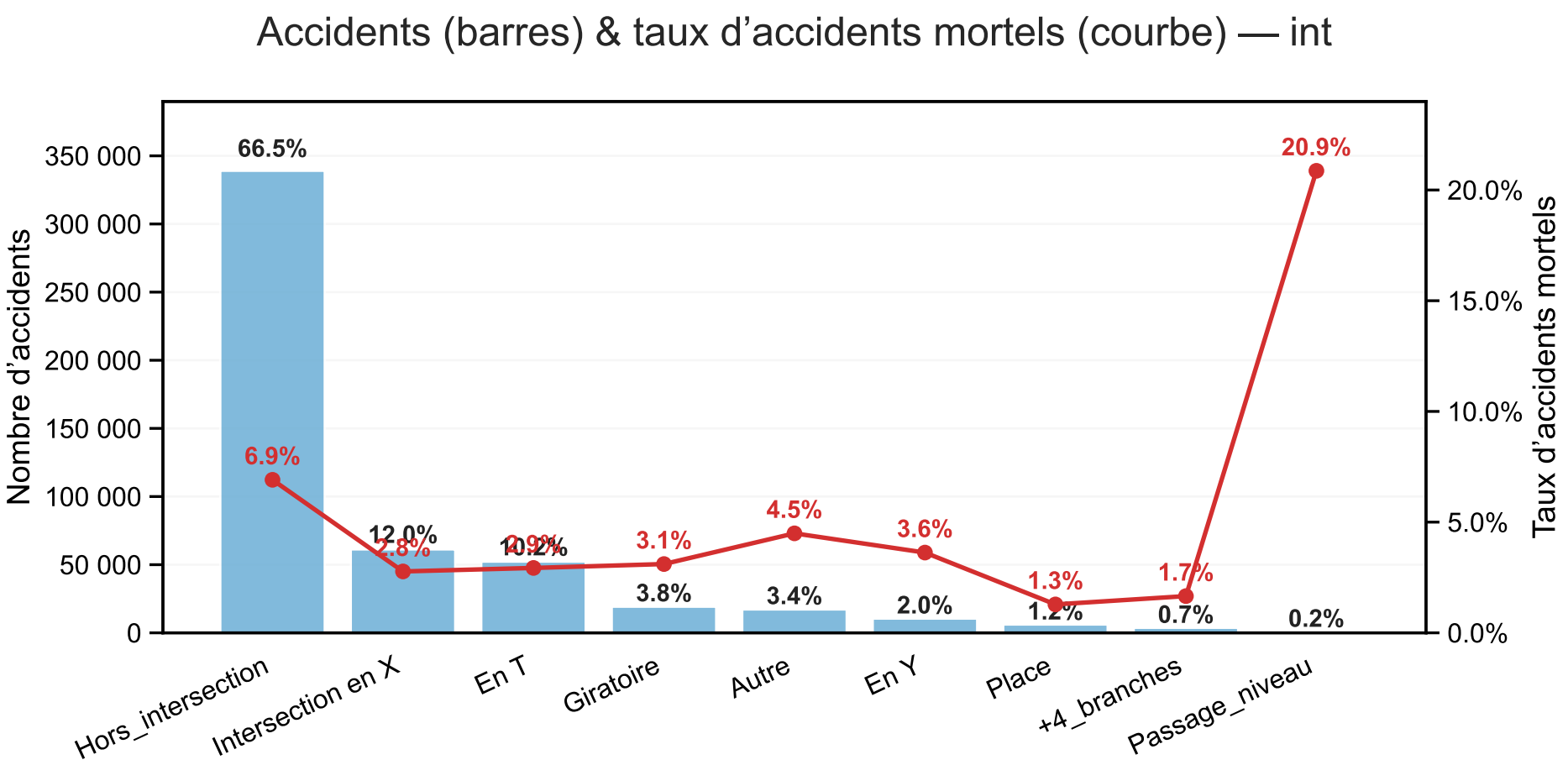
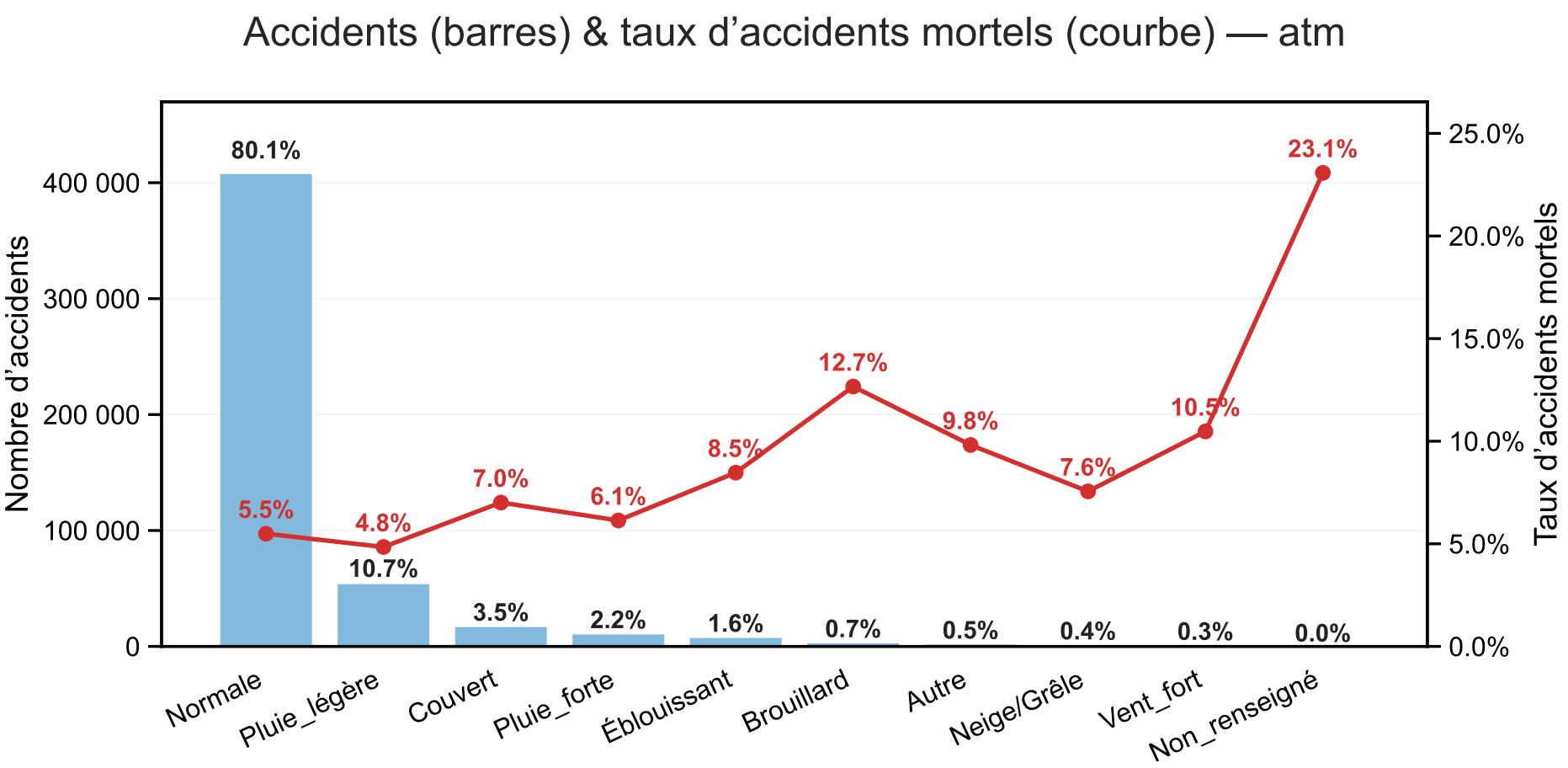
3.2%
5.7%
3.2%
5.5%
3.0%
5.6%
5.8%
1.8%

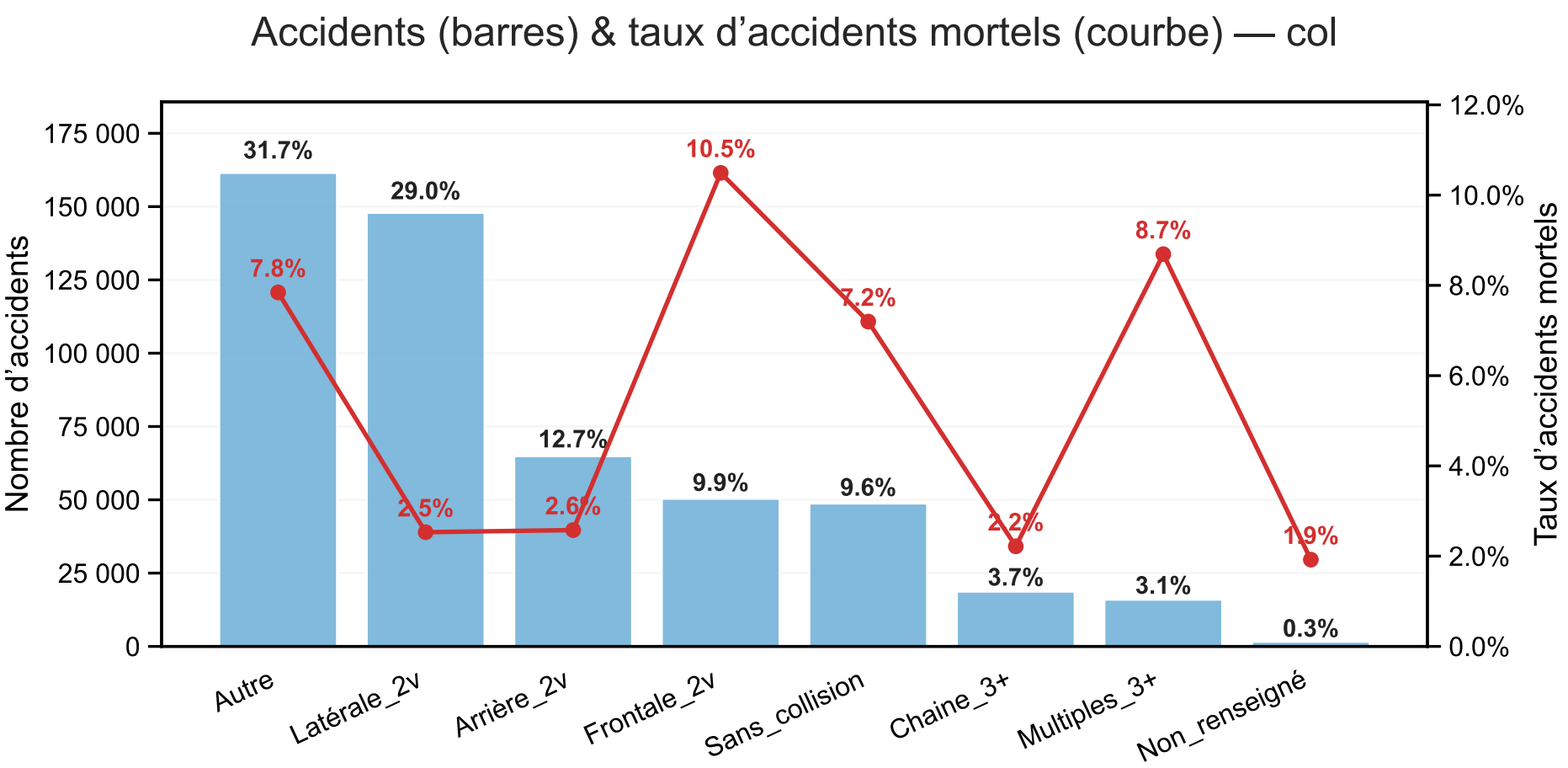

Accidents (barres) & taux d'accidents mortels (courbe) — heure_h
Nombre d'accidents
Taux d'accidents mortels
50 000
40 000
30 000
20 000
10 000
0
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
1.0%
1.6%
1.3%
1.1%
1.1%
1.5%
2.1%
4.4%
5.9%
4.1%
5.1%
4.6%
4.7%
5.6%
5.0%
5.2%
5.3%
4.4%
5.0%
4.6%
5.5%
5.0%
6.3%
5.8%
7.3%
5.4%
8.6%
4.6%
8.3%
4.7%
6.4%
4.8%
4.6%
5.7%
3.2%
6.0%
2.6%
7.5%
2.2%
8.0%
8.9%
9.8%
10.2%
11.9%
11.7%
11.2%
8.5%
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

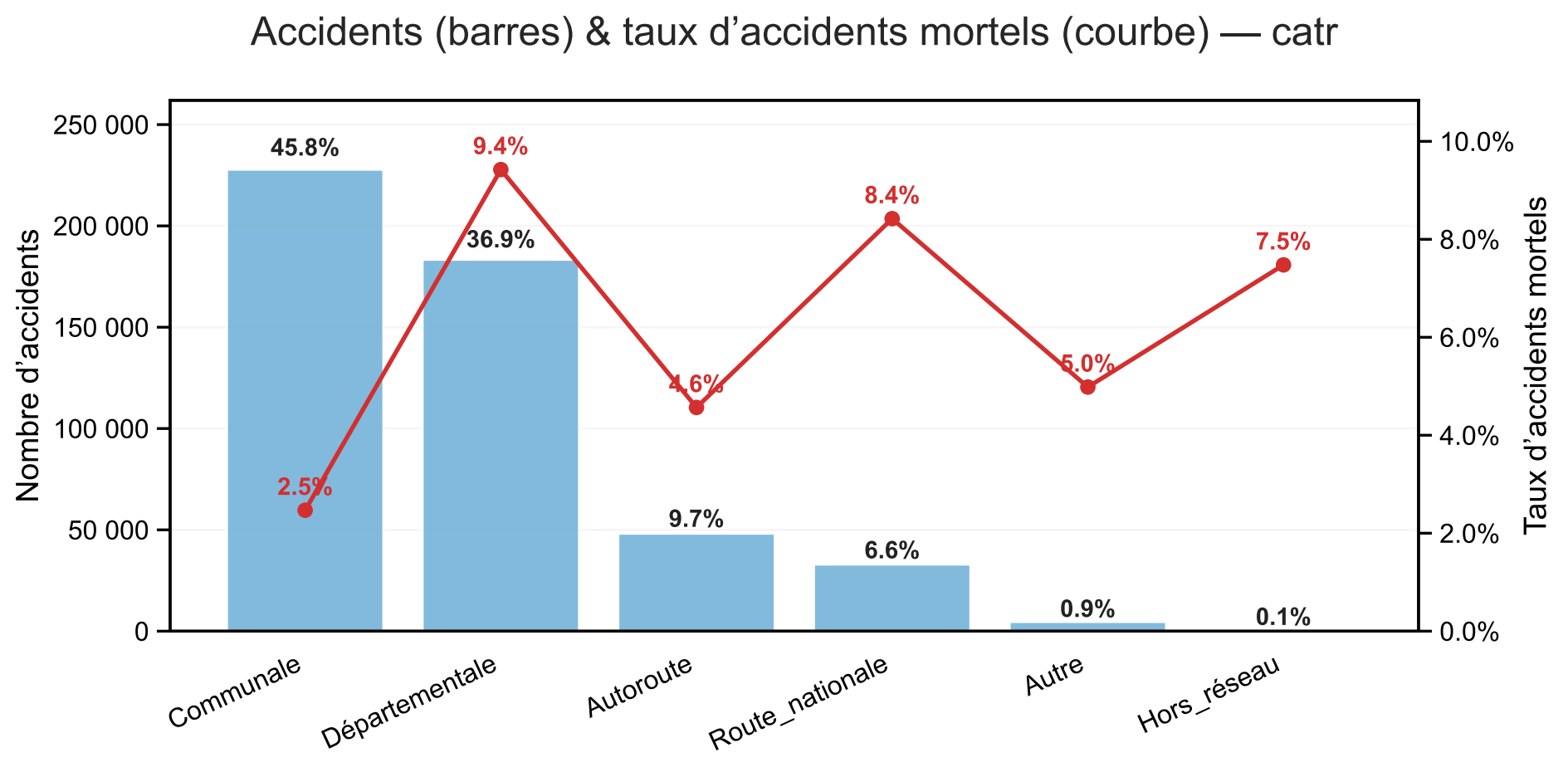

Accidents (barres) & taux d’accidents mortels (courbe) — lum
Nombre d’accidents
Taux d’accidents mortels
0
50 000
100 000
150 000
200 000
250 000
300 000
350 000
0.0%
2.0%
4.0%
6.0%
8.0%
10.0%
12.0%
14.0%
16.0%
67.4%
15.8%
9.5%
6.5%
0.9%
4.8%
3.6%
14.0%
6.3%
8.1%
Plein_jour
Nuit_EP _allumé
Nuit_sans_EP
Crépuscule/Aube
Nuit_EP _non_allumé

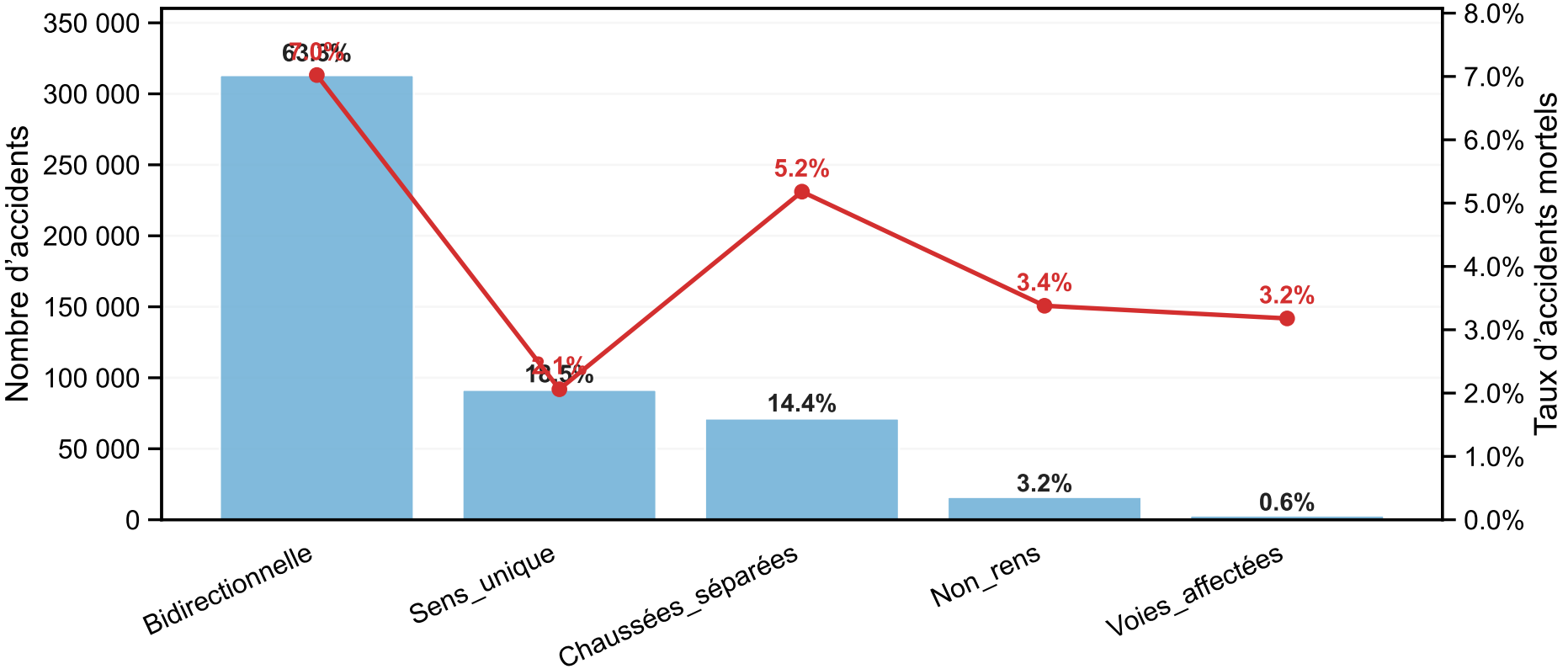

Accidents (barres) & taux d’accidents mortels (courbe) — agg
Nombre d’accidents
Taux d’accidents mortels
350 000
300 000
250 000
200 000
150 000
100 000
50 000
0
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
64.1%
35.9%
2.8%
10.6%
En_agglomération
Hors_agglomération

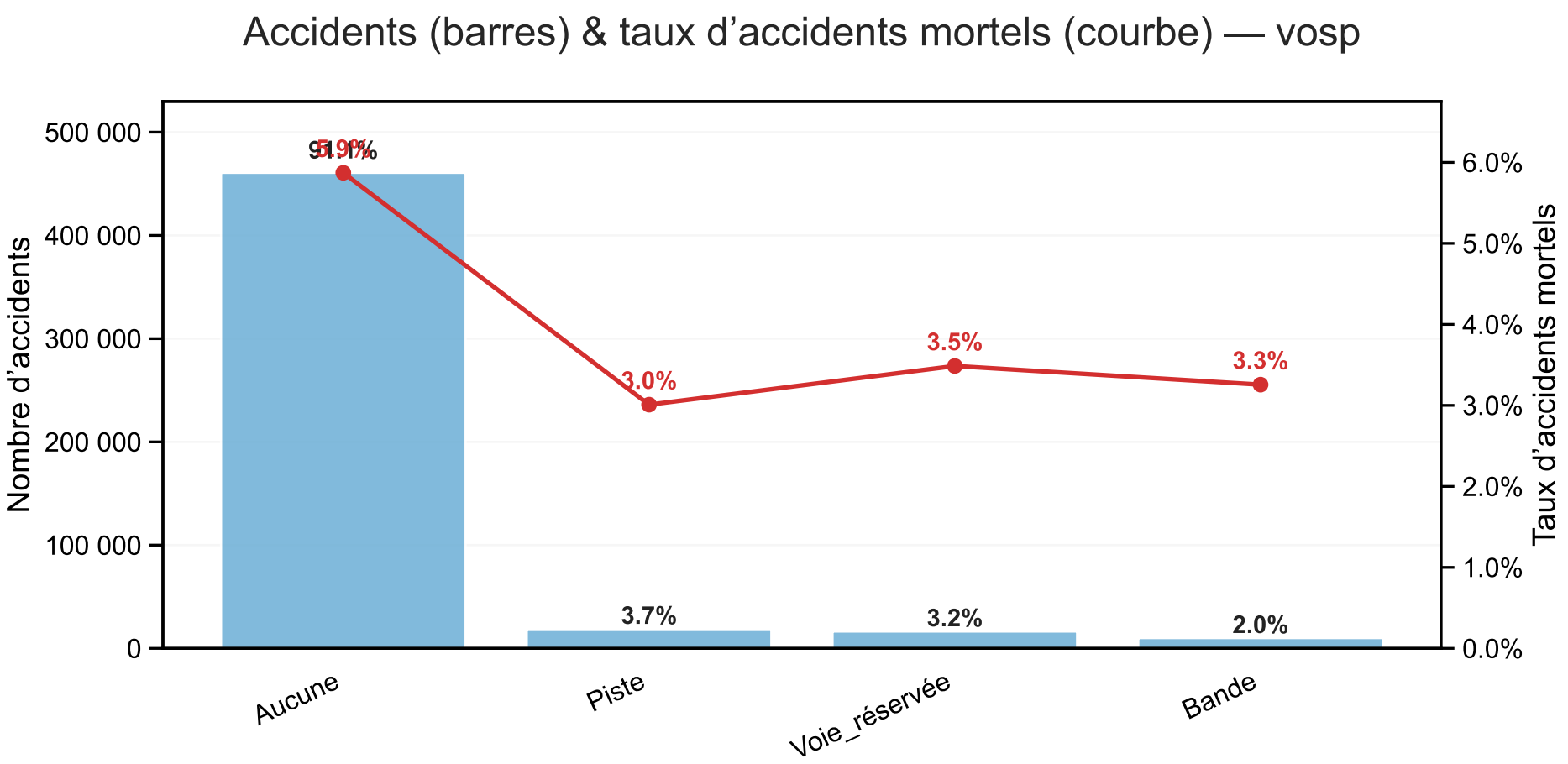

Accidents (barres) & taux d’accidents mortels (courbe) — int
Nombre d’accidents
Taux d’accidents mortels
350 000
300 000
250 000
200 000
150 000
100 000
50 000
0
20.0%
15.0%
10.0%
5.0%
0.0%
66.5%
12.0%
10.2%
3.8%
3.4%
2.0%
1.2%
0.7%
0.2%
6.9%
2.8%
3.1%
4.5%
3.6%
1.3%
1.7%
20.9%
Hors_intersection
Intersection en X
En T
Giratoire
Autre
En Y
Place
+4_branches
Passage_niveau

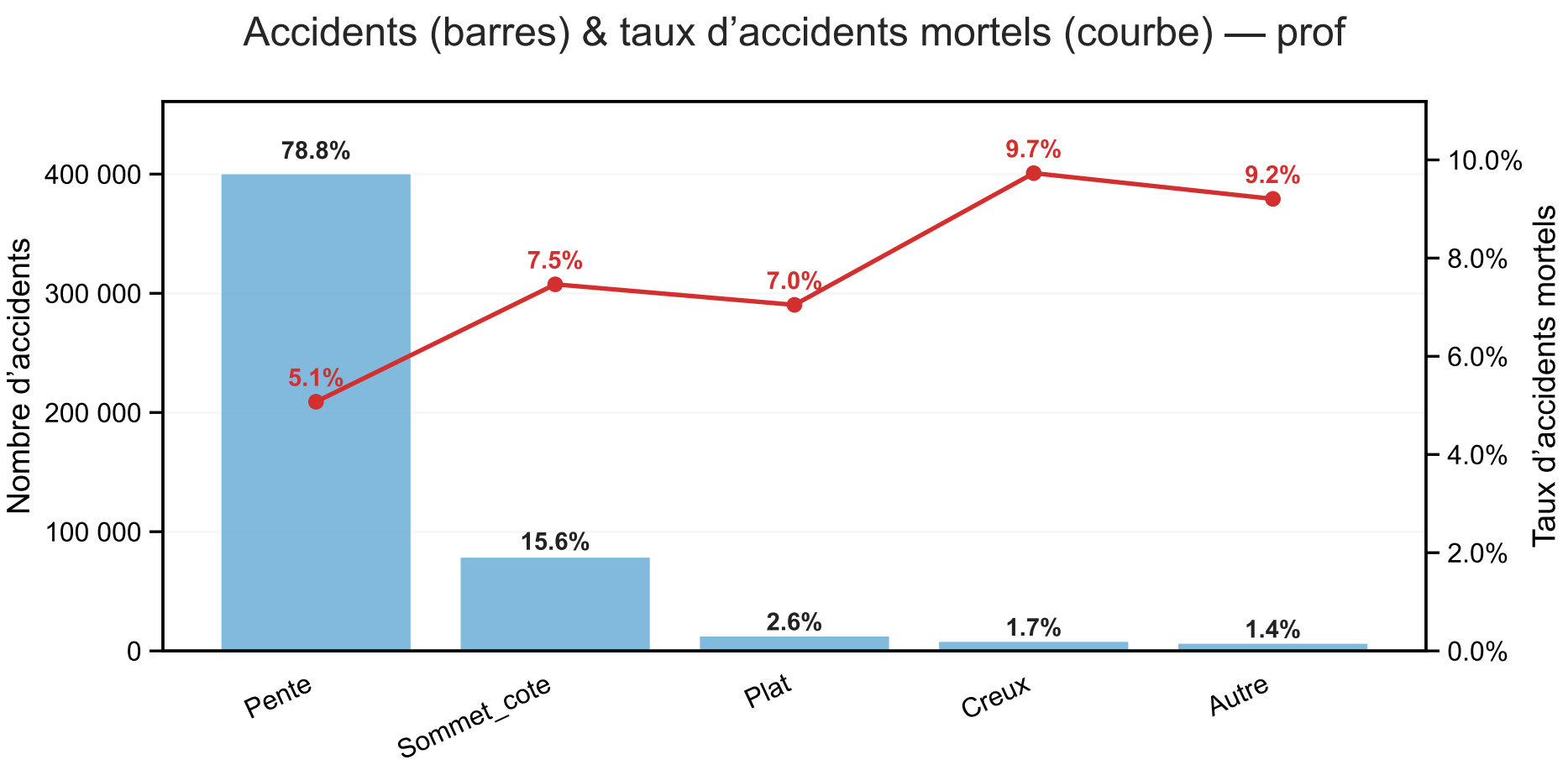

Accidents (barres) & taux d’accidents mortels (courbe) — atm
Nombre d’accidents
Taux d’accidents mortels
0
100 000
200 000
300 000
400 000
0.0%
5.0%
10.0%
15.0%
20.0%
25.0%
80.1%
10.7%
3.5%
2.2%
1.6%
0.7%
0.5%
0.4%
0.3%
0.0%
5.5%
4.8%
7.0%
6.1%
8.5%
12.7%
9.8%
7.6%
10.5%
23.1%
Normale
Pluie_légère
Couvert
Pluie_forte
Éblouissant
Brouillard
Autre
Neige/Grêle
Vent_fort
Non_renseigné

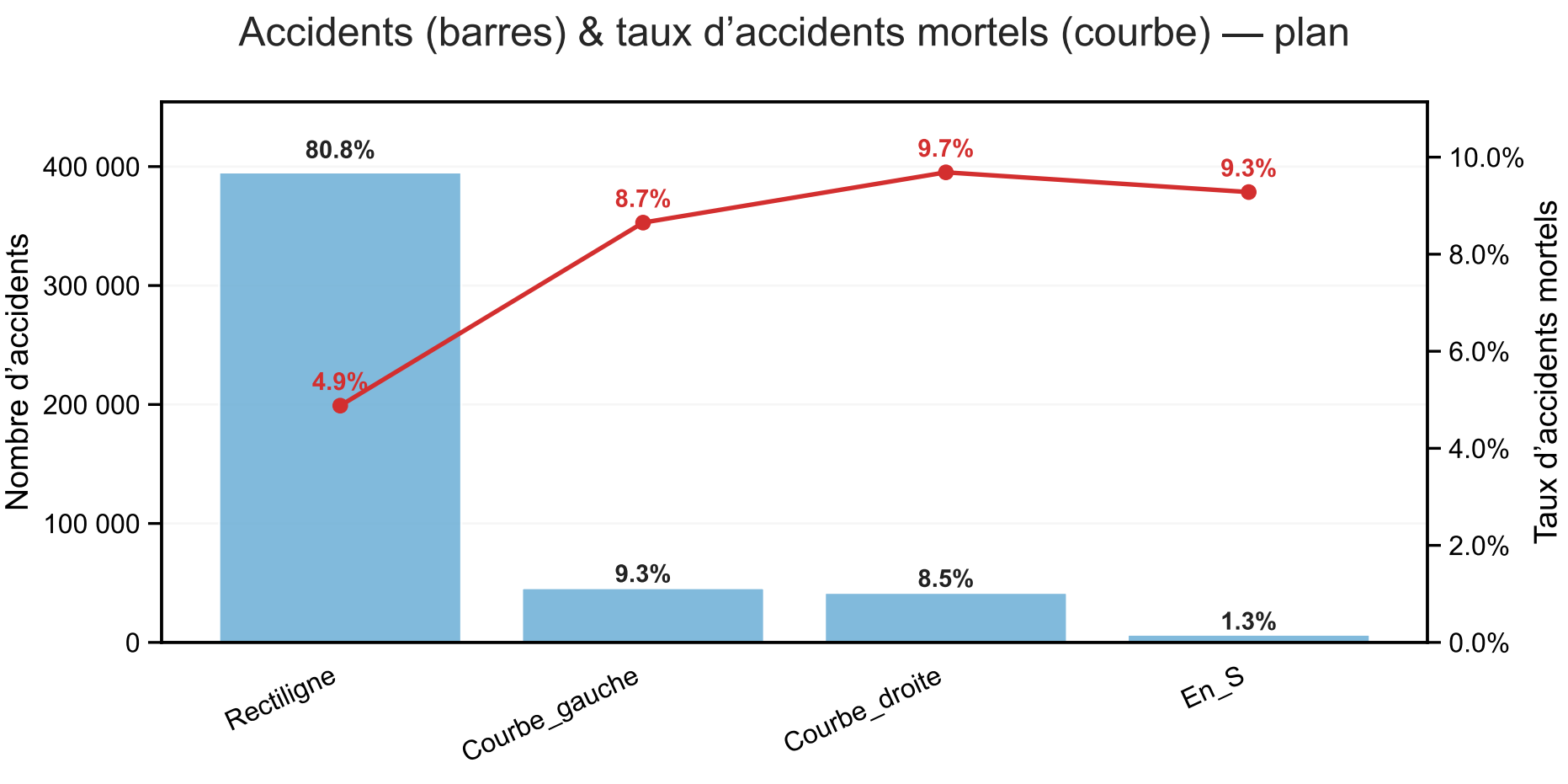

Accidents (barres) & taux d’accidents mortels (courbe) — col
Nombre d’accidents
Taux d’accidents mortels
175 000
150 000
125 000
100 000
75 000
50 000
25 000
0
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
31.7%
29.0%
12.7%
9.9%
9.6%
3.7%
3.1%
0.3%
7.8%
2.5%
2.6%
10.5%
7.2%
2.2%
8.7%
1.9%
Autre
Latérale_2v
Arrière_2v
Frontale_2v
Sans_collision
Chaine_3+
Multiples_3+
Non_renseigné

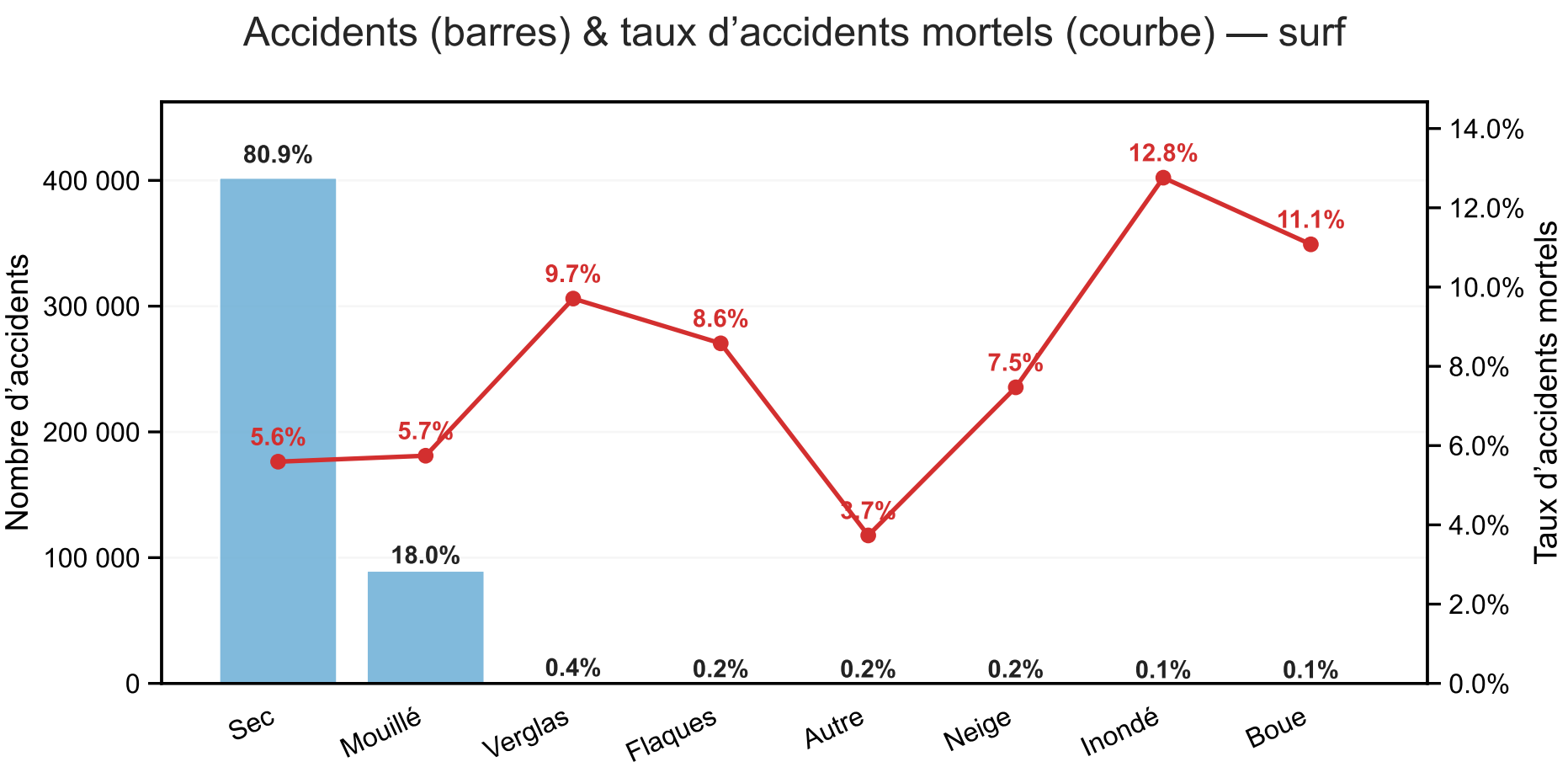

Accidents (barres) & taux d’accidents mortels (courbe) — catr
Nombre d’accidents
Taux d’accidents mortels
250 000
200 000
150 000
100 000
50 000
0
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
45.8%
36.9%
9.7%
6.6%
0.9%
0.1%
2.5%
9.4%
4.6%
8.4%
5.0%
7.5%
Communale
Départementale
Autoroute
Route_nationale
Autre
Hors_réseau

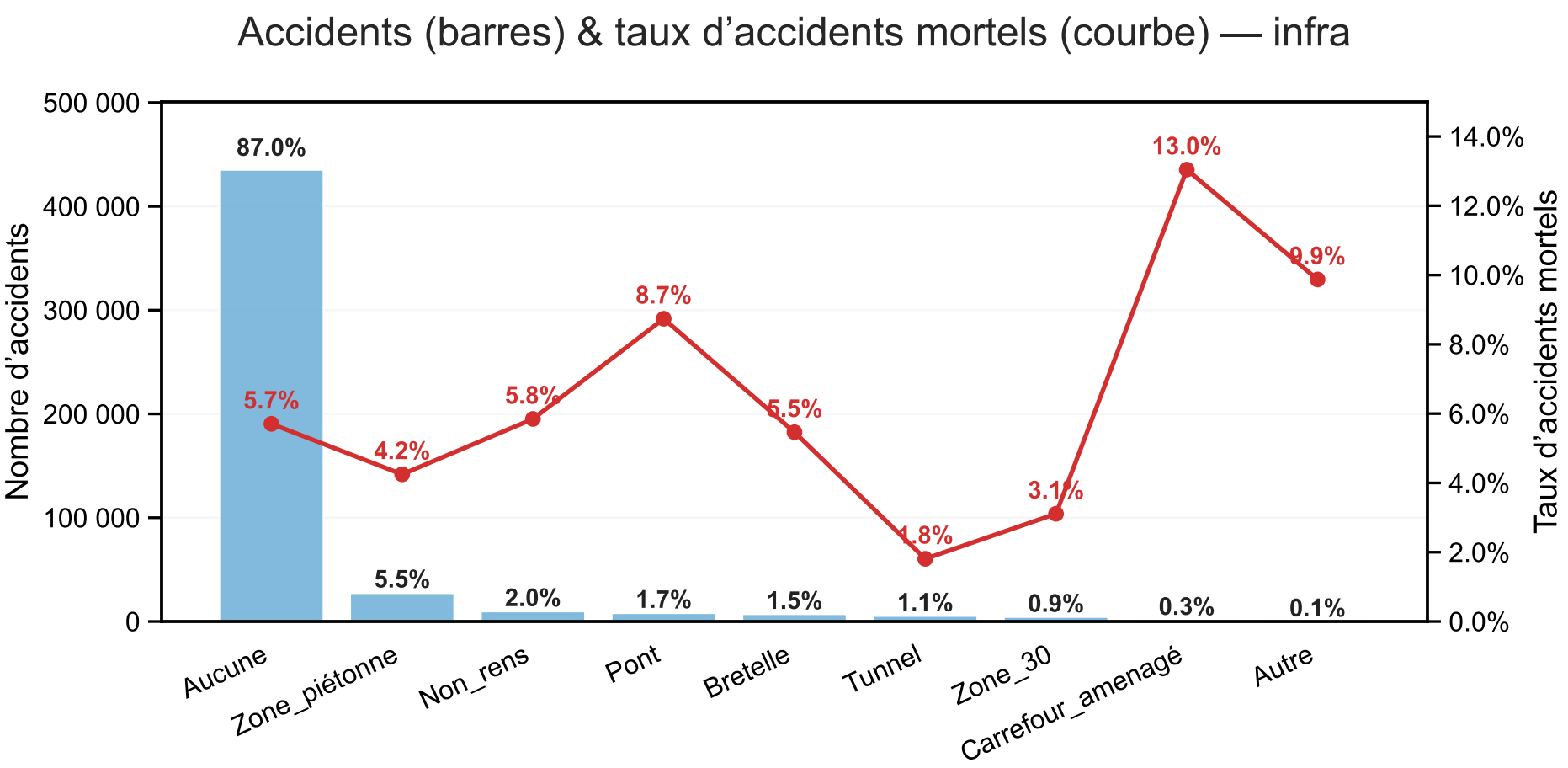

Accidents (barres) & taux d’accidents mortels (courbe) — circ
Nombre d’accidents
Taux d’accidents mortels
350 000
300 000
250 000
200 000
150 000
100 000
50 000
0
8.0%
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
63.3%
18.5%
14.4%
3.2%
0.6%
5.2%
3.4%
3.2%
Bidirectionnelle
Sens_unique
Chaussées_séparées
Non_rens
Voies_affectées

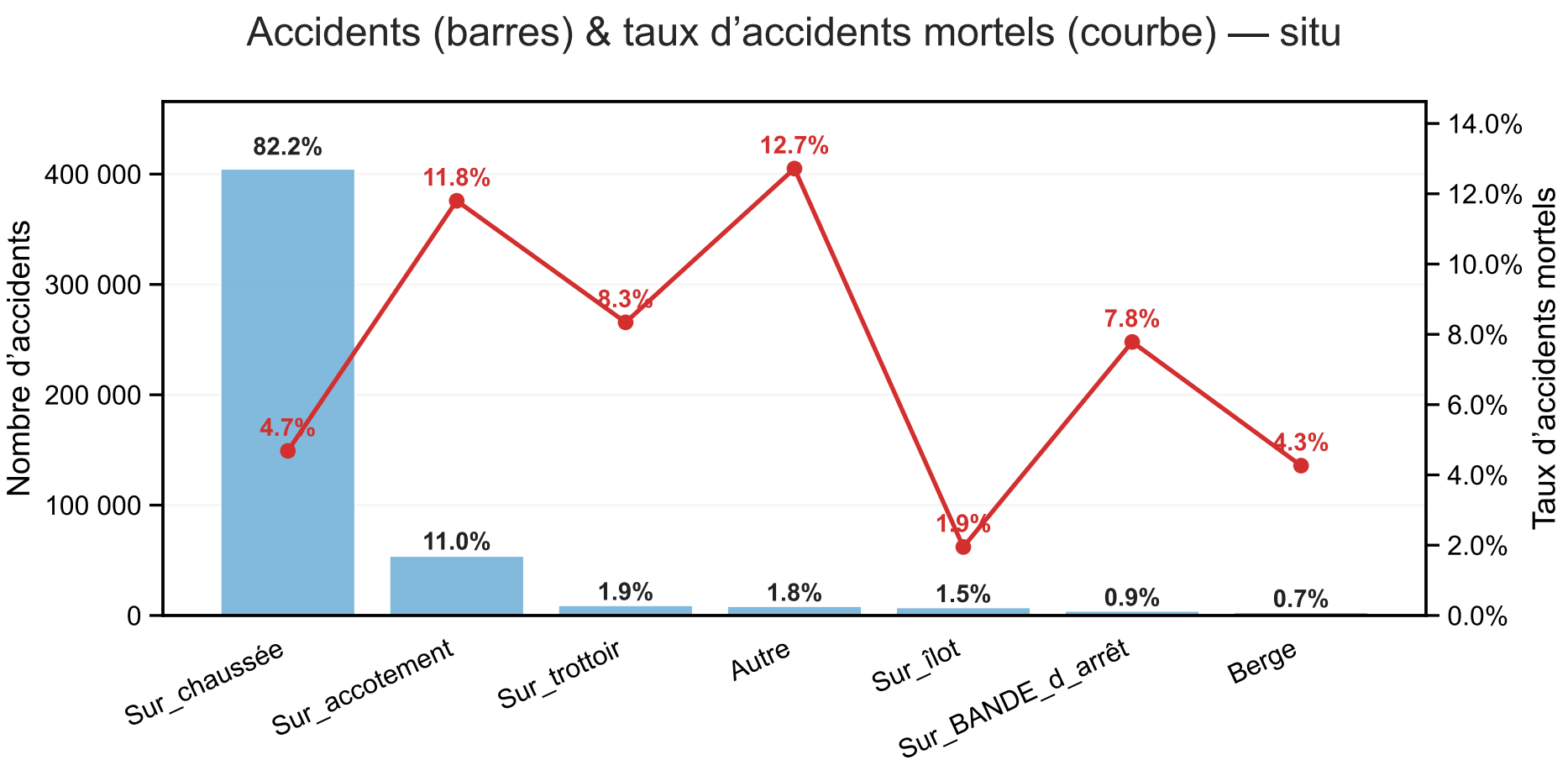

Accidents (barres) & taux d’accidents mortels (courbe) — vosp
Nombre d’accidents
Taux d’accidents mortels
500 000
400 000
300 000
200 000
100 000
0
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
5.9%
3.0%
3.5%
3.3%
3.7%
3.2%
2.0%
Aucune
Piste
Voie_réservée
Bande

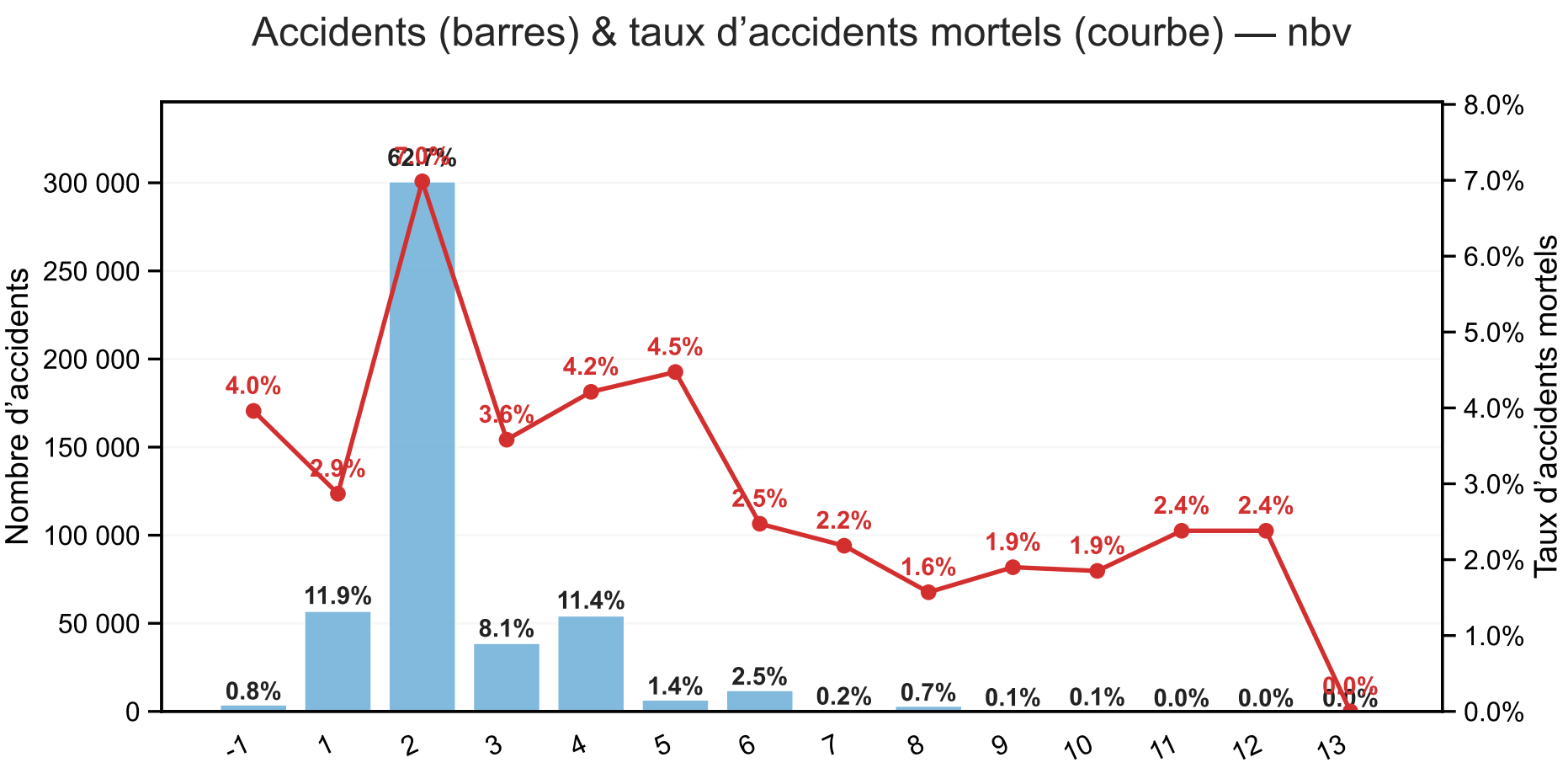

Accidents (barres) & taux d’accidents mortels (courbe) — prof
Nombre d’accidents
Taux d’accidents mortels
400 000
300 000
200 000
100 000
0
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
78.8%
15.6%
2.6%
1.7%
1.4%
5.1%
7.5%
7.0%
9.7%
9.2%
Pente
Sommet_cote
Plat
Creux
Autre

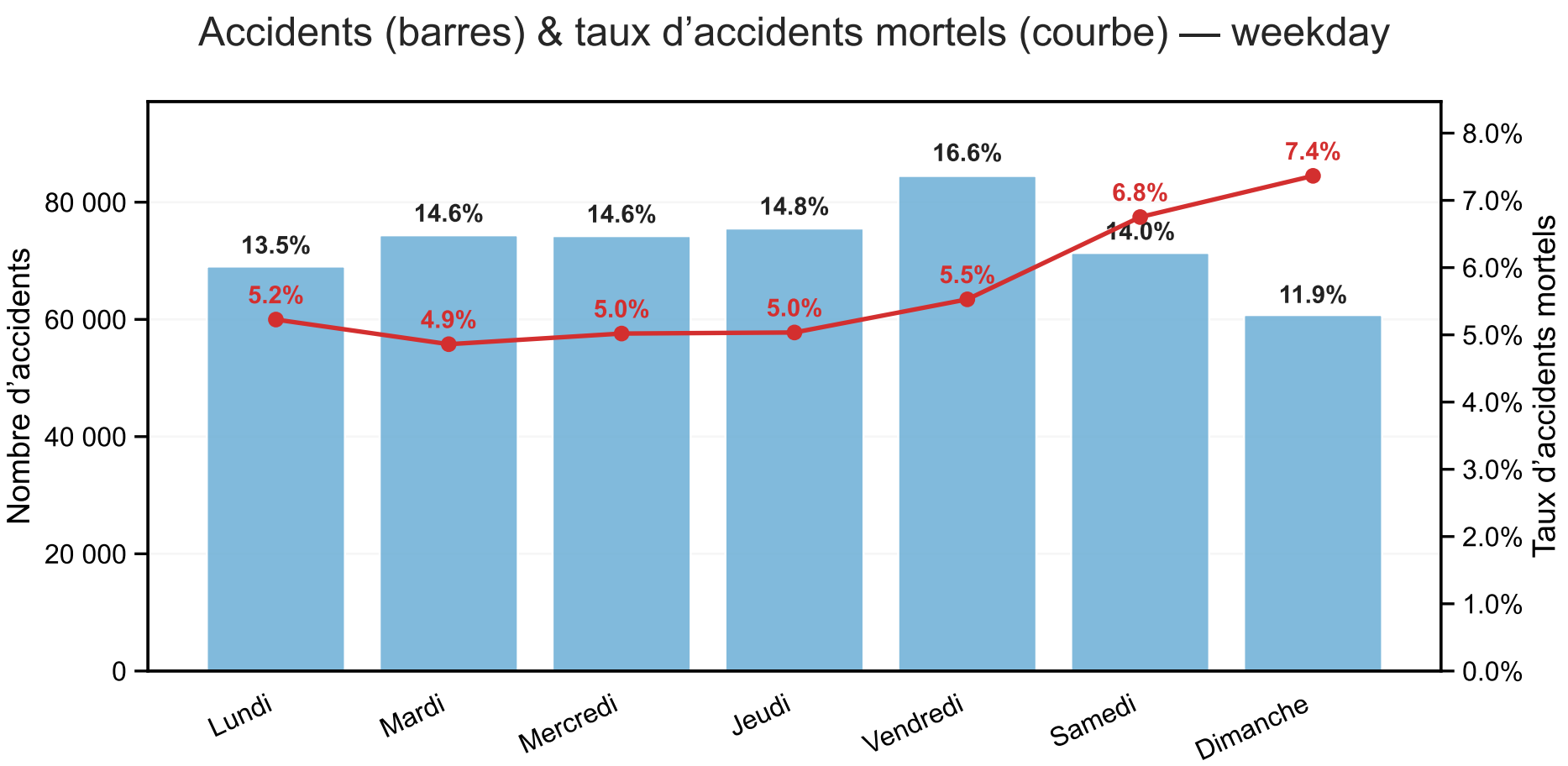

Accidents (barres) & taux d’accidents mortels (courbe) — plan
Nombre d’accidents
Taux d’accidents mortels
400 000
300 000
200 000
100 000
0
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
80.8%
9.3%
8.5%
1.3%
4.9%
8.7%
9.7%
9.3%
Rectiligne
Courbe_gauche
Courbe_droite
En_S

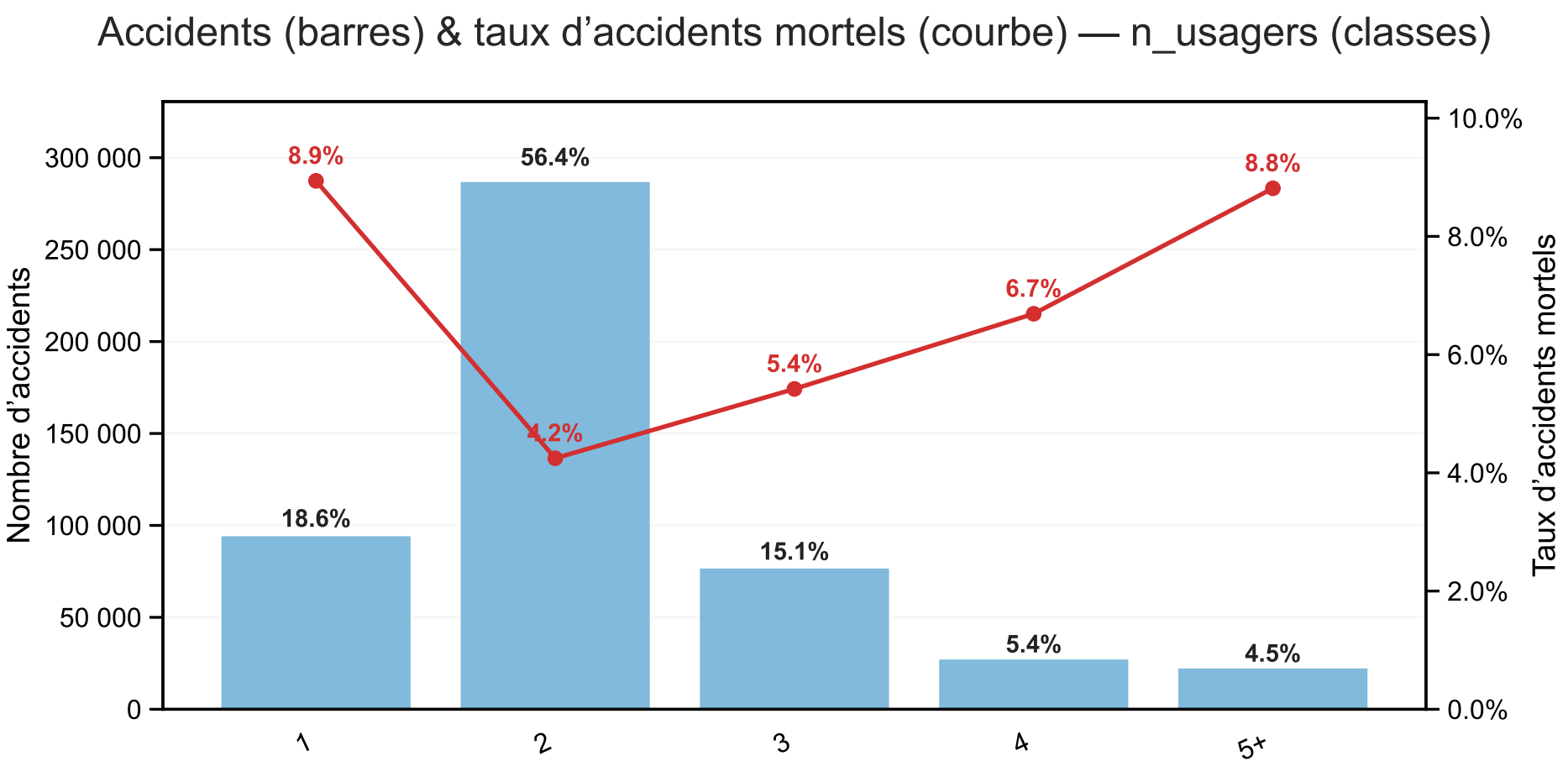

Accidents (barres) & taux d’accidents mortels (courbe) — surf
Nombre d’accidents
Taux d’accidents mortels
400 000
300 000
200 000
100 000
0
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
80.9%
18.0%
0.4%
0.2%
0.2%
0.2%
0.1%
0.1%
5.6%
5.7%
9.7%
8.6%
3.7%
7.5%
12.8%
11.1%
Sec
Mouillé
Verglas
Flaques
Autre
Neige
Inondé
Boue

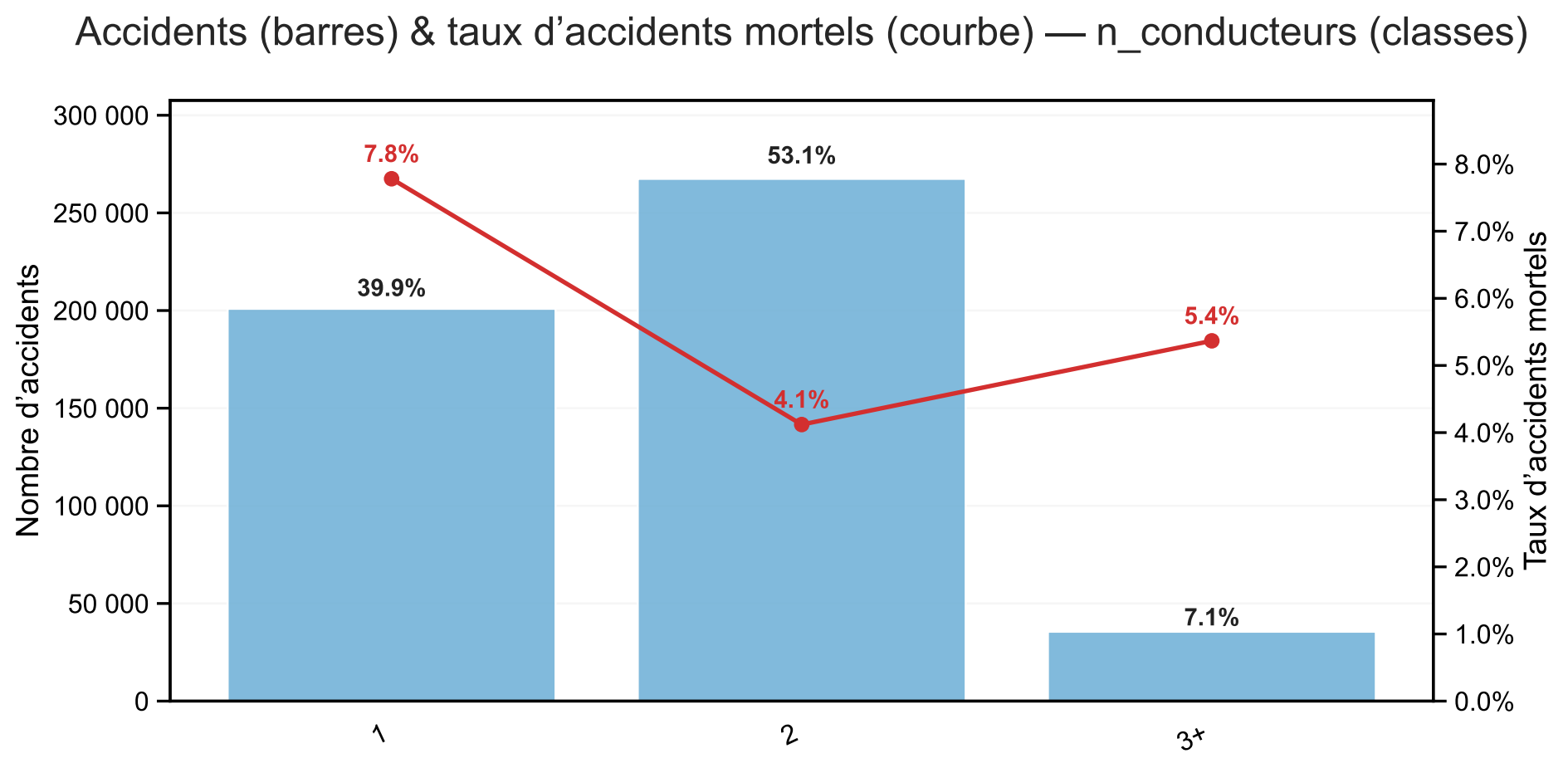

Accidents (barres) & taux d'accidents mortels (courbe) — infra
Nombre d'accidents
Taux d'accidents mortels
500 000
400 000
300 000
200 000
100 000
0
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
87.0%
5.5%
2.0%
1.7%
1.5%
1.1%
0.9%
0.3%
0.1%
5.7%
4.2%
5.8%
8.7%
5.5%
1.8%
3.1%
13.0%
9.9%
Aucune
Zone_piétonne
Non_rens
Pont
Bretelle
Tunnel
Zone_30
Carrefour_amenagé
Autre

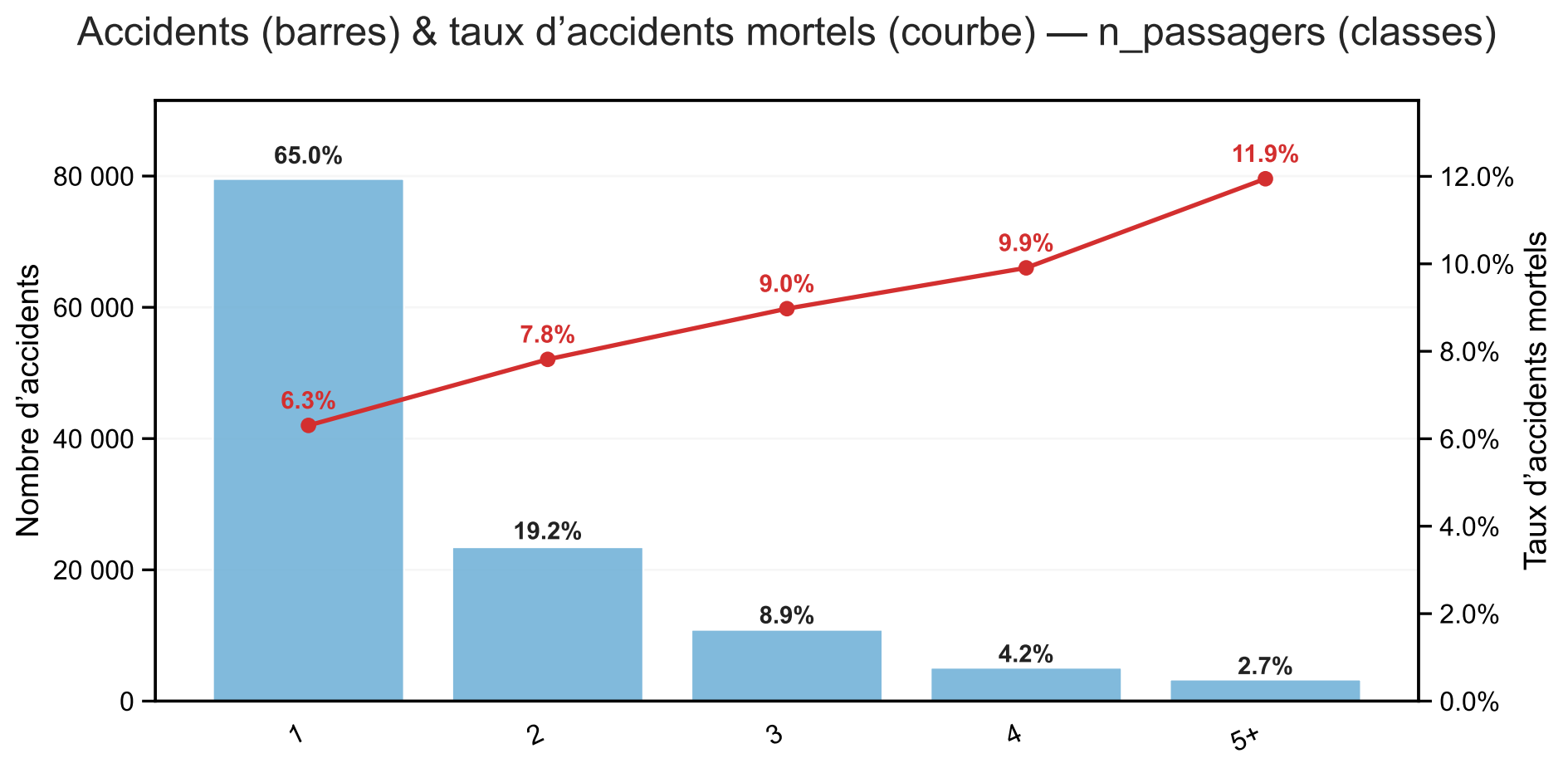

Accidents (barres) & taux d’accidents mortels (courbe) — situ
Nombre d’accidents
Taux d’accidents mortels
400 000
300 000
200 000
100 000
0
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
82.2%
11.0%
1.9%
1.8%
1.5%
0.9%
0.7%
4.7%
11.8%
8.3%
12.7%
1.9%
7.8%
4.3%
Sur_chaussée
Sur_accotement
Sur_trottoir
Autre
Sur_îlot
Sur_BANDE_d_arrêt
Berge

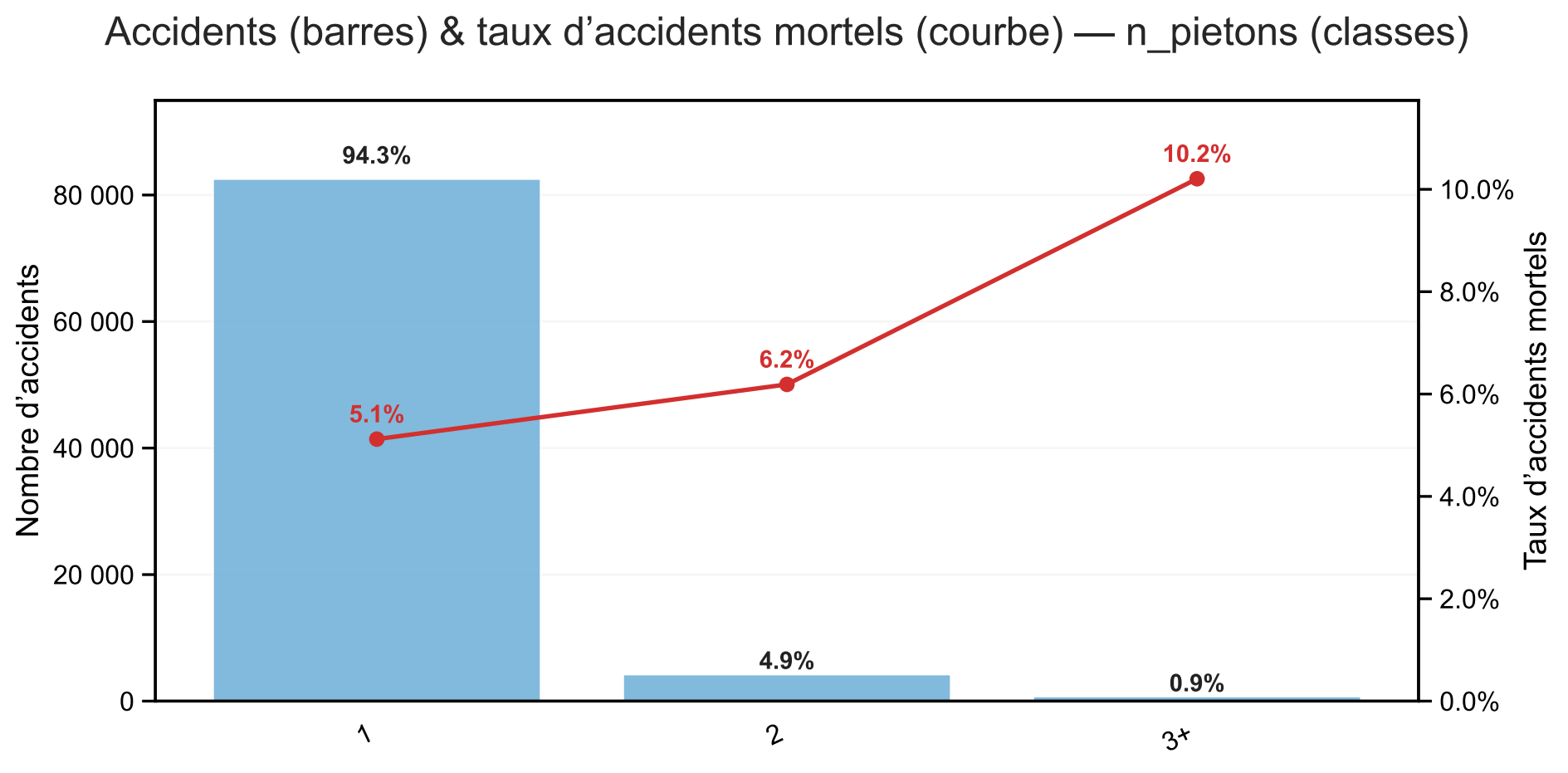

Accidents (barres) & taux d’accidents mortels (courbe) — nbv
Nombre d’accidents
Taux d’accidents mortels
0
50 000
100 000
150 000
200 000
250 000
300 000
0.0%
1.0%
2.0%
3.0%
4.0%
5.0%
6.0%
7.0%
8.0%
0.8%
11.9%
62.7%
8.1%
11.4%
1.4%
2.5%
0.2%
0.7%
0.1%
0.1%
0.0%
0.0%
0.0%
4.0%
2.9%
3.6%
4.2%
4.5%
2.5%
2.2%
1.6%
1.9%
1.9%
2.4%
2.4%
-1
1
2
3
4
5
6
7
8
9
10
11
12
13

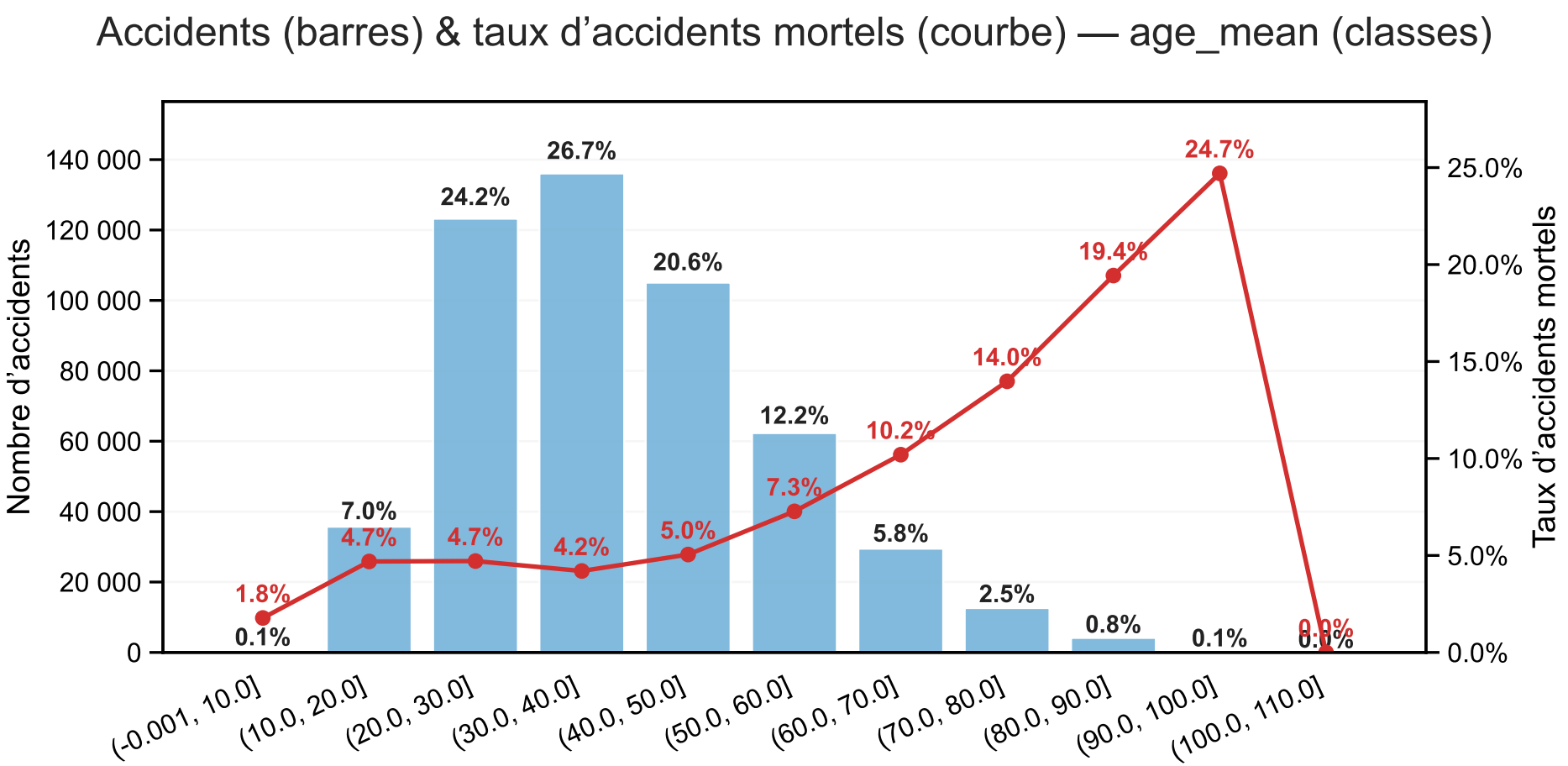

Accidents (barres) & taux d’accidents mortels (courbe) — weekday
Nombre d’accidents
Taux d’accidents mortels
0
20 000
40 000
60 000
80 000
0.0%
1.0%
2.0%
3.0%
4.0%
5.0%
6.0%
7.0%
8.0%
13.5%
14.6%
14.6%
14.8%
16.6%
14.0%
11.9%
5.2%
4.9%
5.0%
5.0%
5.5%
6.8%
7.4%
Lundi
Mardi
Mercredi
Jeudi
Vendredi
Samedi
Dimanche

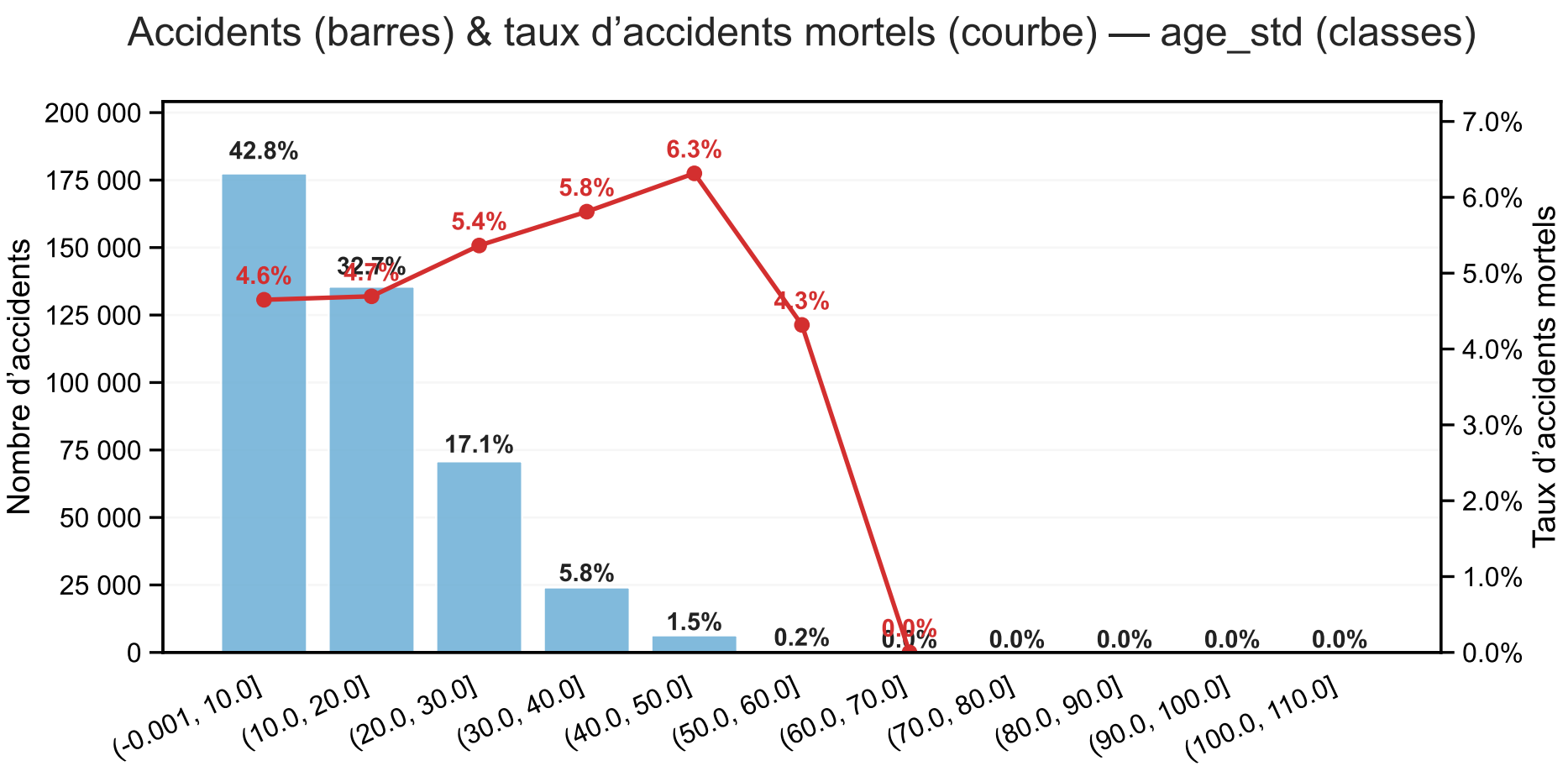

Accidents (barres) & taux d’accidents mortels (courbe) — n_usagers (classes)
Nombre d’accidents
Taux d’accidents mortels
300 000
250 000
200 000
150 000
100 000
50 000
0
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
18.6%
56.4%
15.1%
5.4%
4.5%
8.9%
4.2%
5.4%
6.7%
8.8%
1
2
3
4
5+

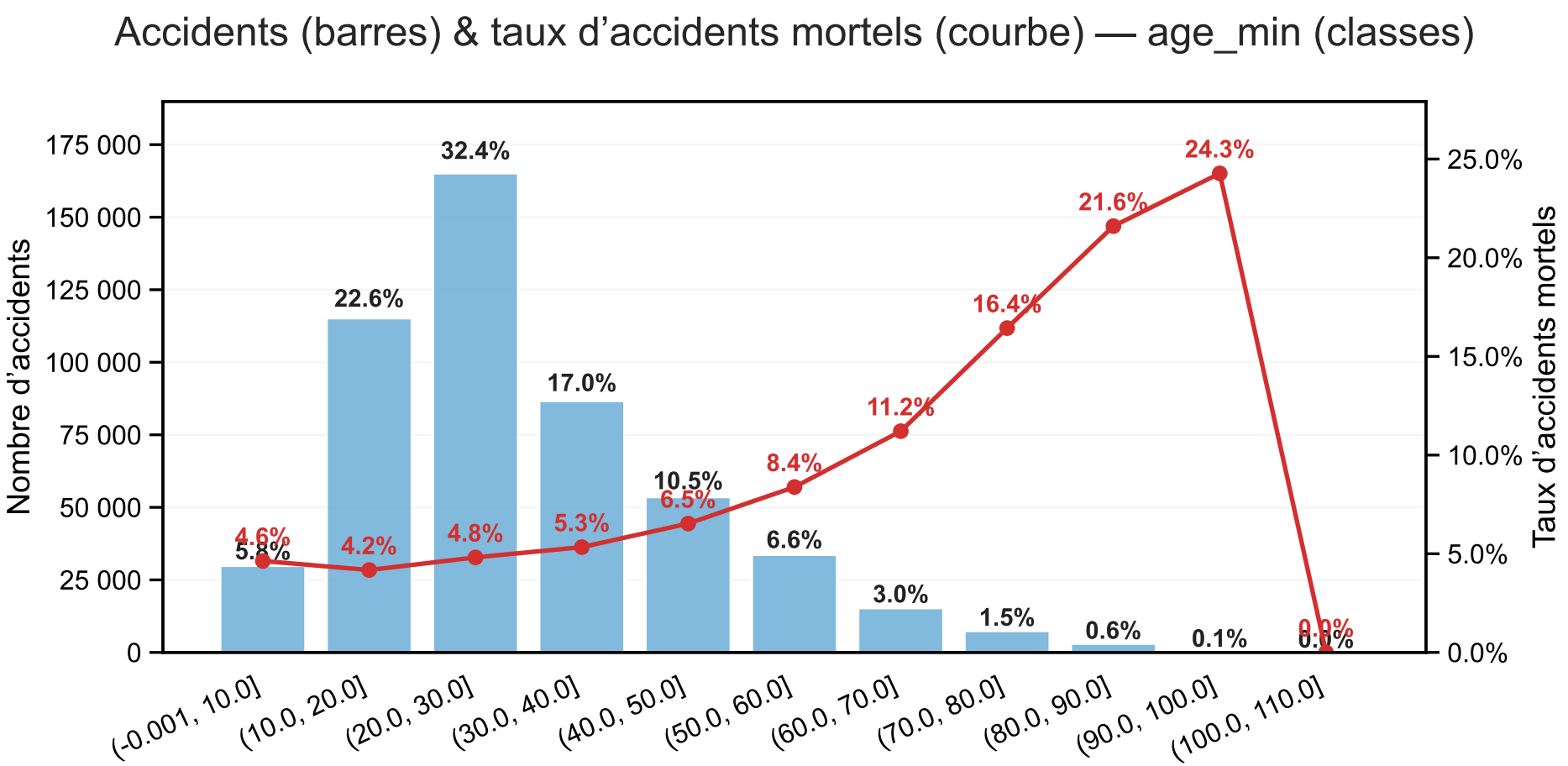

Accidents (barres) & taux d’accidents mortels (courbe) — n_conducteurs (classes)
Nombre d’accidents
Taux d’accidents mortels
300 000
250 000
200 000
150 000
100 000
50 000
0
8.0%
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
39.9%
53.1%
7.1%
7.8%
4.1%
5.4%
1
2
3+

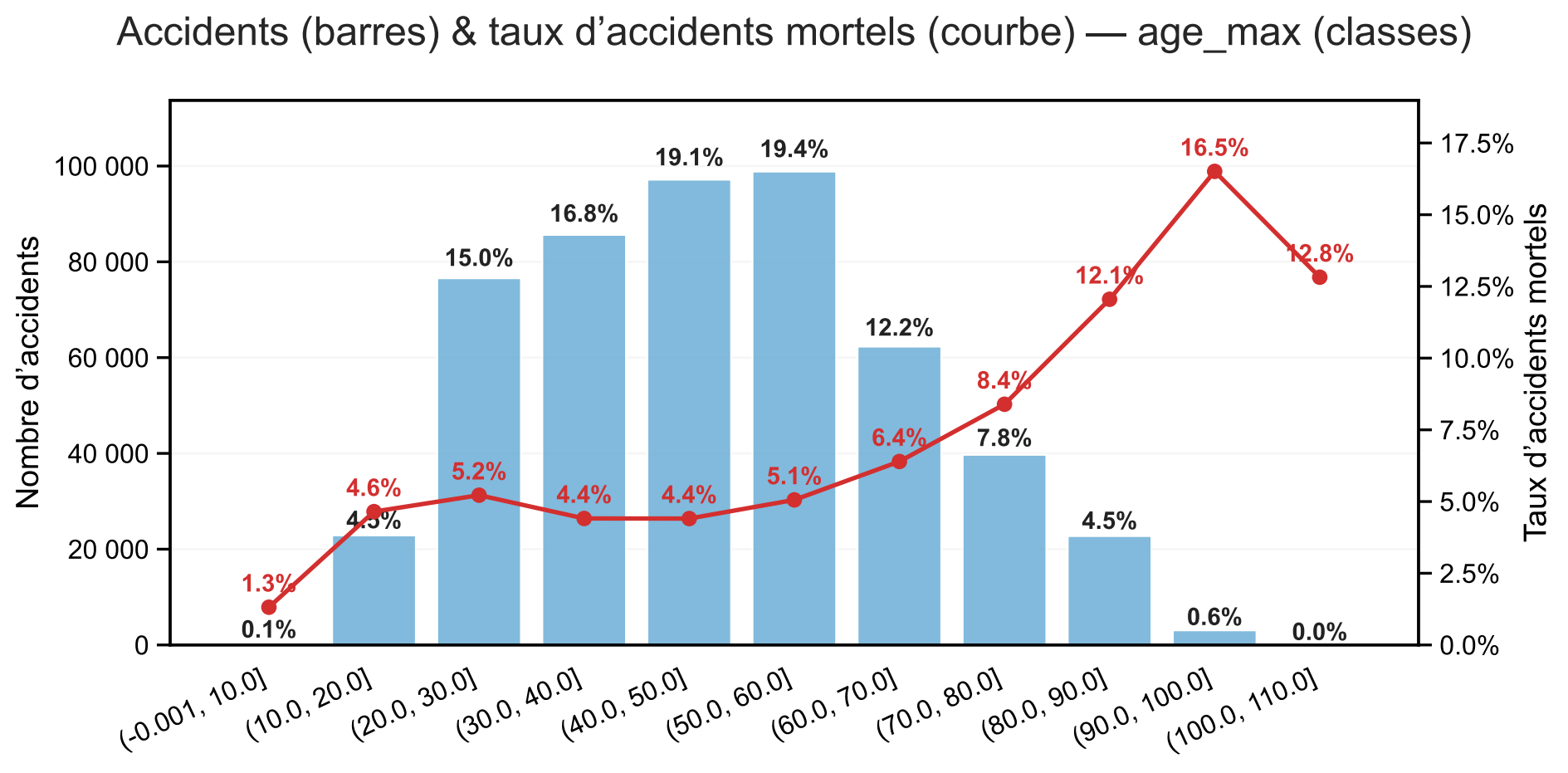

Accidents (barres) & taux d’accidents mortels (courbe) — n_passagers (classes)
Nombre d’accidents
Taux d’accidents mortels
80 000
60 000
40 000
20 000
0
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
65.0%
19.2%
8.9%
4.2%
2.7%
6.3%
7.8%
9.0%
9.9%
11.9%
1
2
3
4
5+

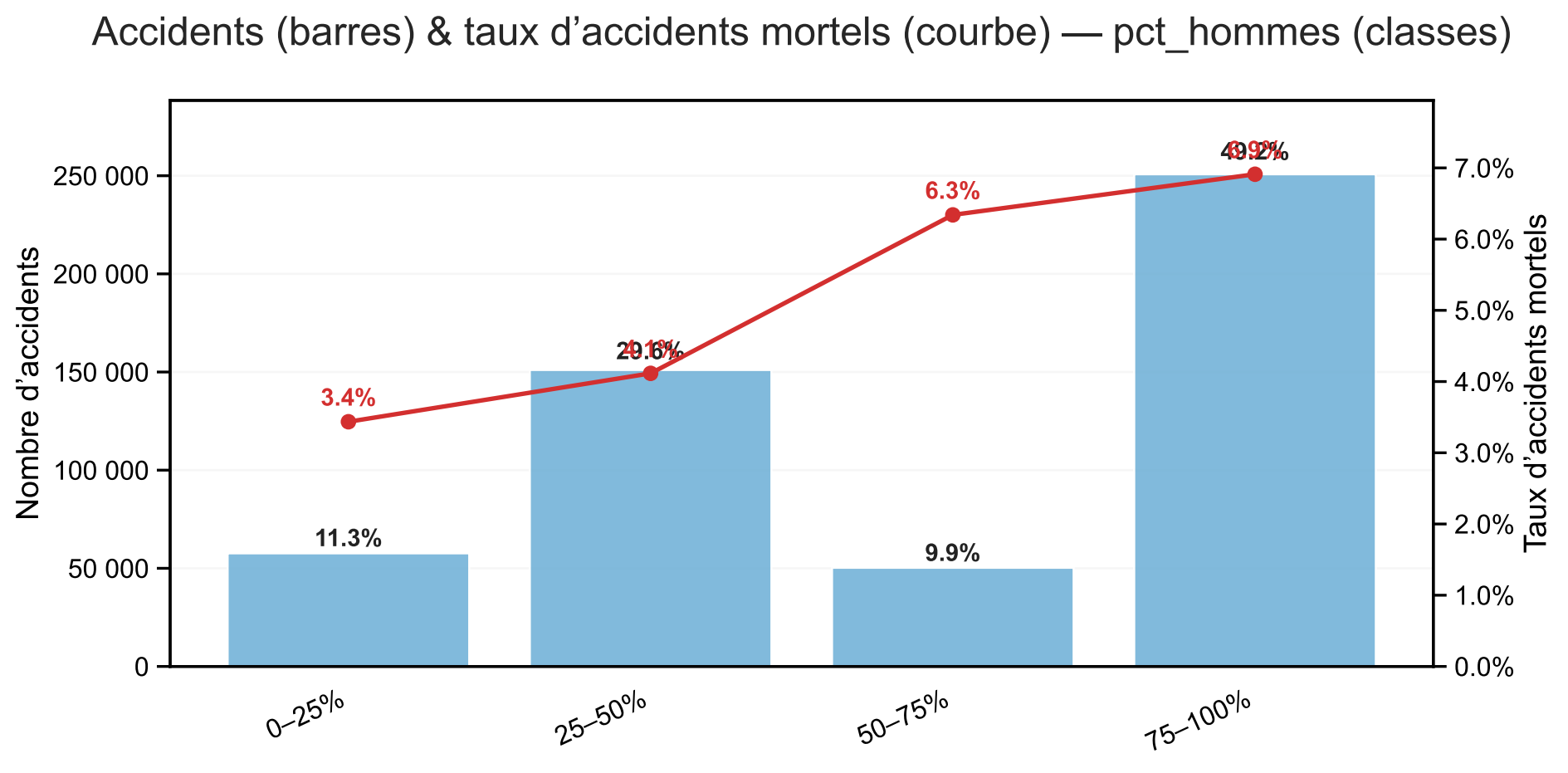

Accidents (barres) & taux d’accidents mortels (courbe) — n_pietons (classes)
Nombre d’accidents
Taux d’accidents mortels
0
20 000
40 000
60 000
80 000
0.0%
2.0%
4.0%
6.0%
8.0%
10.0%
94.3%
4.9%
0.9%
5.1%
6.2%
10.2%
1
2
3+

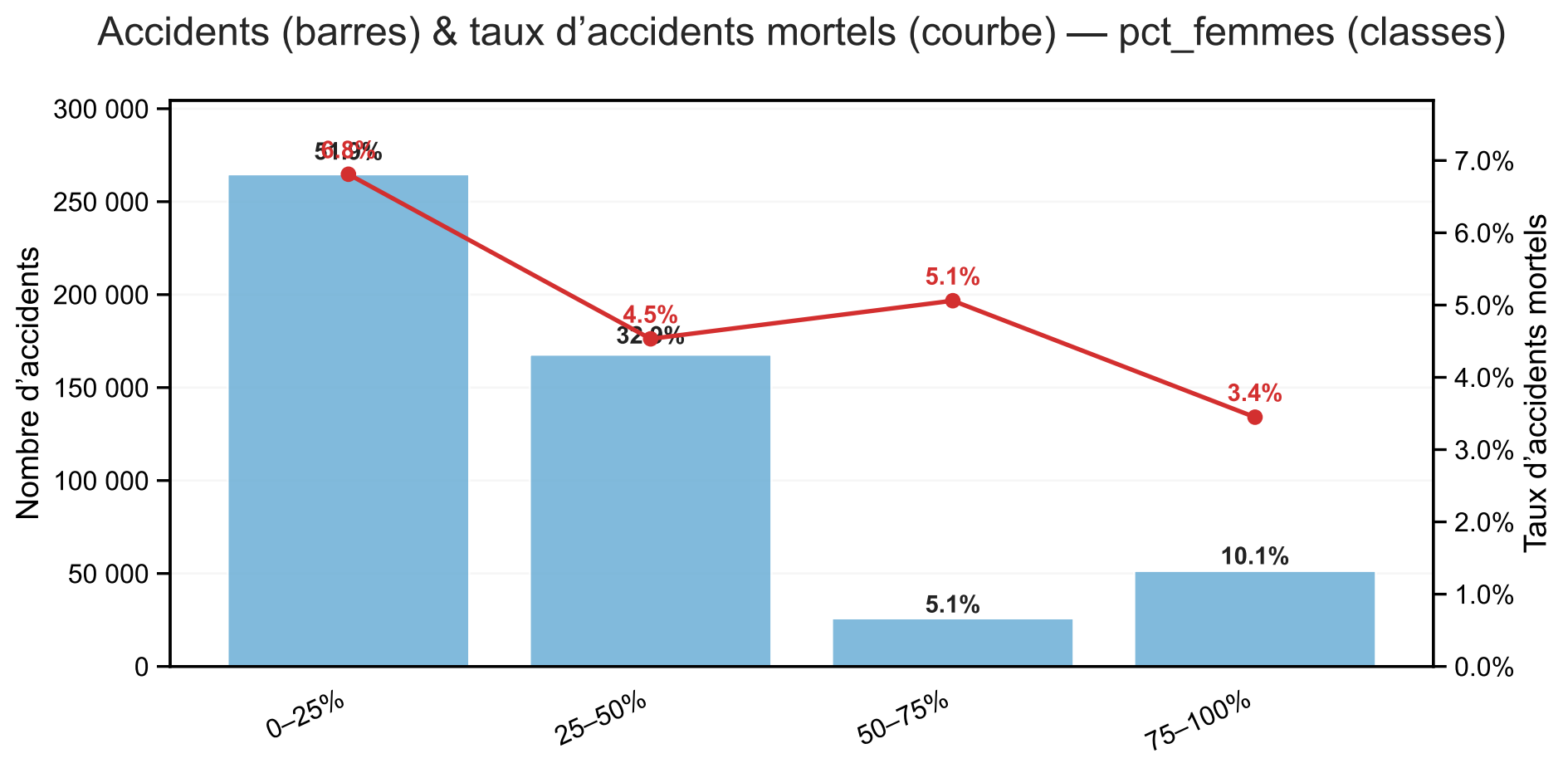

Accidents (barres) & taux d'accidents mortels (courbe) — age_mean (classes)
Nombre d'accidents
Taux d'accidents mortels
140 000
120 000
100 000
80 000
60 000
40 000
20 000
0
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
0.1%
7.0%
24.2%
26.7%
20.6%
12.2%
5.8%
2.5%
0.8%
0.1%
0.0%
1.8%
4.7%
4.7%
4.2%
5.0%
7.3%
10.2%
14.0%
19.4%
24.7%
(-0.001, 10.0]
(10.0, 20.0]
(20.0, 30.0]
(30.0, 40.0]
(40.0, 50.0]
(50.0, 60.0]
(60.0, 70.0]
(70.0, 80.0]
(80.0, 90.0]
(90.0, 100.0]
(100.0, 110.0]

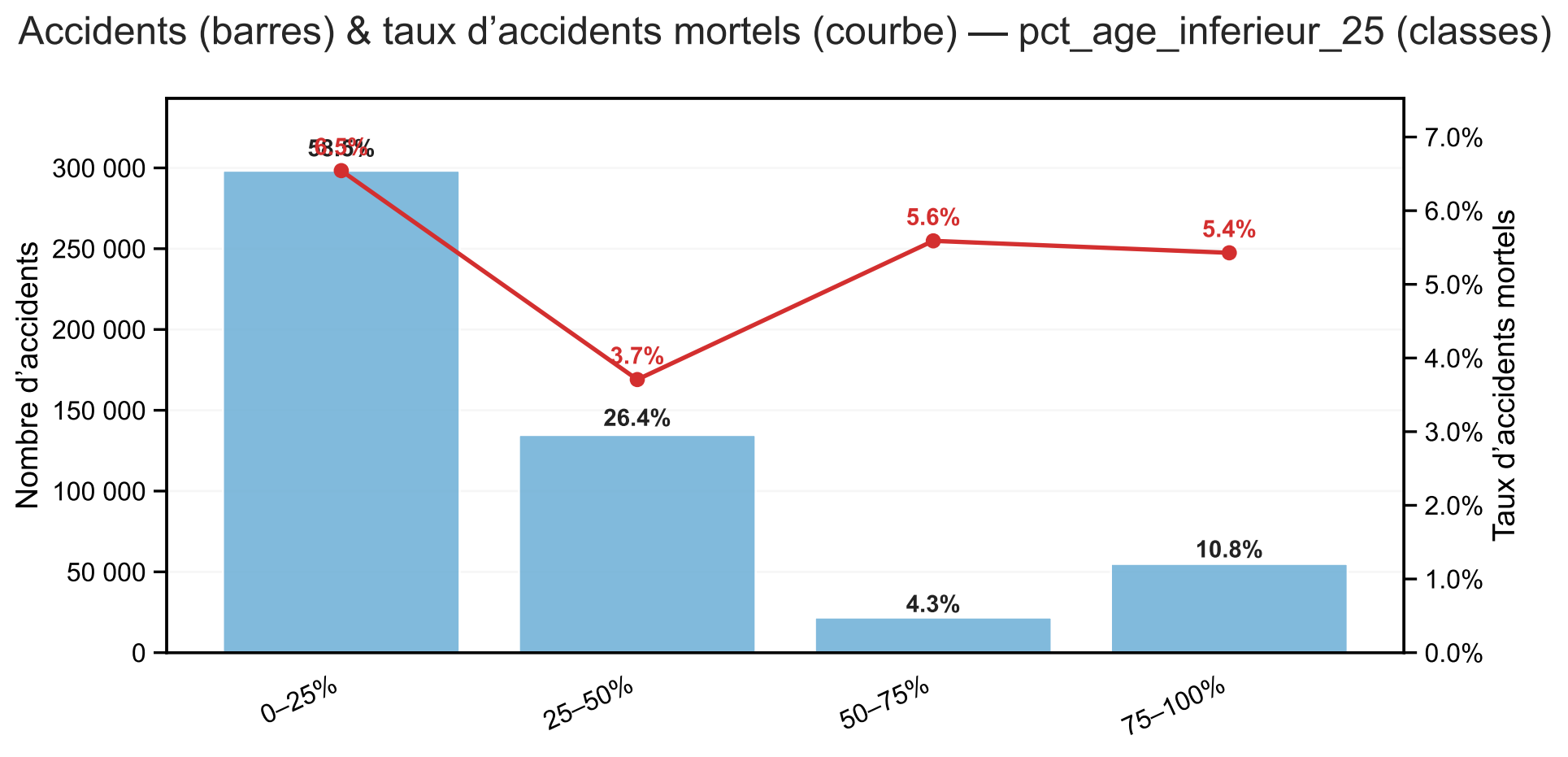

Accidents (barres) & taux d’accidents mortels (courbe) — age_std (classes)
Nombre d’accidents
Taux d’accidents mortels
200 000
175 000
150 000
125 000
100 000
75 000
50 000
25 000
0
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
42.8%
32.7%
17.1%
5.8%
1.5%
0.2%
0.0%
0.0%
0.0%
0.0%
0.0%
4.6%
4.7%
5.4%
5.8%
6.3%
4.3%
(-0.001, 10.0]
(10.0, 20.0]
(20.0, 30.0]
(30.0, 40.0]
(40.0, 50.0]
(50.0, 60.0]
(60.0, 70.0]
(70.0, 80.0]
(80.0, 90.0]
(90.0, 100.0]
(100.0, 110.0]

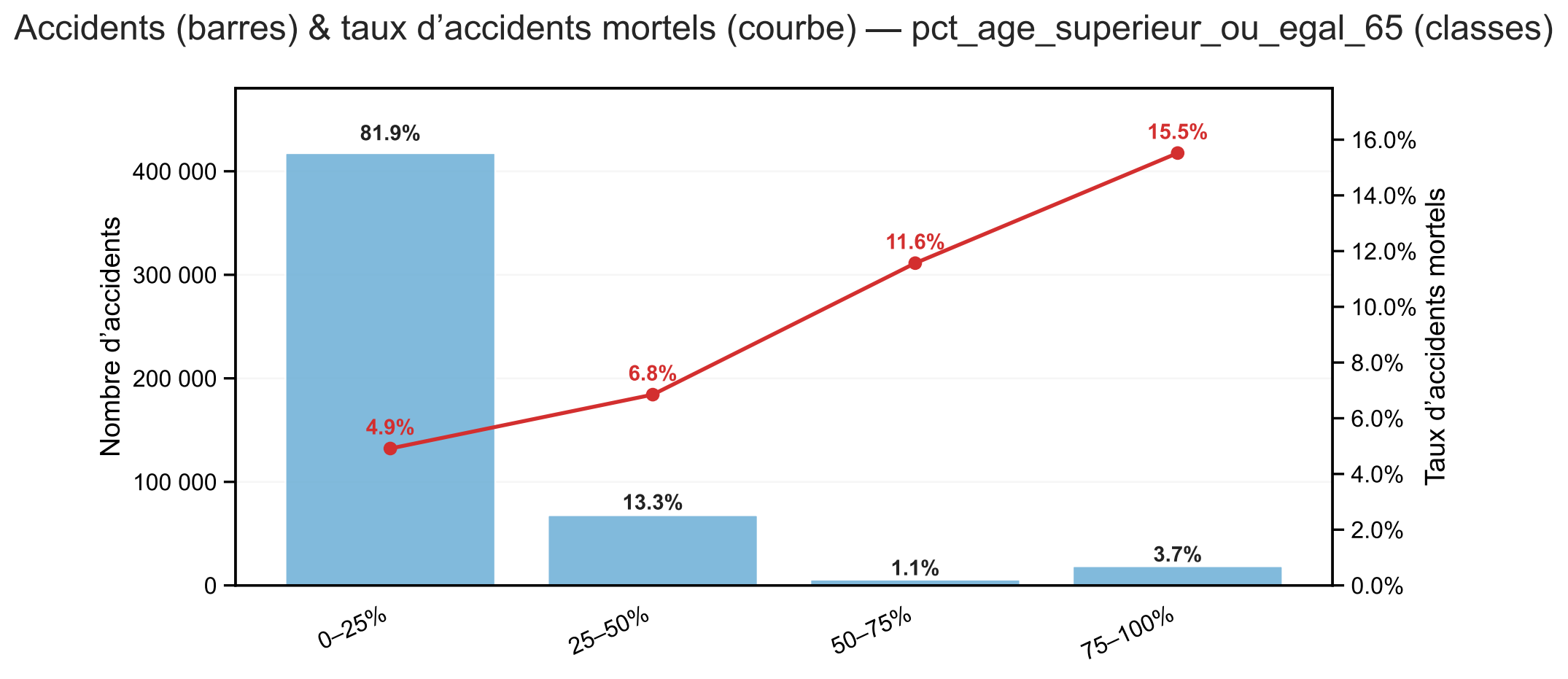

Accidents (barres) & taux d’accidents mortels (courbe) — age_min (classes)
Nombre d’accidents
Taux d’accidents mortels
175 000
150 000
125 000
100 000
75 000
50 000
25 000
0
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
5.8%
22.6%
32.4%
17.0%
10.5%
6.6%
3.0%
1.5%
0.6%
0.1%
0.0%
4.6%
4.2%
4.8%
5.3%
6.5%
8.4%
11.2%
16.4%
21.6%
24.3%
0.0%
(-0.001, 10.0]
(10.0, 20.0]
(20.0, 30.0]
(30.0, 40.0]
(40.0, 50.0]
(50.0, 60.0]
(60.0, 70.0]
(70.0, 80.0]
(80.0, 90.0]
(90.0, 100.0]
(100.0, 110.0]


Accidents (barres) & taux d’accidents mortels (courbe) — age_max (classes)
Nombre d’accidents
Taux d’accidents mortels
100 000
80 000
60 000
40 000
20 000
0
17.5%
15.0%
12.5%
10.0%
7.5%
5.0%
2.5%
0.0%
0.1%
4.5%
15.0%
16.8%
19.1%
19.4%
12.2%
7.8%
4.5%
0.6%
0.0%
1.3%
4.6%
5.2%
4.4%
4.4%
5.1%
6.4%
8.4%
12.1%
16.5%
12.8%
(-0.001, 10.0]
(10.0, 20.0]
(20.0, 30.0]
(30.0, 40.0]
(40.0, 50.0]
(50.0, 60.0]
(60.0, 70.0]
(70.0, 80.0]
(80.0, 90.0]
(90.0, 100.0]
(100.0, 110.0]


Accidents (barres) & taux d’accidents mortels (courbe) — pct_hommes (classes)
Nombre d’accidents
Taux d’accidents mortels
250 000
200 000
150 000
100 000
50 000
0
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
3.4%
6.3%
11.3%
9.9%
0–25%
25–50%
50–75%
75–100%

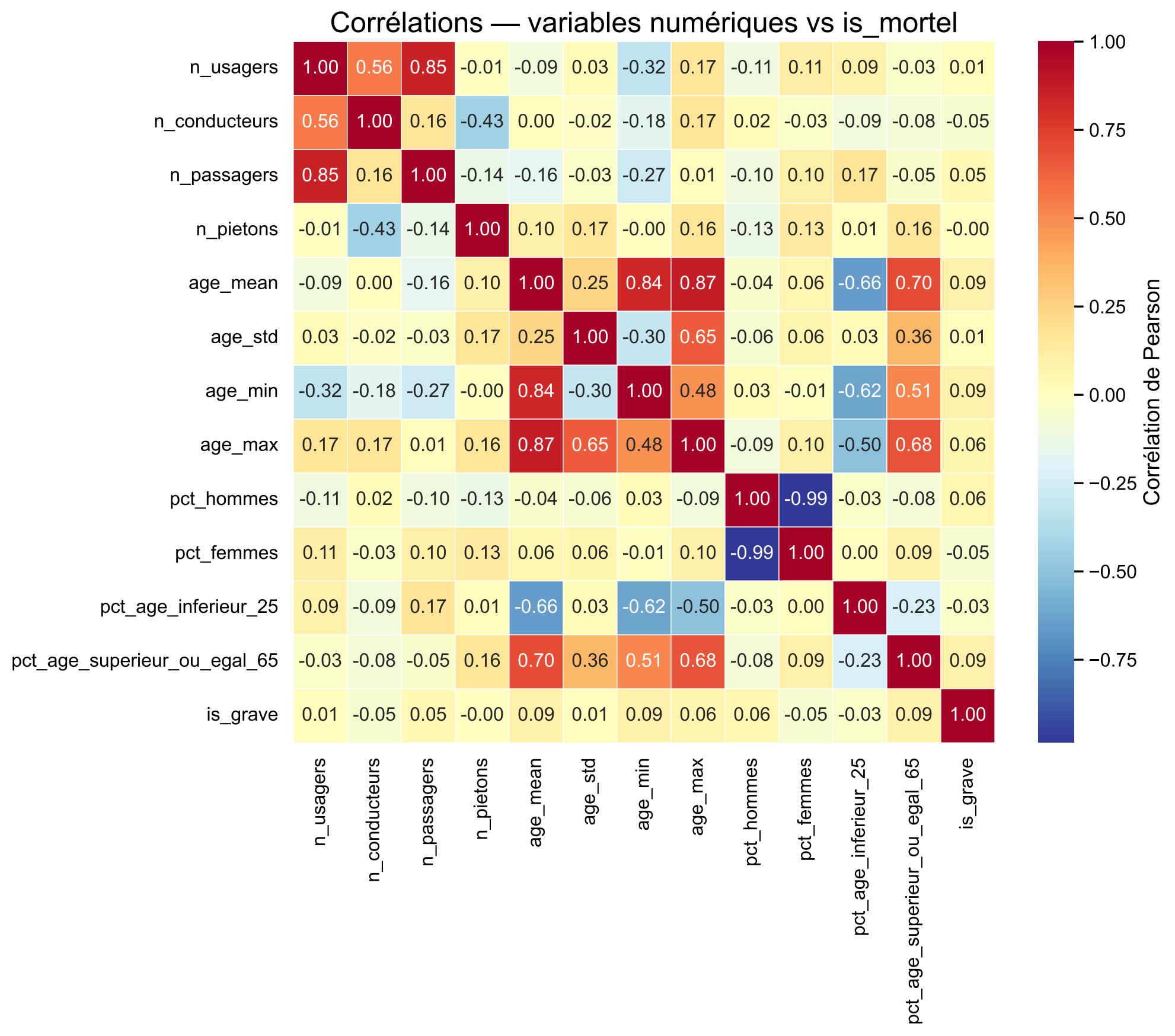

Accidents (barres) & taux d’accidents mortels (courbe) — pct_femmes (classes)
Nombre d’accidents
Taux d’accidents mortels
300 000
250 000
200 000
150 000
100 000
50 000
0
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
6.8%
4.5%
5.1%
3.4%
10.1%
5.1%
0–25%
25–50%
50–75%
75–100%


Accidents (barres) & taux d’accidents mortels (courbe) — pct_age_inferieur_25 (classes)
Nombre d’accidents
Taux d’accidents mortels
300 000
250 000
200 000
150 000
100 000
50 000
0
7.0%
6.0%
5.0%
4.0%
3.0%
2.0%
1.0%
0.0%
58.5%
3.7%
5.6%
5.4%
26.4%
4.3%
10.8%
0–25%
25–50%
50–75%
75–100%


Accidents (barres) & taux d’accidents mortels (courbe) — pct_age_superieur_ou_egal_65 (classes)
Nombre d’accidents
Taux d’accidents mortels
400 000
300 000
200 000
100 000
0
16.0%
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
81.9%
13.3%
1.1%
3.7%
4.9%
6.8%
11.6%
15.5%
0–25%
25–50%
50–75%
75–100%

Corrélations (Cramér’s V) — Catégorielles vs is_mortel

Variable catégorielle	Cramér’s V vs is_mortel
agg	0.162
catr	0.139
col	0.129
lum	0.122
situ	0.106
int	0.086
circ	0.085
nbv	0.074
heure_h	0.074
plan	0.074
prof	0.049
atm	0.039
weekday	0.037
infra	0.035
vosp	0.032
surf	0.017
mois	0.016
an	0.007
jour	0.002


Corrélations — variables numériques vs is_mortel
n_usagers 1.00 0.56 0.85 -0.01 -0.09 0.03 -0.32 0.17 -0.11 0.11 0.09 -0.03 0.01
n_conducteurs 0.56 1.00 0.16 -0.43 0.00 -0.02 -0.18 0.17 0.02 -0.03 -0.09 -0.08 -0.05
n_passagers 0.85 0.16 1.00 -0.14 -0.16 -0.03 -0.27 0.01 -0.10 0.10 0.17 -0.05 0.05
n_pietons -0.01 -0.43 -0.14 1.00 0.10 0.17 -0.00 0.16 -0.13 0.13 0.01 0.16 -0.00
age_mean -0.09 0.00 -0.16 0.10 1.00 0.25 0.84 0.87 -0.04 0.06 -0.66 0.70 0.09
age_std 0.03 -0.02 -0.03 0.17 0.25 1.00 -0.30 0.65 -0.06 0.06 0.03 0.36 0.01
age_min -0.32 -0.18 -0.27 -0.00 0.84 -0.30 1.00 0.48 0.03 -0.01 -0.62 0.51 0.09
age_max 0.17 0.17 0.01 0.16 0.87 0.65 0.48 1.00 -0.09 0.10 -0.50 0.68 0.06
pct_hommes -0.11 0.02 -0.10 -0.13 -0.04 -0.06 0.03 -0.09 1.00 -0.99 -0.03 -0.08 0.06
pct_femmes 0.11 -0.03 0.10 0.13 0.06 0.06 -0.01 0.10 -0.99 1.00 0.00 0.09 -0.05
pct_age_inferieur_25 0.09 -0.09 0.17 0.01 -0.66 0.03 -0.62 -0.50 -0.03 0.00 1.00 -0.23 -0.03
pct_age_superieur_ou_egal_65 -0.03 -0.08 -0.05 0.16 0.70 0.36 0.51 0.68 -0.08 0.09 -0.23 1.00 0.09
is_grave 0.01 -0.05 0.05 -0.00 0.09 0.01 0.09 0.06 0.06 -0.05 -0.03 0.09 1.00
n_usagers
n_conducteurs
n_passagers
n_pietons
age_mean
age_std
age_min
age_max
pct_hommes
pct_femmes
pct_age_inferieur_25
pct_age_superieur_ou_egal_65
is_grave
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
Corrélation de Pearson

Top corrélations vs is_mortel — (Spearman, numériques)

Variable numérique	Spearman vs is_mortel
pct_age_superieur_ou_egal_65	0.075
age_min	0.069
age_mean	0.068
pct_hommes	0.059
age_max	0.056
n_passagers	0.040
age_std	0.012
n_pietons	-0.008
n_usagers	-0.024
pct_age_inferieur_25	-0.040