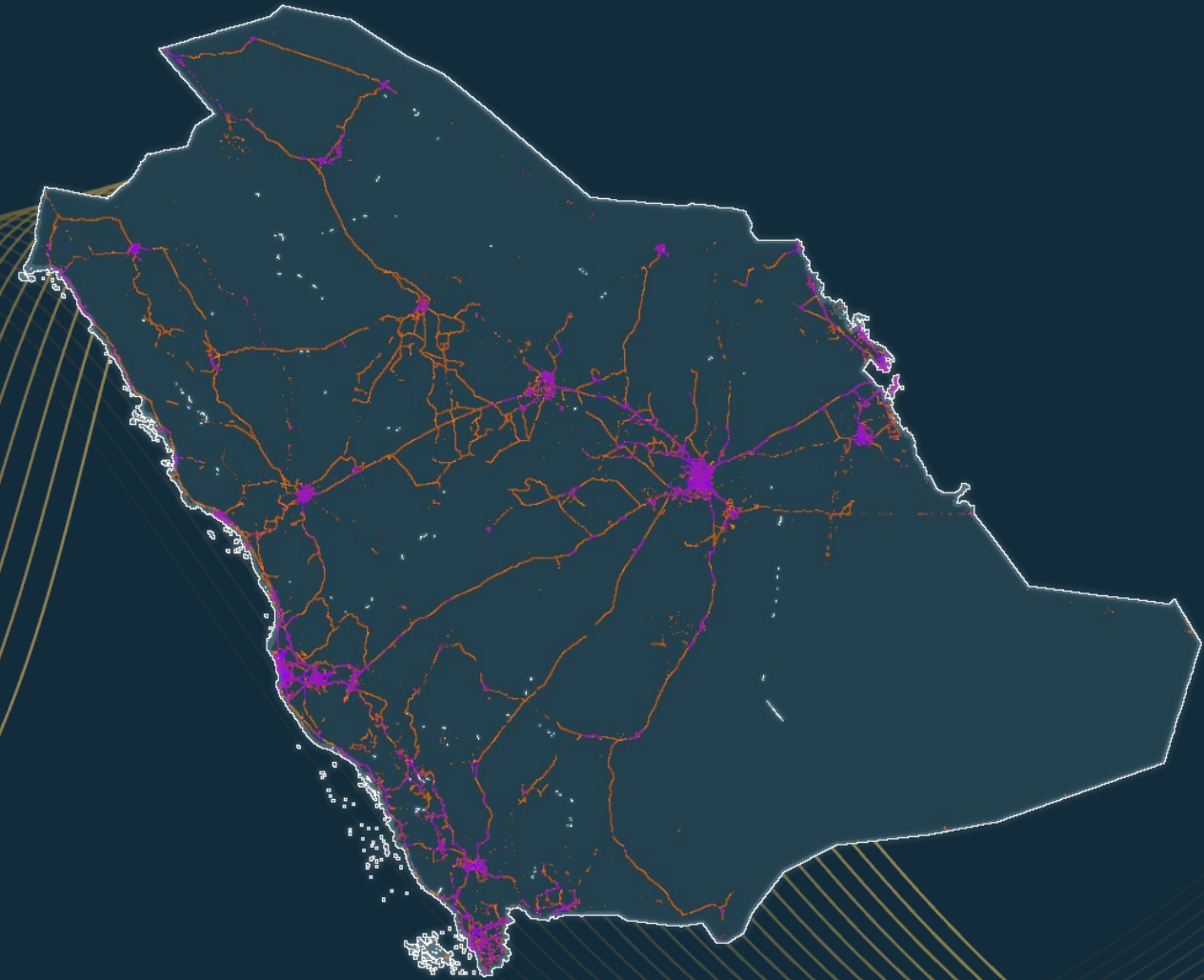




Barometer of mobile coverage in Saudi Arabia

4G/5G

09/01/2025 - 08/31/2026



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1. Introducing nPerf



An independent authority in network performance

nPerf is an independent French Internet performance measurement platform, powered by real user experience. By turning millions of individual measurements into connectivity insights, nPerf helps operators enhance their networks and contributes to building a faster, more reliable Internet for everyone.

 **300k+** tests daily worldwide.

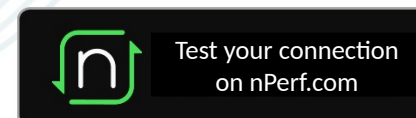
 **26Md+** coverage scans in total.

 **3k+** servers all around the world.

A comprehensive suite of tools to measure real-world connectivity

nPerf provides a complete ecosystem of complete measurement tools designed to capture the true quality of fixed, mobile, and Wi-Fi connections with precision, reaching speeds of up to 10 Gbps.

Users test. Operators learn. Everyone benefits.



2. Methodology (1/2) — Measuring coverage in the field



A field study, not a simulation

Mobile operators publish coverage maps computed from radio-propagation models. This barometer contains no modelling: every figure comes from measurements recorded in the field by real users, in real conditions of use — outdoors, indoors, in a car or on a train. It complements the operators' theoretical maps; it does not replace them.

A crowdsourced panel

Measurements are collected by the nPerf mobile application, on Android only: Apple does not open the signal-strength APIs to developers. The application records the signal level reported by the handset every time the device's position is requested by the operating system or by another installed application — maps, navigation, games — and throughout the active mapping sessions users can start themselves. Each record is time-stamped and geolocated to within 20 metres. Anyone can join the panel simply by installing the nPerf app.

Which measurements are kept

- Each measurement is attributed to the network that actually serves the handset, identified by its MCC/MNC codes.
- Measurements reporting no signal at all are kept — the absence of coverage is a result in its own right.
- A country is published only when the volume of measurements and the share of its inhabited territory actually surveyed are sufficient.

Which ISPs are kept

- Only ISPs operating their own network are included; MVNOs are excluded.
- An ISP is published only when its share of measurements is sufficient to be reliably represented in this report.

2. Methodology (2/2) — From measurements to a coverage rate



A grid of parcels

The territory is divided into a regular grid. Each parcel is roughly 400 to 600 m on a side depending on latitude — about 425 m at the latitude of France. A parcel is taken into account for an operator as soon as one of that operator's users has recorded at least one measurement inside it, with or without signal.

Each operator is measured on its own customers' data

This is the cornerstone of the method: an operator's coverage rate is computed from **the measurements collected by its own subscribers, not from those of all operators combined**. The reference perimeter — the denominator of the rate — is therefore specific to each operator: it consists of the parcels its own customers actually visited. Every operator is assessed precisely where its own customer base lives, works and travels.

Technologies are nested

A parcel counts as covered by a technology as soon as at least one measurement of that technology — or of a higher generation — was recorded in it. **3G coverage** is therefore the area where at least 3G is available, **4G coverage** the area where at least 4G is available, and **5G coverage** the area where 5G is available.

Three indicators

- **Geographical Coverage** — the share of the operator's reference parcels in which the technology was recorded. Every parcel carries the same weight, whatever its population.
- **In mobility Pop. Coverage** — the same parcels, each weighted by the number of distinct nPerf devices observed in it. The weighting reflects where users actually are, rather than the number of inhabitants declared per municipality: busy roads and city centres therefore weigh more than sparsely travelled areas.
- **nPerf Coverage Score** — the average of the two indicators above, in equal parts. The higher the score, the better the coverage.

Regional results

Regional figures follow exactly the same method, restricted to the parcels located inside each region's official administrative boundaries.

Reading the 5G figures

All the frequency bands used by each operator are taken into account. Low bands (700 MHz) reach further than mid (2,100 MHz) and high (3,500 MHz) bands but deliver lower speeds: coverage figures should be read alongside the speed results of the nPerf mobile barometer.

3. Executive Summary 4G



The subscribers of Mobily enjoyed the best 4G coverage in 2026 in Saudi Arabia.

Mobile coverage rate in Saudi Arabia			
	Mobily	stc	Zain
Geographical Coverage Rate	92.89	91.31	77.69
Population Coverage Rate	96.96	96.76	88.52
nPerf Coverage Score	94.92	94.03	83.11

Source : nPerf.com



Best Mobile coverage in Saudi Arabia



Source : nPerf.com

nPerf Podium



Source : nPerf.com

4. National 4G coverage maps

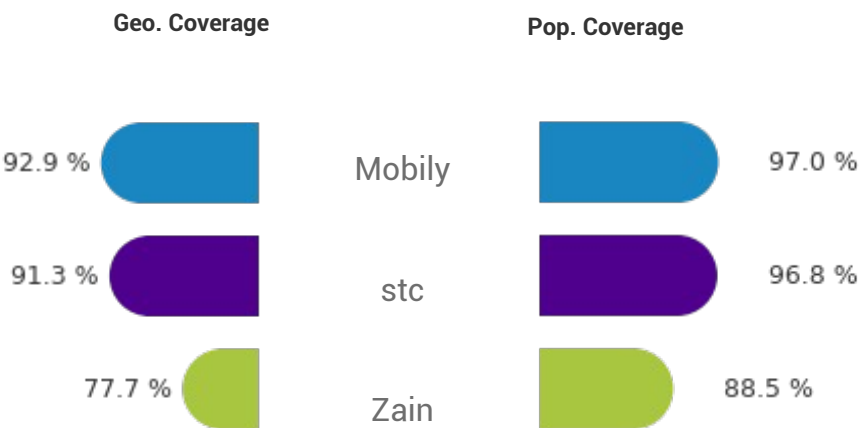


nPerf Coverage Score



Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage



Mobily

Geographical Coverage Rate (%) 92.89

Population Coverage Rate (%) 96.96

nPerf Coverage Score (%) 94.92



Zain

Geographical Coverage Rate (%) 77.69

Population Coverage Rate (%) 88.52

nPerf Coverage Score (%) 83.11

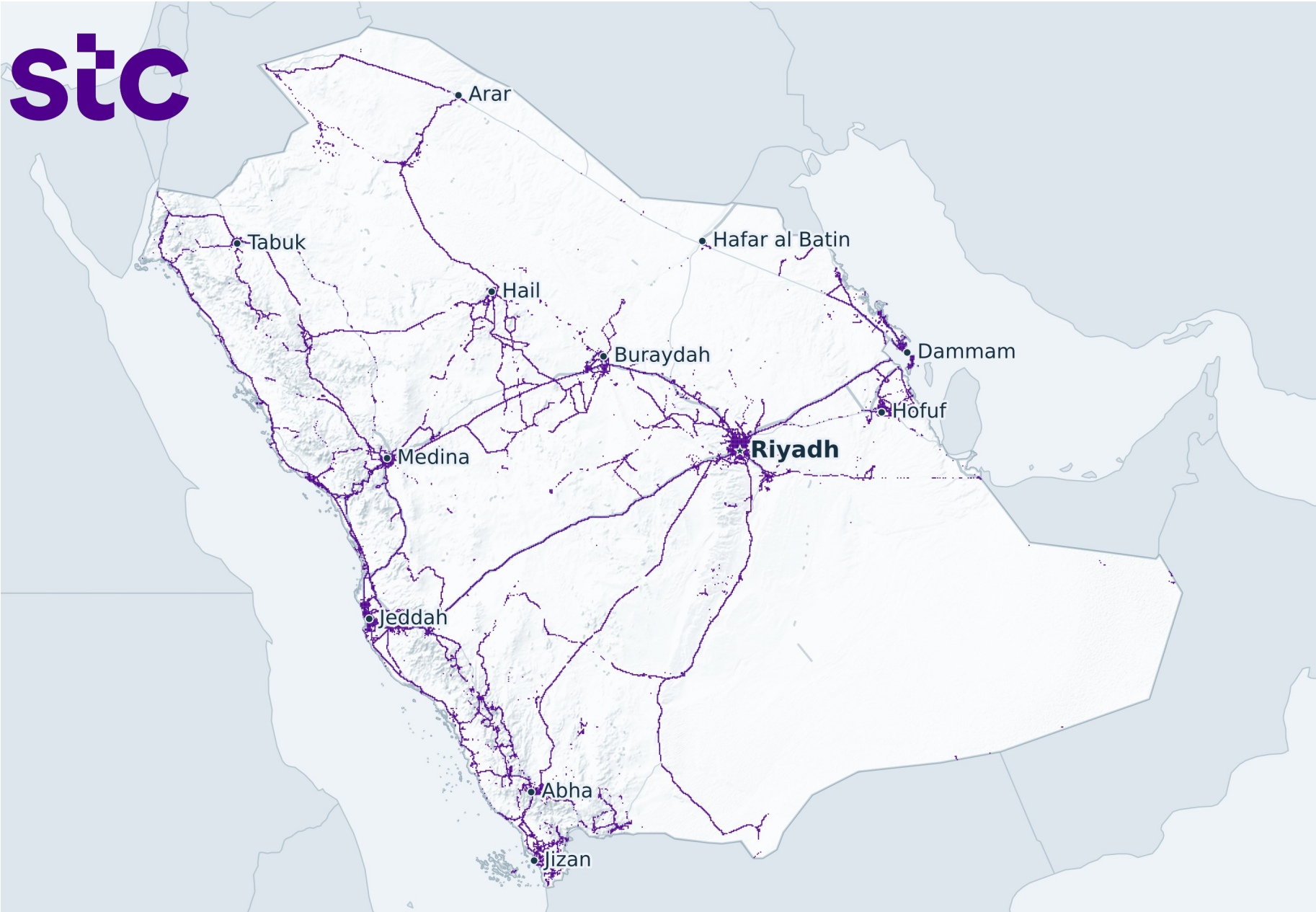


stc

Geographical Coverage Rate (%) 91.31

Population Coverage Rate (%) 96.76

nPerf Coverage Score (%) 94.03



5. Executive Summary 5G



The subscribers of Mobily enjoyed the best 5G coverage in 2026 in Saudi Arabia.

Mobile coverage rate in Saudi Arabia			
	Mobily	stc	Zain
Geographical Coverage Rate	58.47	49.15	42.79
Population Coverage Rate	75.99	71.44	64.80
nPerf Coverage Score	67.23	60.30	53.79

Source : nPerf.com



Best Mobile coverage in Saudi Arabia



Source : nPerf.com

nPerf Podium



Source : nPerf.com

6. National 5G coverage maps

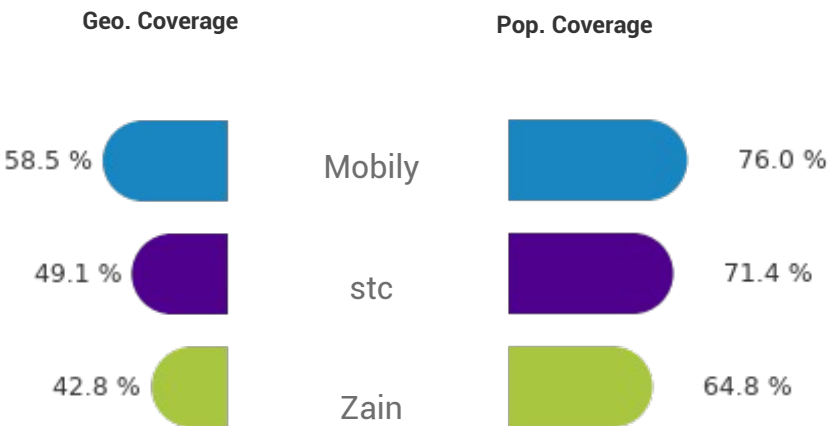


nPerf Coverage Score



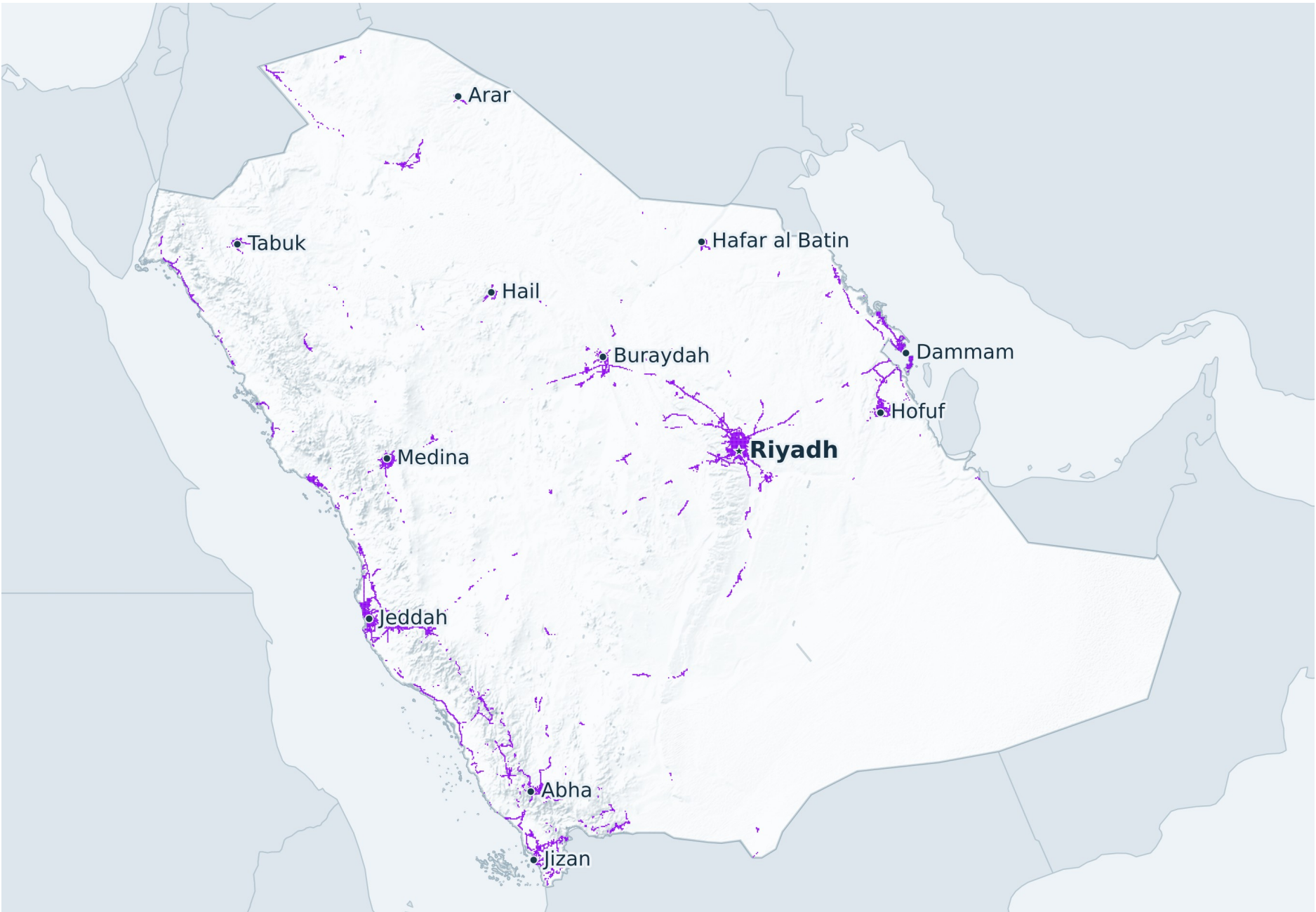
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage



Mobily

Geographical Coverage Rate (%) 58.47

Population Coverage Rate (%) 75.99

nPerf Coverage Score (%) 67.23



National 5G coverage maps for Zain

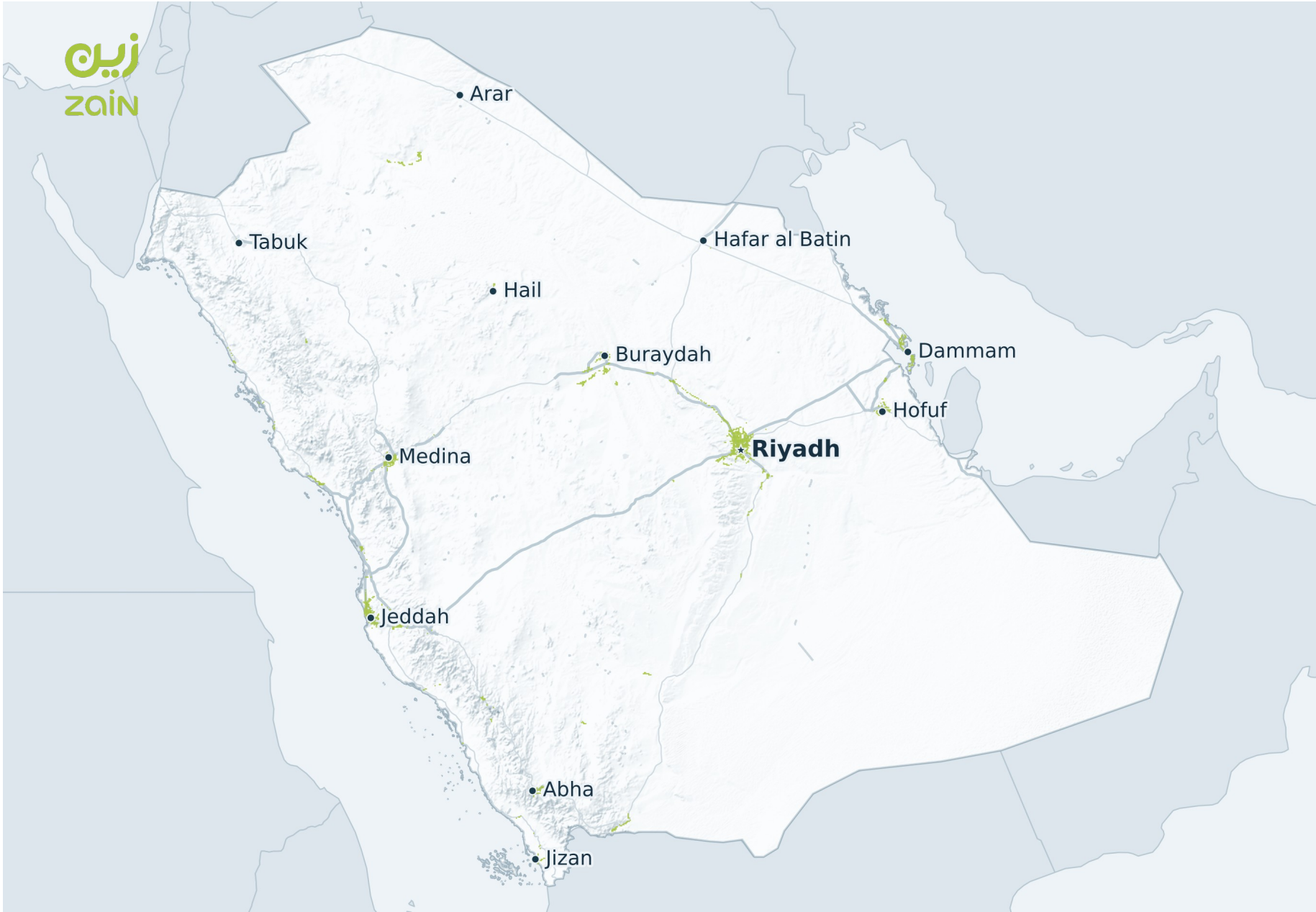


Zain

Geographical Coverage Rate (%) 42.79

Population Coverage Rate (%) 64.80

nPerf Coverage Score (%) 53.79

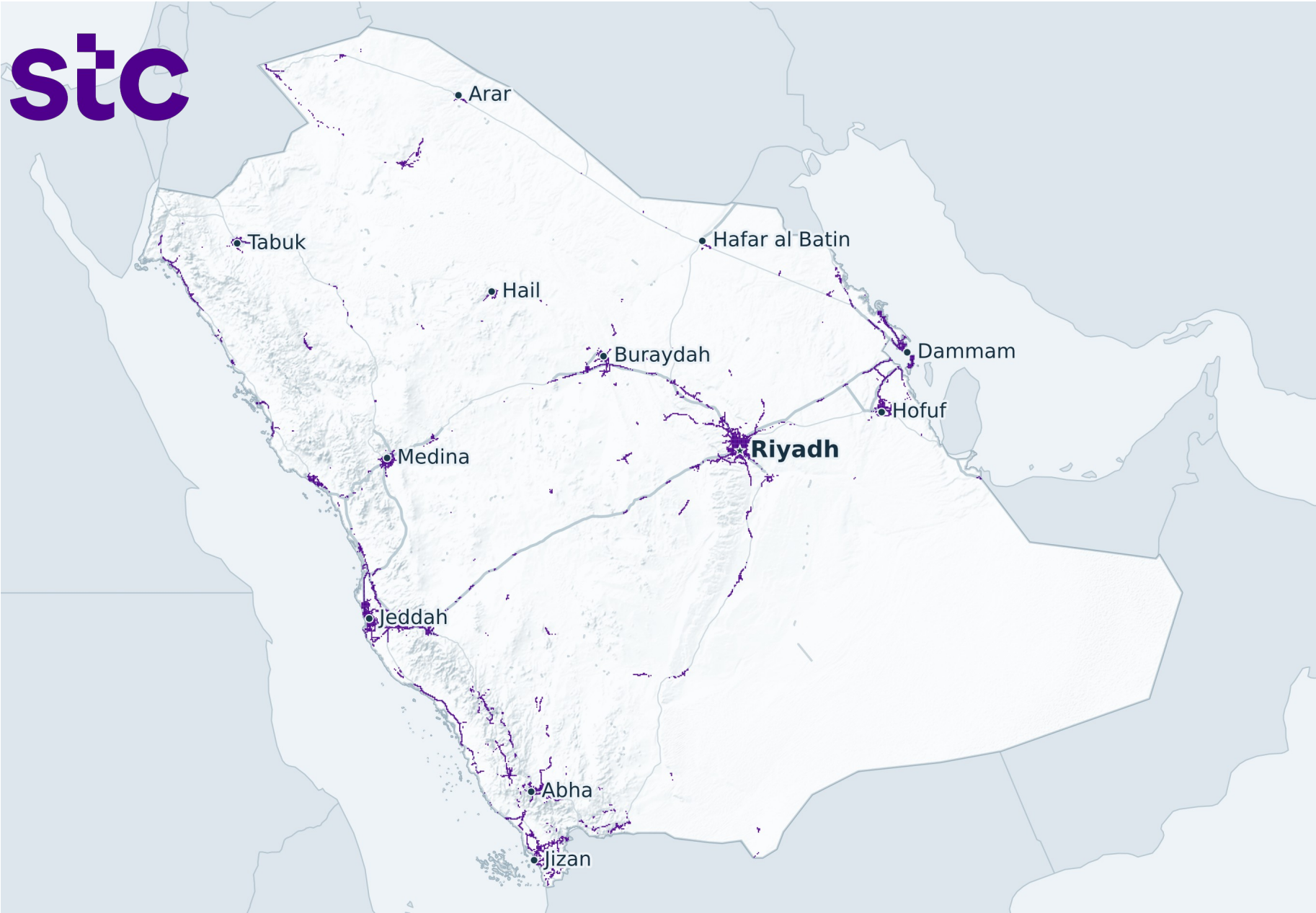


stc

Geographical Coverage Rate (%) 49.15

Population Coverage Rate (%) 71.44

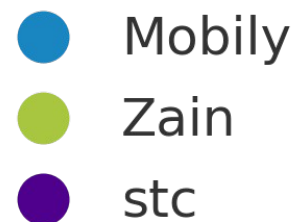
nPerf Coverage Score (%) 60.30



7. Regional 4G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
ArRiyad	1 593 144	33 250	55% 25% 19%
Makkah	1 563 422	29 516	40% 52% 8%
AlMadinah	884 771	17 084	54% 34% 13%
Ash-Sharqīyah	506 181	10 738	66% 30%
AlQassim	207 396	8 026	66% 18% 16%
Jizan	178 342	3 477	70% 27%
Ha'il	174 933	6 559	68% 31%
'Asir	167 872	4 891	70% 24%
Tabuk	130 512	4 775	95%
AlJawf	78 119	2 622	59% 27% 14%
AlHududashShamaliyah	63 218	1 039	83% 17%
Najran	43 359	1 633	58% 11% 31%
AlBahah	16 098	812	90% 7%



Regional 4G coverage

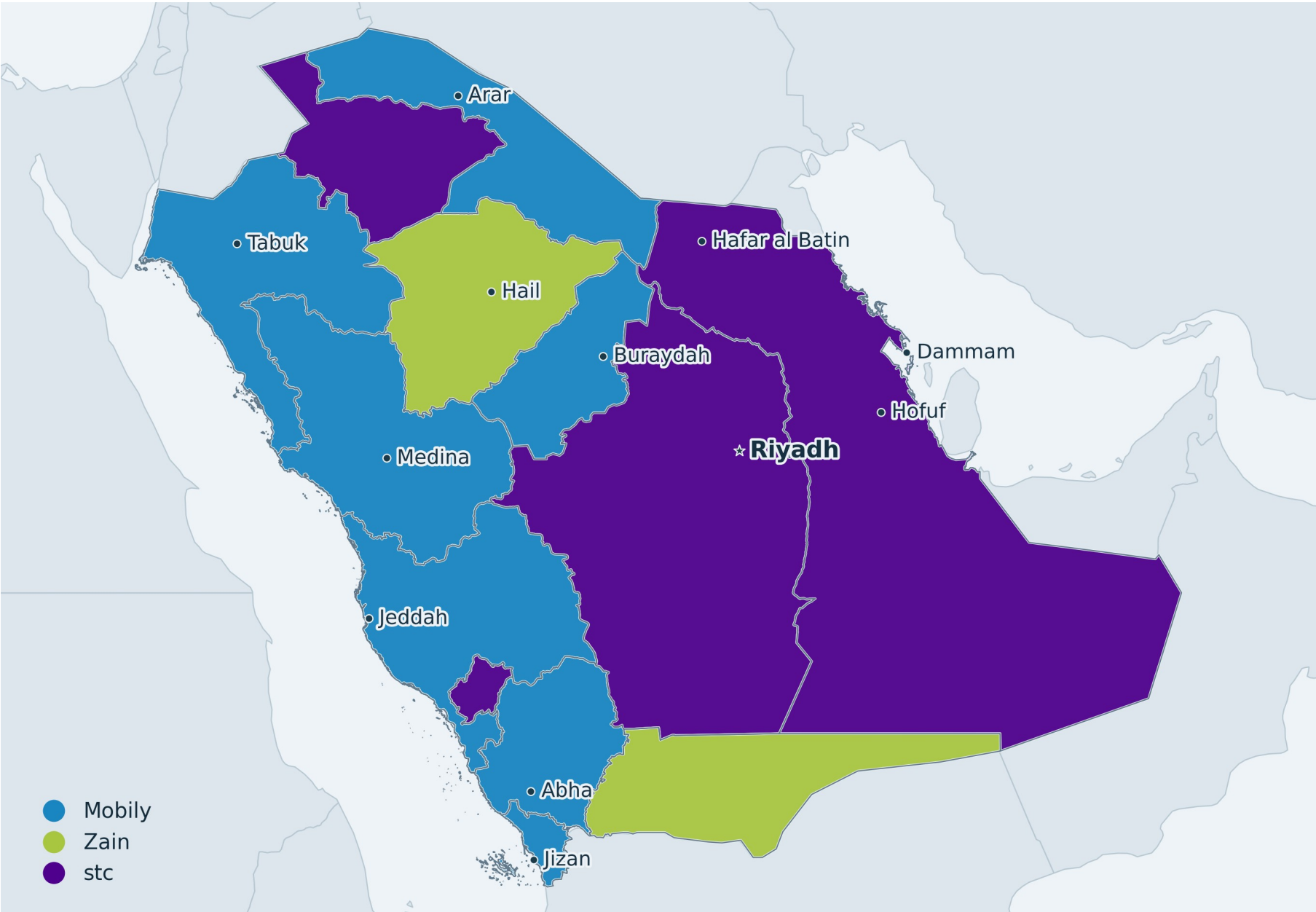


nPerf Coverage Score



Source : nPerf.com

Regional Winner



Source : nPerf.com

4G coverage — 'Asir



Geographical Coverage

94,89 %

In mobility Pop. Coverage

97,39 %

nPerf Coverage Score

96,14 %



Geographical Coverage

70,25 %

In mobility Pop. Coverage

79,81 %

nPerf Coverage Score

75,03 %



Geographical Coverage

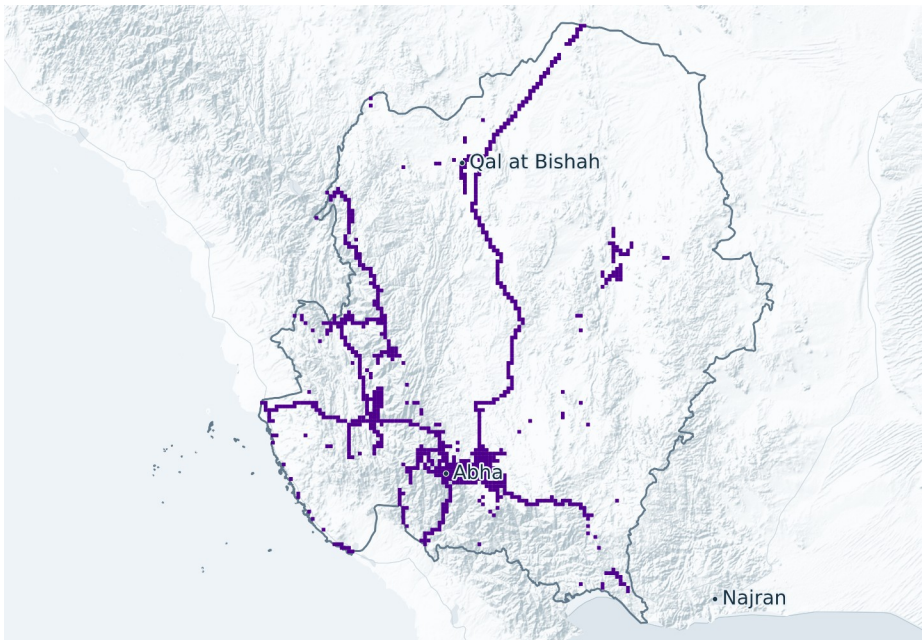
84,16 %

In mobility Pop. Coverage

91,53 %

nPerf Coverage Score

87,85 %



4G coverage — AlJawf



Geographical Coverage

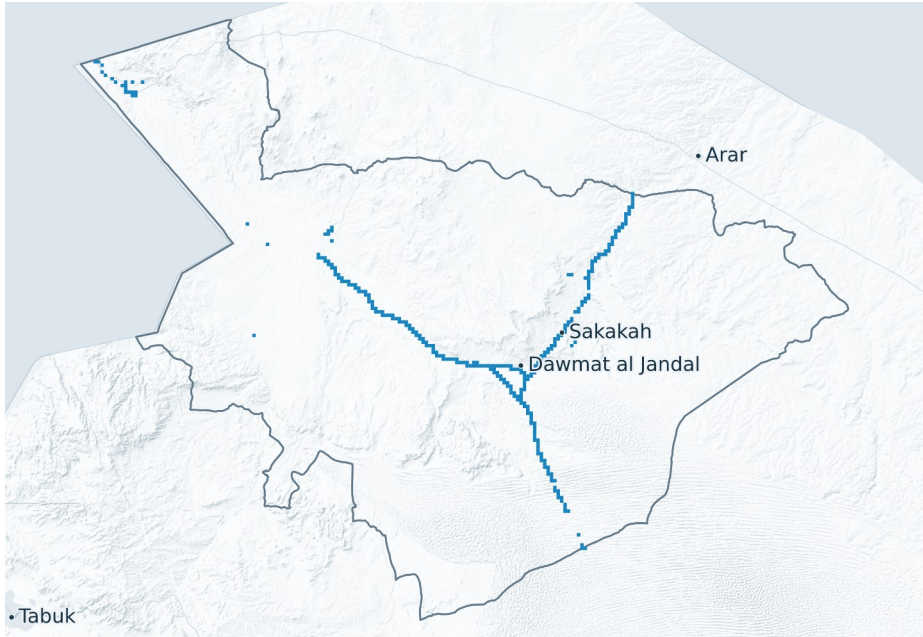
91,79 %

In mobility Pop. Coverage

91,16 %

nPerf Coverage Score

91,47 %



Geographical Coverage

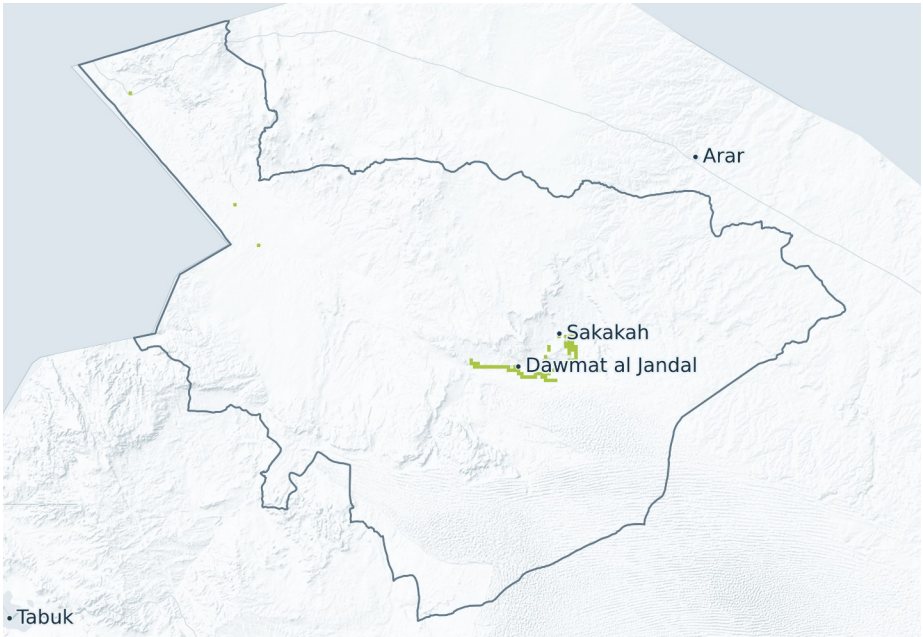
78,70 %

In mobility Pop. Coverage

73,76 %

nPerf Coverage Score

76,23 %



Geographical Coverage

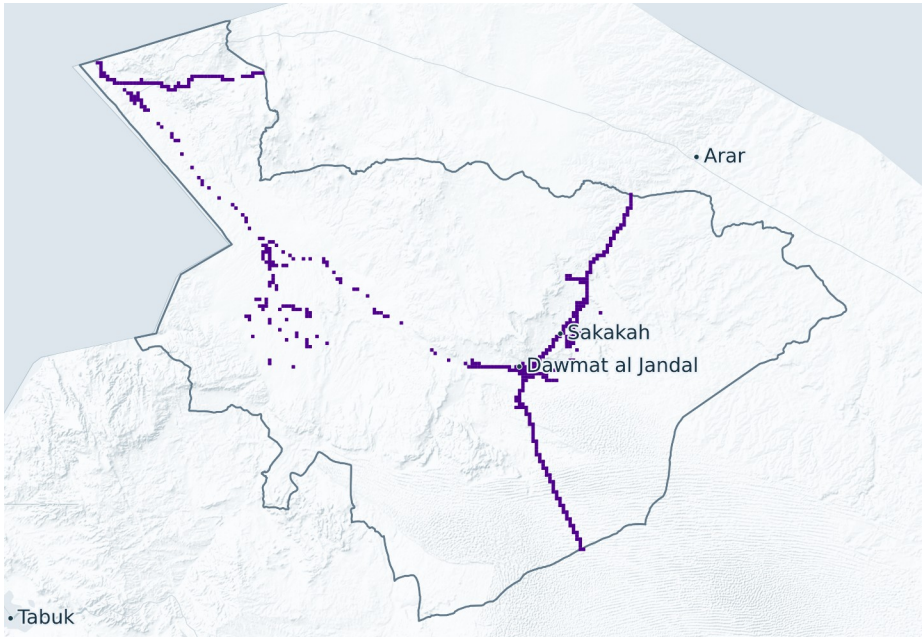
90,10 %

In mobility Pop. Coverage

93,62 %

nPerf Coverage Score

91,86 %



4G coverage — AlMadinah



Geographical Coverage

96,41 %

In mobility Pop. Coverage

98,40 %

nPerf Coverage Score

97,41 %



Geographical Coverage

83,26 %

In mobility Pop. Coverage

84,70 %

nPerf Coverage Score

83,98 %



Geographical Coverage

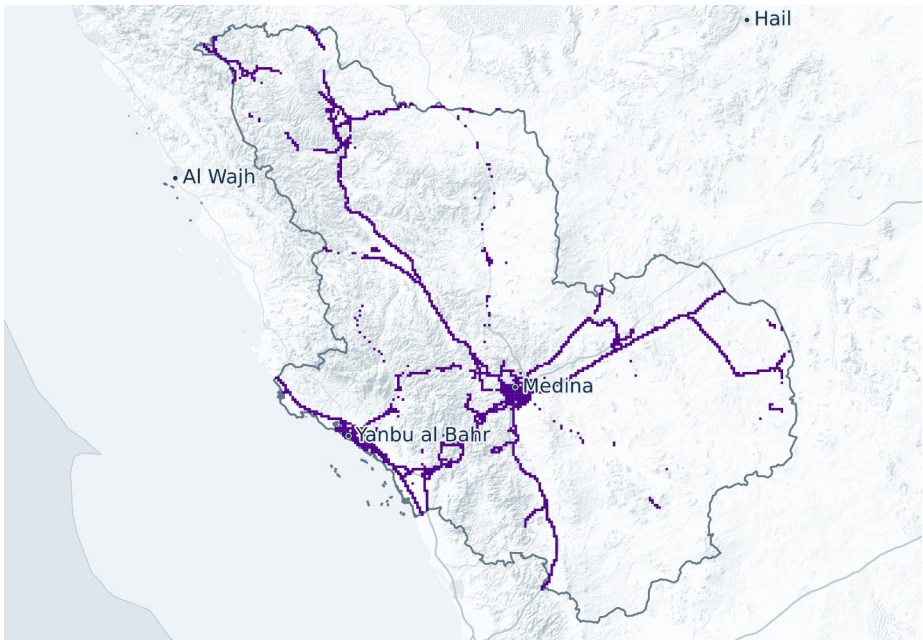
89,84 %

In mobility Pop. Coverage

96,28 %

nPerf Coverage Score

93,06 %



4G coverage — AlQassim



Geographical Coverage

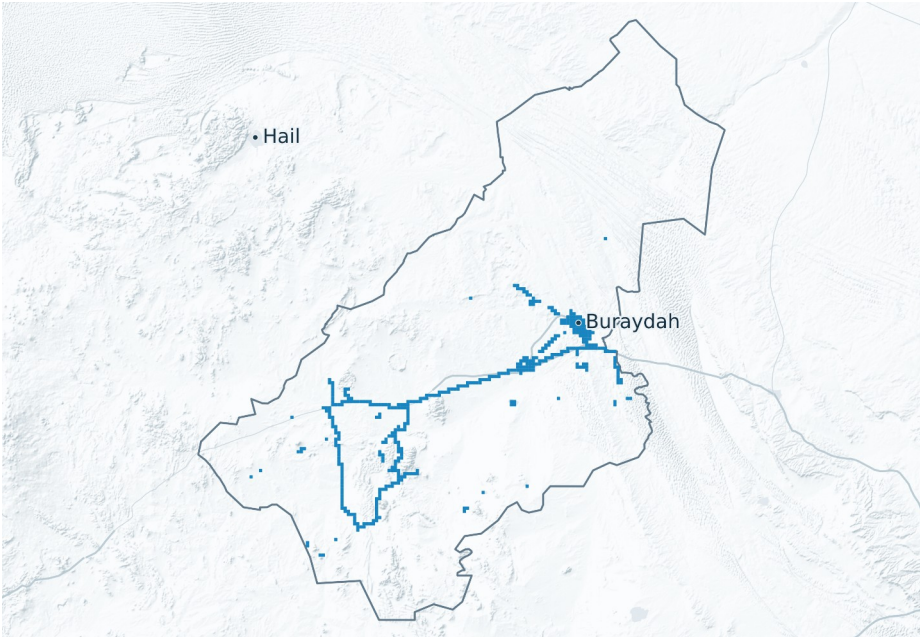
94,97 %

In mobility Pop. Coverage

96,50 %

nPerf Coverage Score

95,74 %



Geographical Coverage

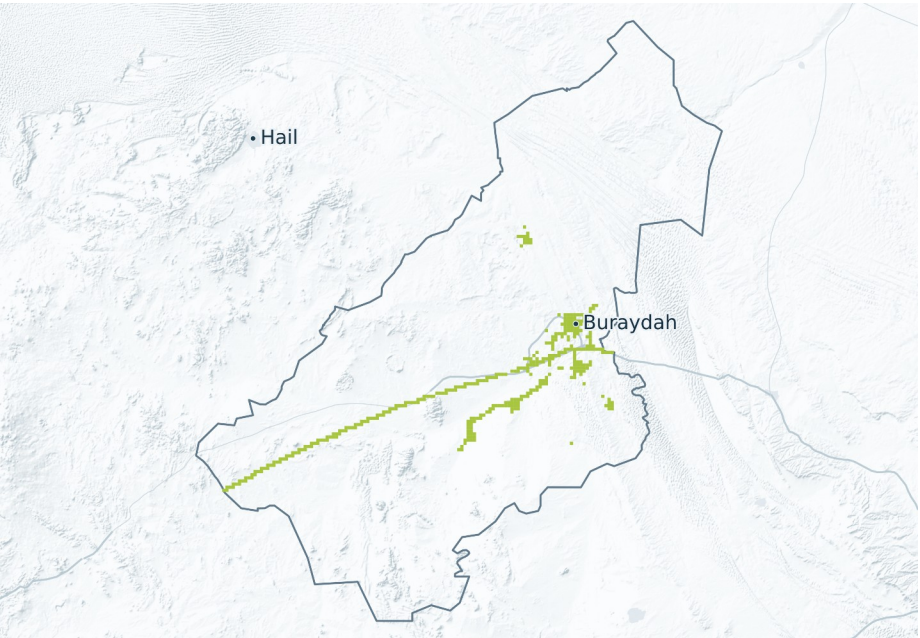
79,22 %

In mobility Pop. Coverage

88,33 %

nPerf Coverage Score

83,78 %



Geographical Coverage

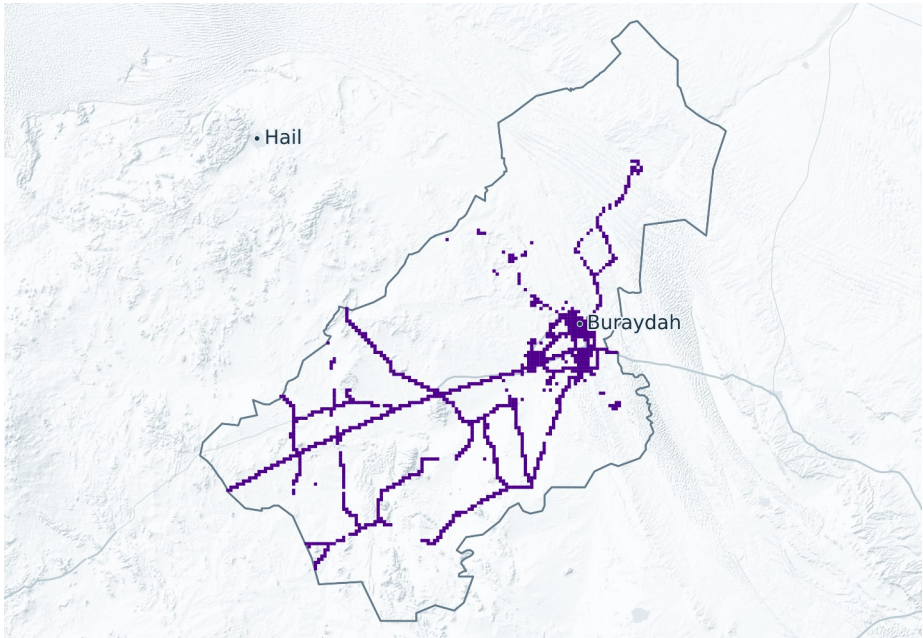
92,57 %

In mobility Pop. Coverage

95,59 %

nPerf Coverage Score

94,08 %



4G coverage — ArRiyad



Geographical Coverage

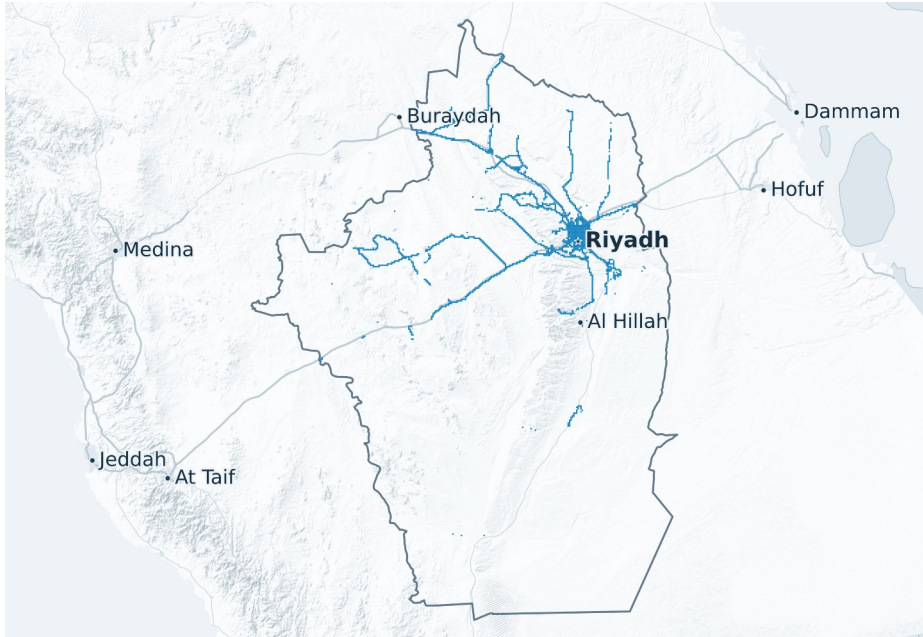
90,79 %

In mobility Pop. Coverage

96,31 %

nPerf Coverage Score

93,55 %



Geographical Coverage

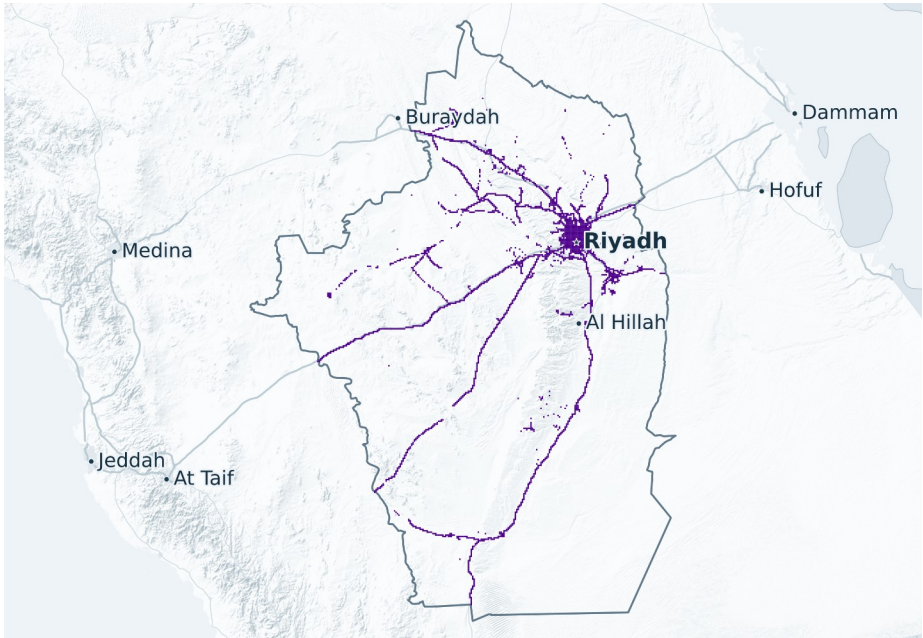
78,56 %

In mobility Pop. Coverage

90,98 %

nPerf Coverage Score

84,77 %



Geographical Coverage

95,23 %

In mobility Pop. Coverage

98,47 %

nPerf Coverage Score

96,85 %

4G coverage — Ash-Sharqiyah



Geographical Coverage

92,99 %

In mobility Pop. Coverage

97,03 %

nPerf Coverage Score

95,01 %



Geographical Coverage

59,85 %

In mobility Pop. Coverage

71,40 %

nPerf Coverage Score

65,62 %



Geographical Coverage

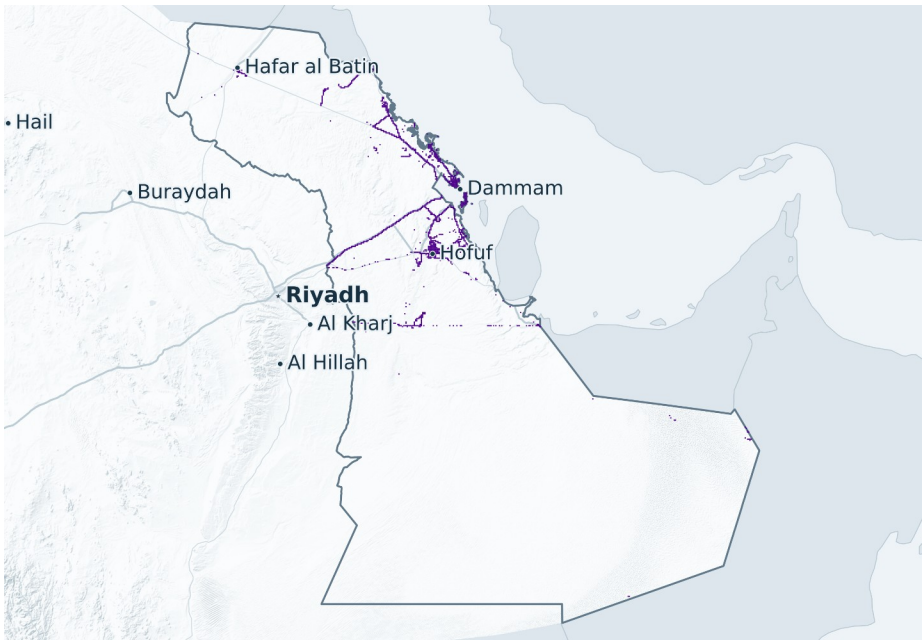
92,70 %

In mobility Pop. Coverage

97,41 %

nPerf Coverage Score

95,06 %



4G coverage — Jizan



Geographical Coverage

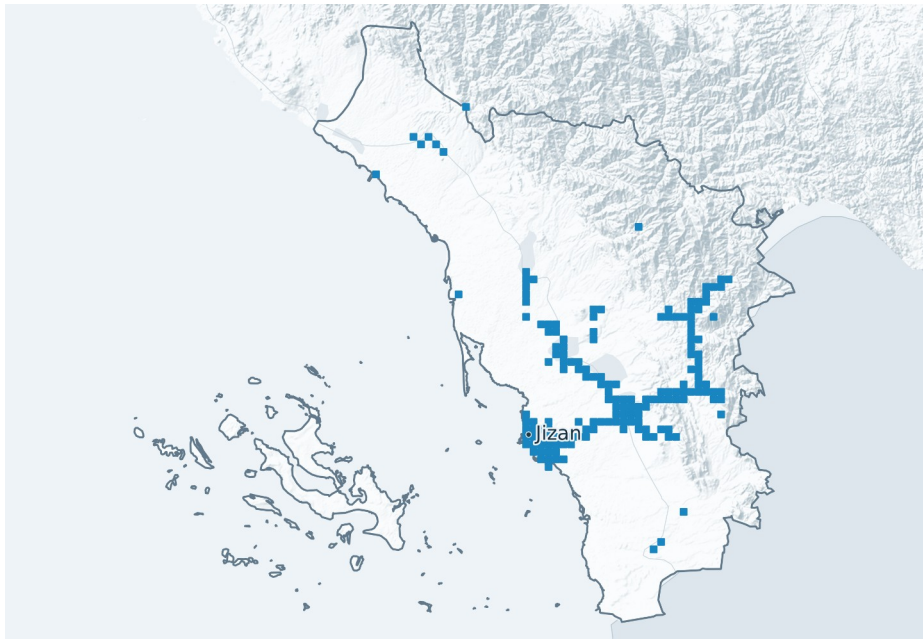
98,24 %

In mobility Pop. Coverage

98,26 %

nPerf Coverage Score

98,25 %



Geographical Coverage

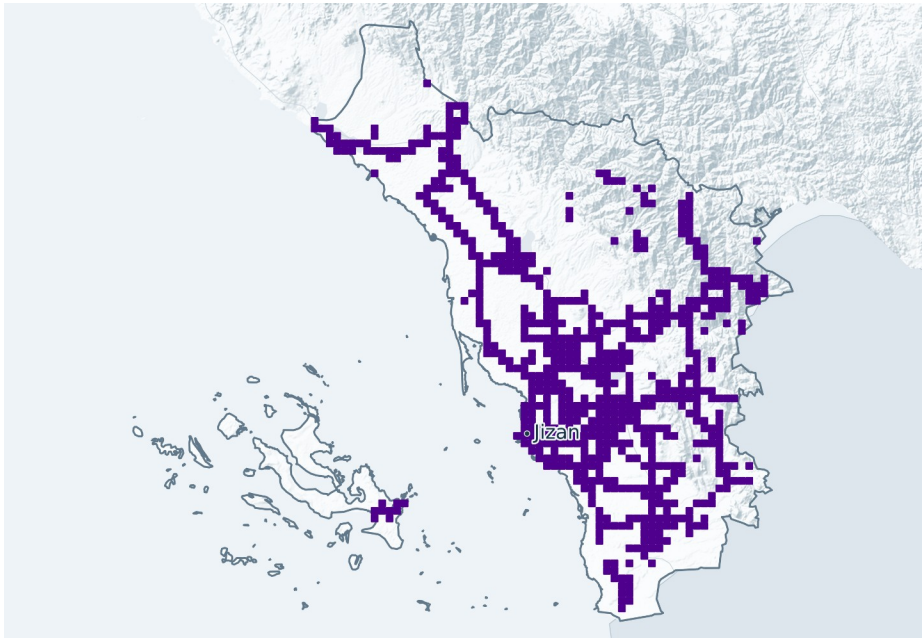
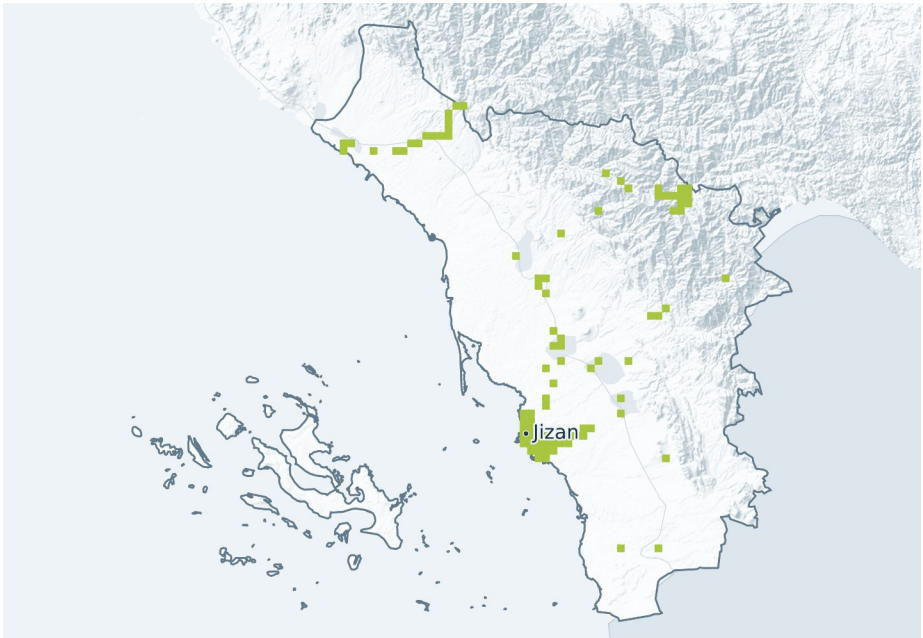
77,72 %

In mobility Pop. Coverage

88,36 %

nPerf Coverage Score

83,04 %



Geographical Coverage

92,64 %

In mobility Pop. Coverage

96,23 %

nPerf Coverage Score

94,43 %

4G coverage — Makkah



Geographical Coverage

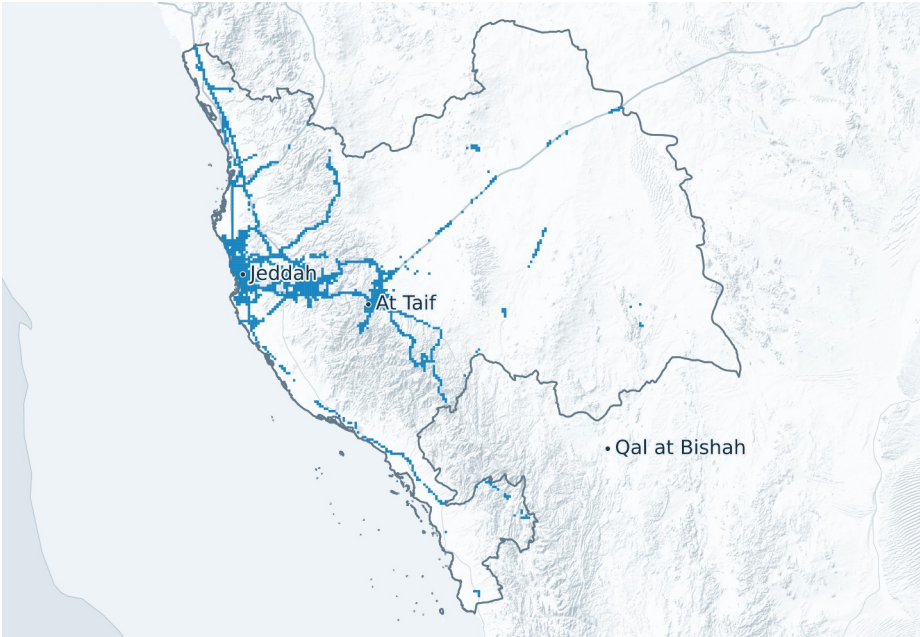
95,58 %

In mobility Pop. Coverage

98,23 %

nPerf Coverage Score

96,90 %



Geographical Coverage

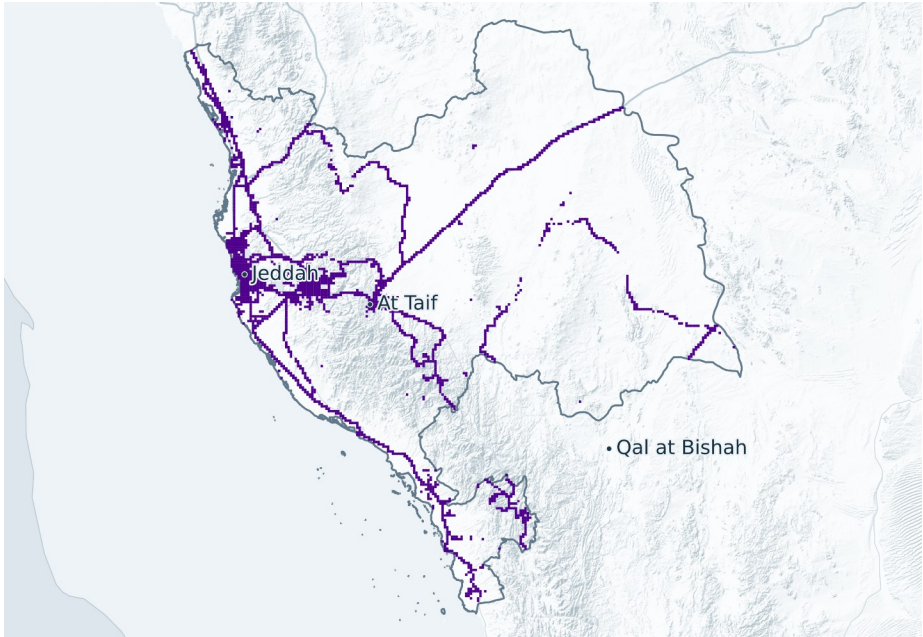
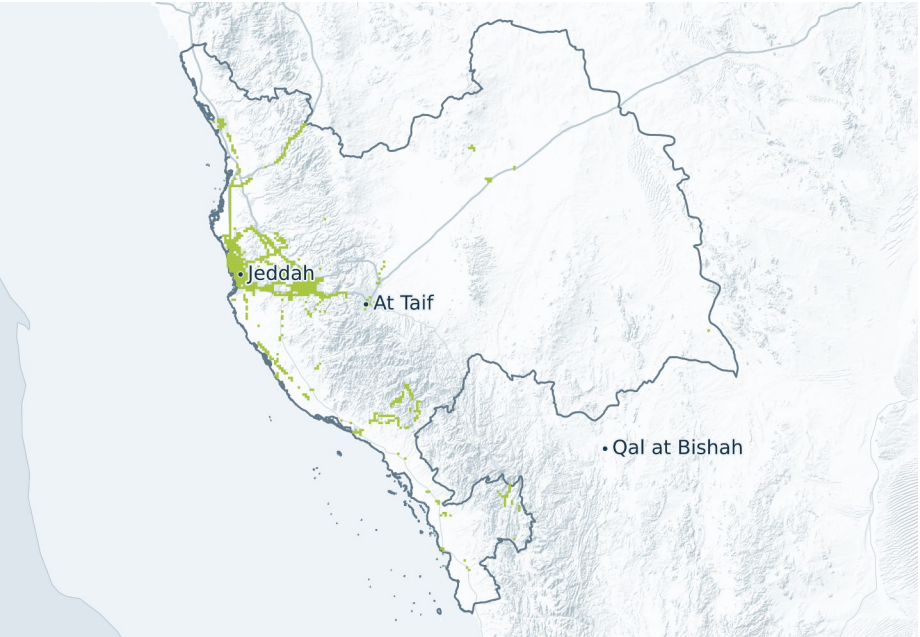
83,61 %

In mobility Pop. Coverage

94,09 %

nPerf Coverage Score

88,85 %



Geographical Coverage

91,15 %

In mobility Pop. Coverage

97,60 %

nPerf Coverage Score

94,37 %

4G coverage — Najran



Geographical Coverage

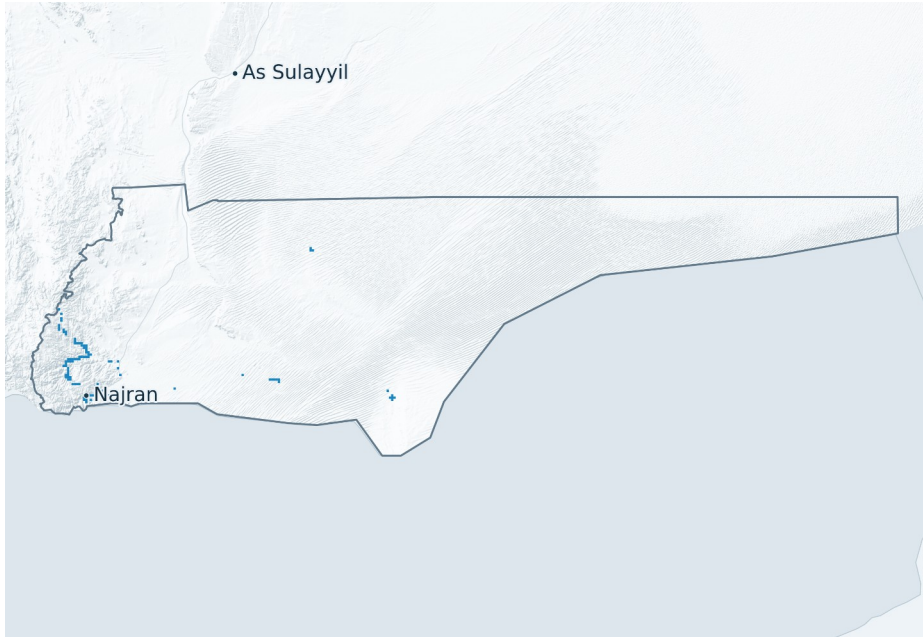
92,44 %

In mobility Pop. Coverage

94,52 %

nPerf Coverage Score

93,48 %



Geographical Coverage

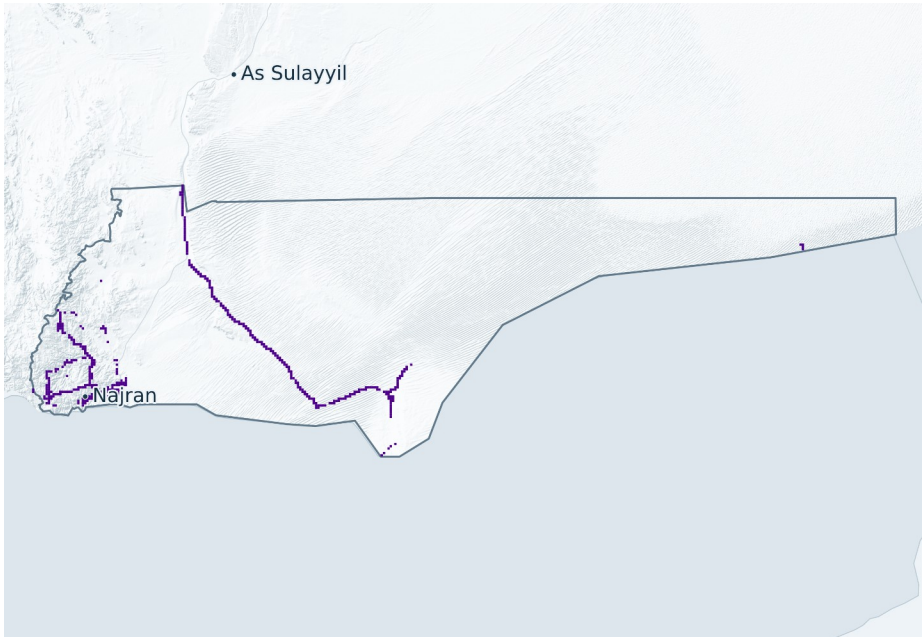
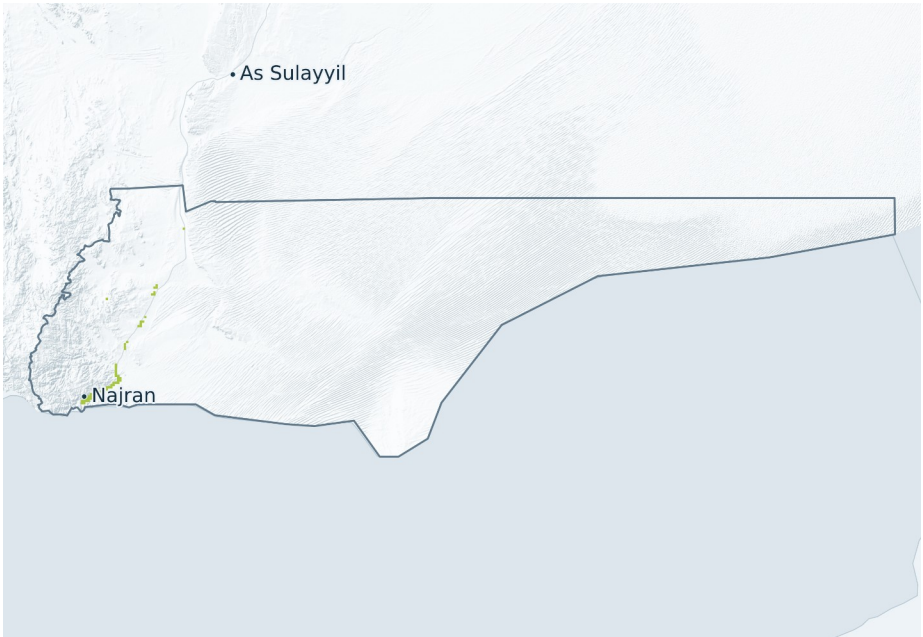
95,71 %

In mobility Pop. Coverage

95,38 %

nPerf Coverage Score

95,55 %



Geographical Coverage

80,73 %

In mobility Pop. Coverage

83,95 %

nPerf Coverage Score

82,34 %

4G coverage — Tabuk



Geographical Coverage

94,19 %

In mobility Pop. Coverage

96,43 %

nPerf Coverage Score

95,31 %



Geographical Coverage

79,92 %

In mobility Pop. Coverage

86,11 %

nPerf Coverage Score

83,02 %



Geographical Coverage

88,00 %

In mobility Pop. Coverage

92,26 %

nPerf Coverage Score

90,13 %

4G coverage — Ha'il



Geographical Coverage

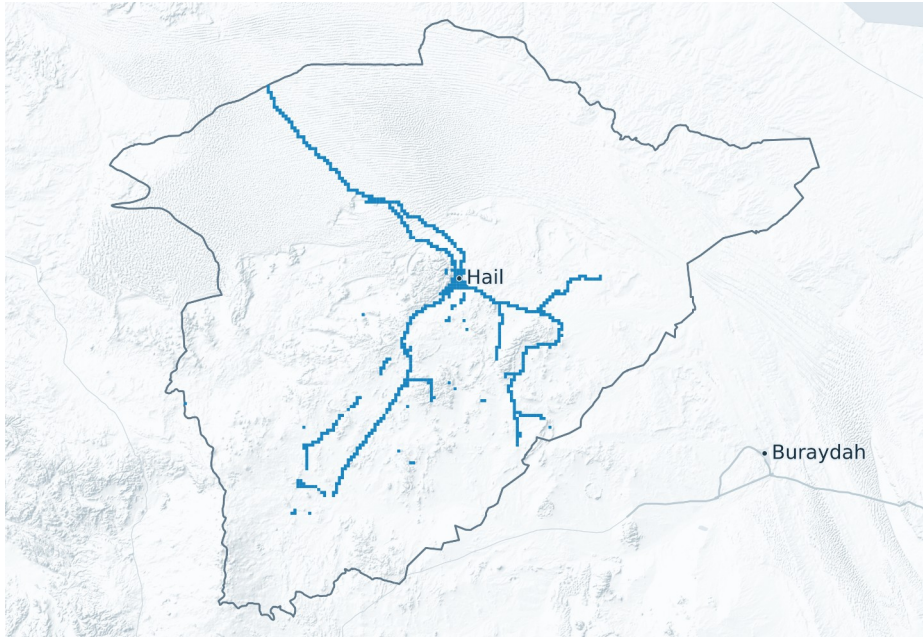
87,21 %

In mobility Pop. Coverage

91,13 %

nPerf Coverage Score

89,17 %



Geographical Coverage

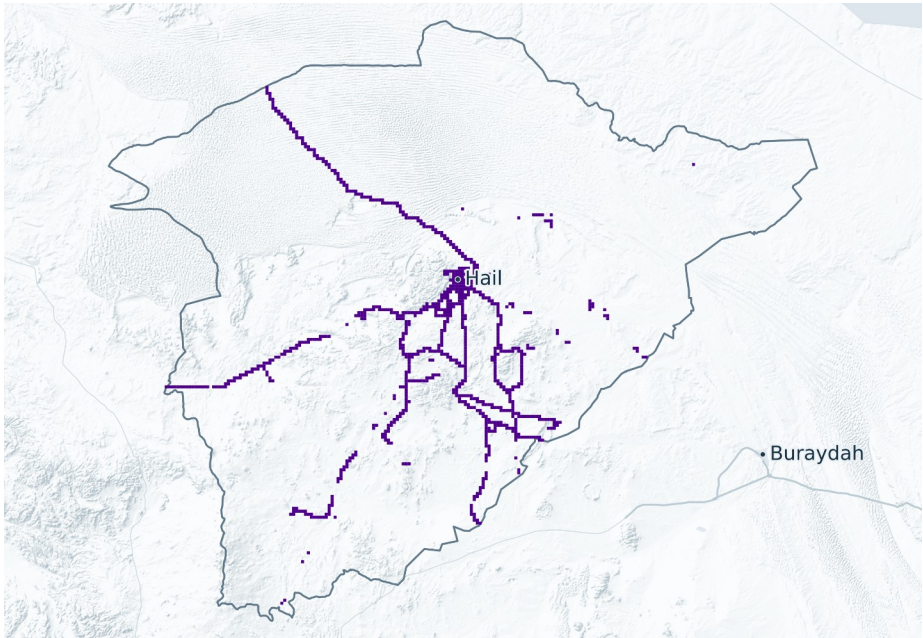
95,88 %

In mobility Pop. Coverage

96,35 %

nPerf Coverage Score

96,11 %



Geographical Coverage

94,48 %

In mobility Pop. Coverage

95,49 %

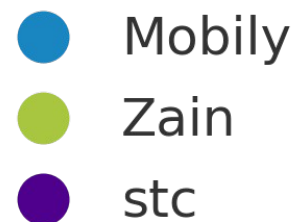
nPerf Coverage Score

94,99 %

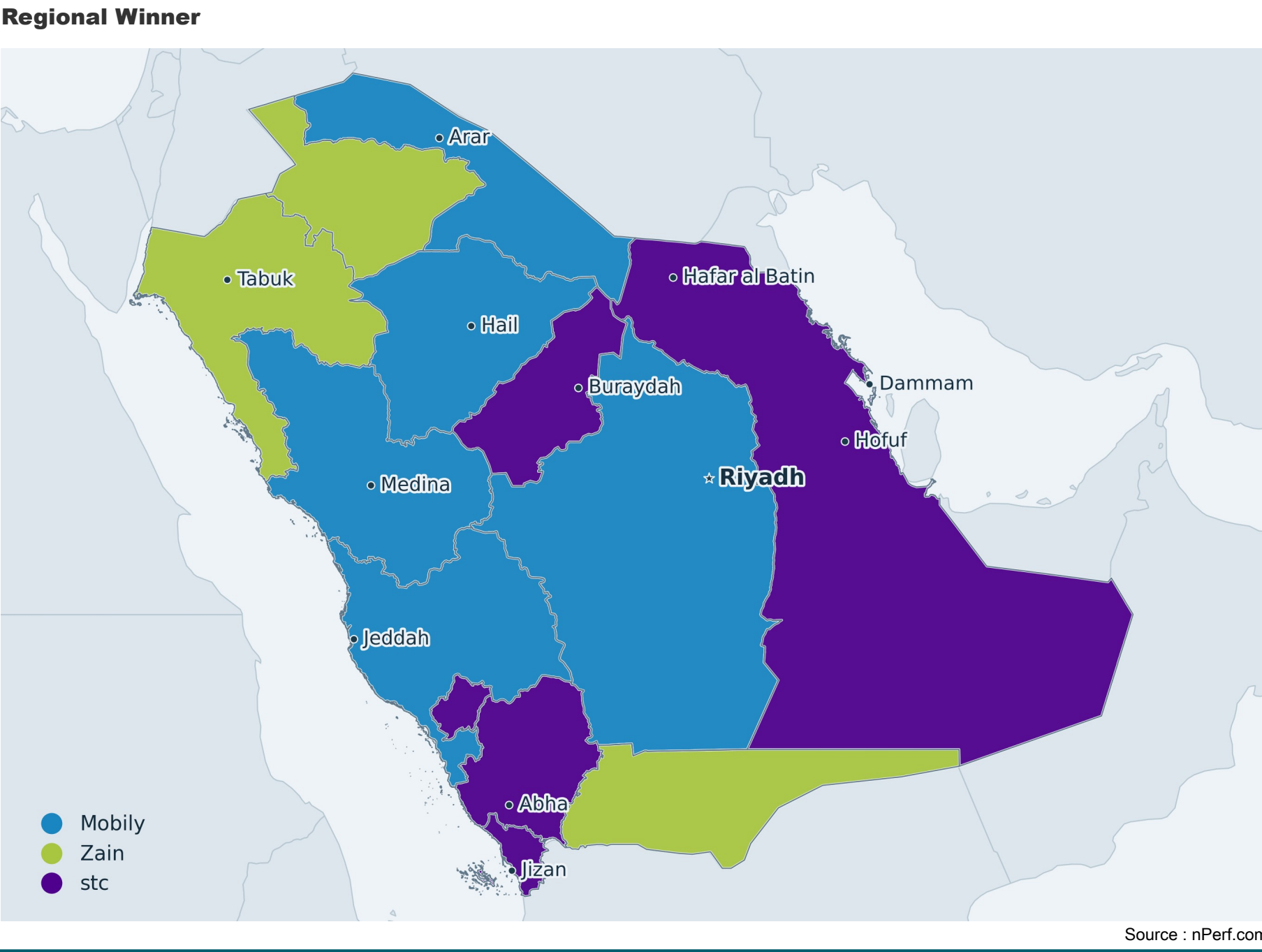
8. Regional 5G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
ArRiyad	641 705	26 473	59% 22% 19%
Makkah	526 507	22 591	50% 37% 13%
AlMadinah	310 775	6 424	40% 46% 14%
Ash-Sharqīyah	233 218	10 513	68% 29%
Jizan	69 537	3 165	81% 16%
'Asir	65 429	3 277	71% 25%
AlQassim	38 584	2 319	52% 44%
AlHududashShamaliyah	31 266	292	100%
Tabuk	30 578	1 523	95%
AlJawf	18 089	774	59% 41%
Ha'il	15 397	677	34% 51% 15%
Najran	15 362	624	33% 8% 59%
AlBahah	1 452	263	84% 10%



Regional 5G coverage



5G coverage — 'Asir



Geographical Coverage

40,59 %

In mobility Pop. Coverage

60,26 %

nPerf Coverage Score

50,43 %



Geographical Coverage

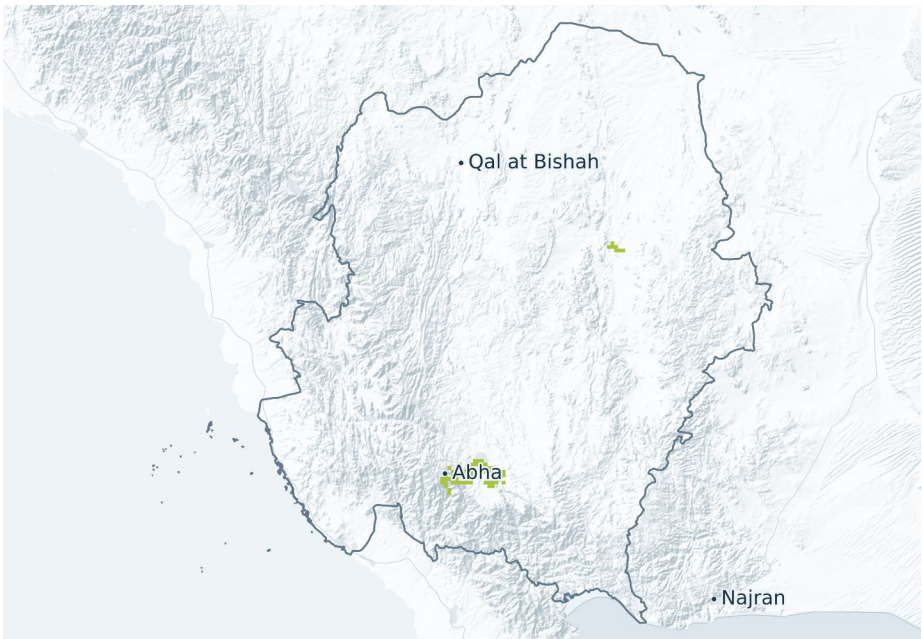
24,34 %

In mobility Pop. Coverage

47,11 %

nPerf Coverage Score

35,73 %



Geographical Coverage

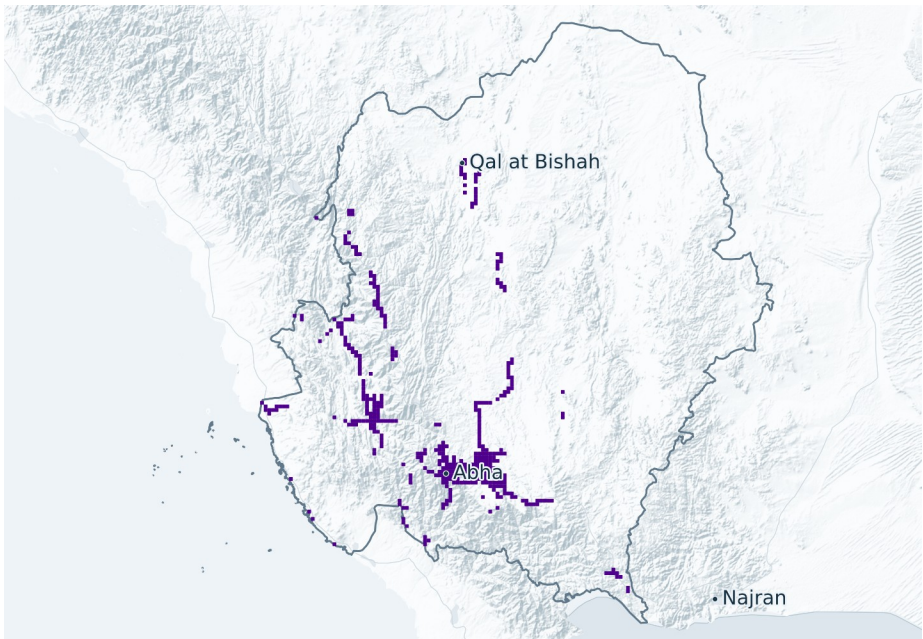
44,21 %

In mobility Pop. Coverage

62,78 %

nPerf Coverage Score

53,50 %



5G coverage — AlMadinah



Geographical Coverage

47,57 %

In mobility Pop. Coverage

57,08 %

nPerf Coverage Score

52,32 %



Geographical Coverage

35,94 %

In mobility Pop. Coverage

49,12 %

nPerf Coverage Score

42,53 %



Geographical Coverage

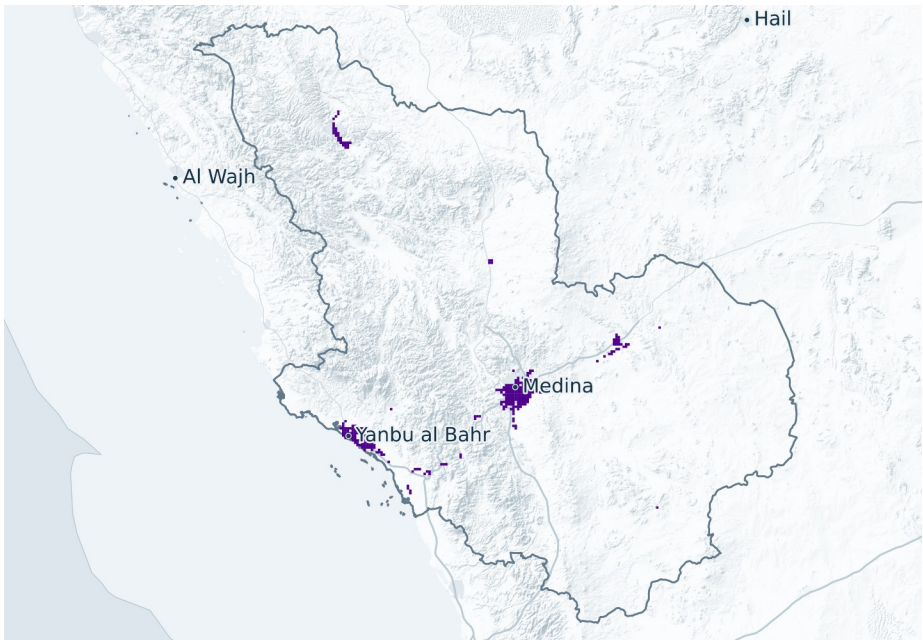
35,60 %

In mobility Pop. Coverage

51,39 %

nPerf Coverage Score

43,50 %



5G coverage — AlQassim



Geographical Coverage

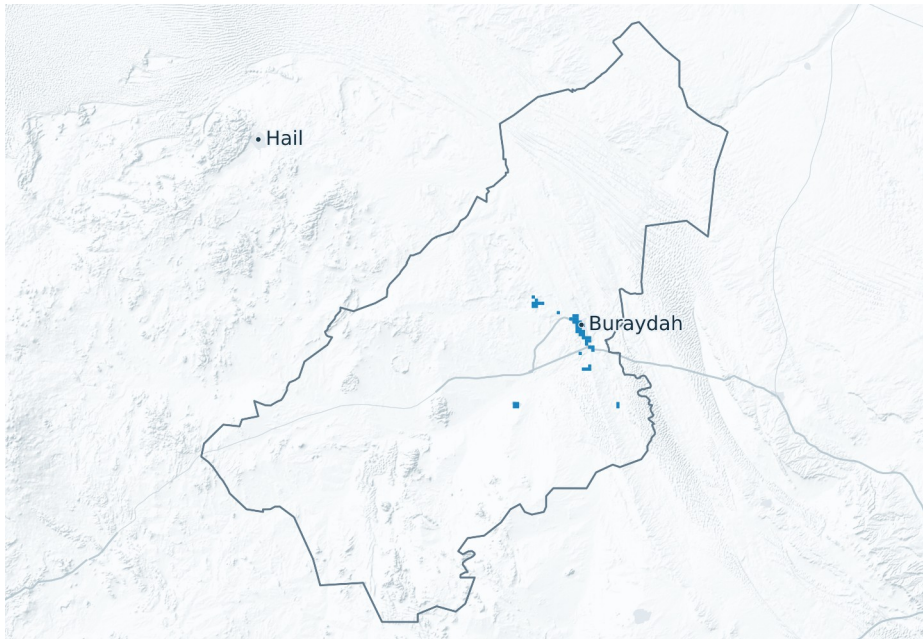
35,54 %

In mobility Pop. Coverage

49,42 %

nPerf Coverage Score

42,48 %



Geographical Coverage

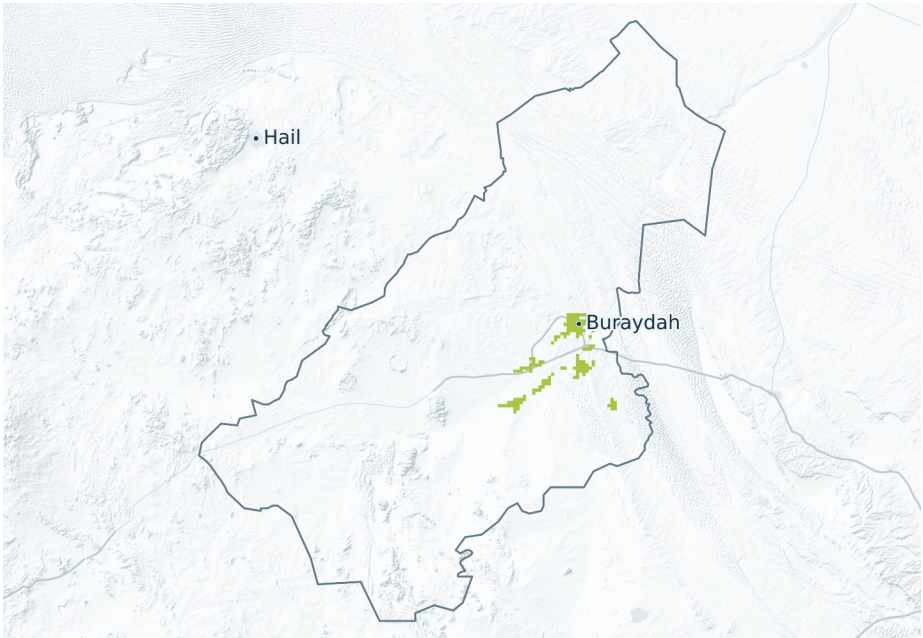
35,10 %

In mobility Pop. Coverage

42,18 %

nPerf Coverage Score

38,64 %



Geographical Coverage

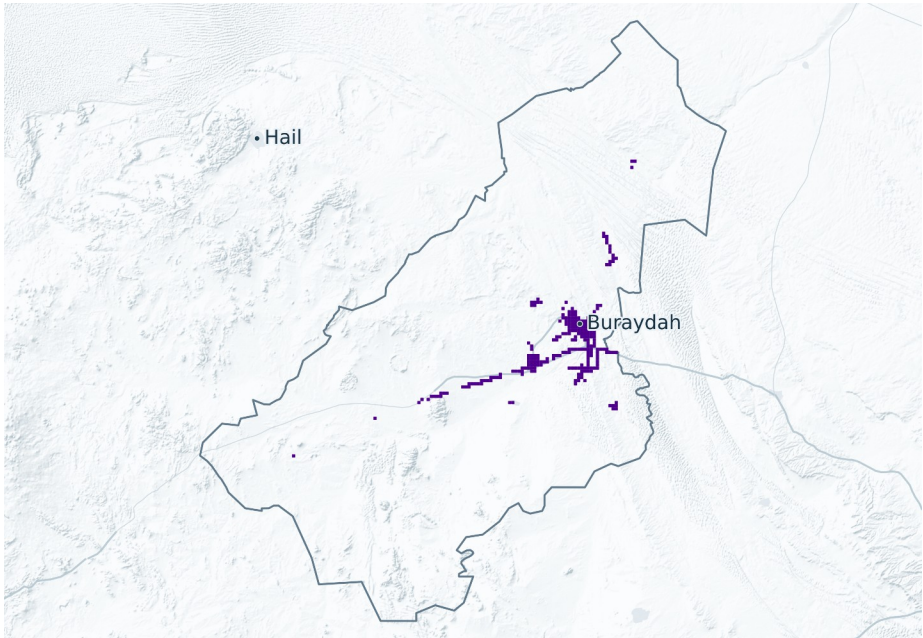
47,52 %

In mobility Pop. Coverage

57,22 %

nPerf Coverage Score

52,37 %



5G coverage — ArRiyad



Geographical Coverage

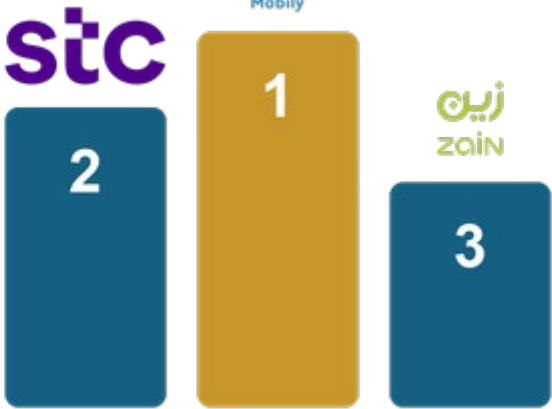
63,28 %

In mobility Pop. Coverage

81,75 %

nPerf Coverage Score

72,51 %



Geographical Coverage

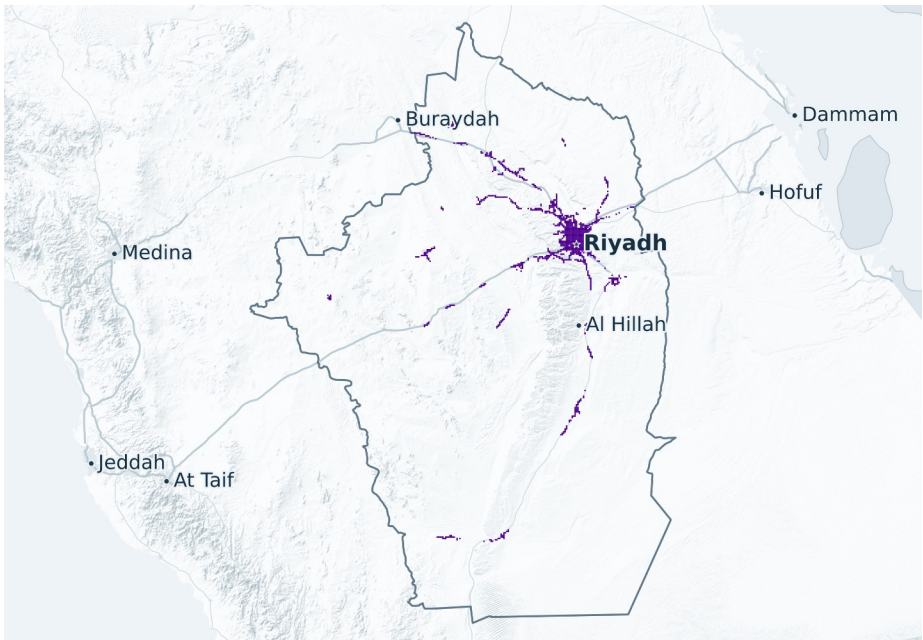
46,56 %

In mobility Pop. Coverage

71,01 %

nPerf Coverage Score

58,79 %



Geographical Coverage

52,49 %

In mobility Pop. Coverage

77,29 %

nPerf Coverage Score

64,89 %

5G coverage — Ash-Sharqiyah



Geographical Coverage
53,46 %
In mobility Pop. Coverage
66,59 %
nPerf Coverage Score
60,02 %



Geographical Coverage
32,73 %
In mobility Pop. Coverage
46,45 %
nPerf Coverage Score
39,59 %



Geographical Coverage
58,66 %
In mobility Pop. Coverage
74,26 %
nPerf Coverage Score
66,46 %

5G coverage — Jizan



Geographical Coverage

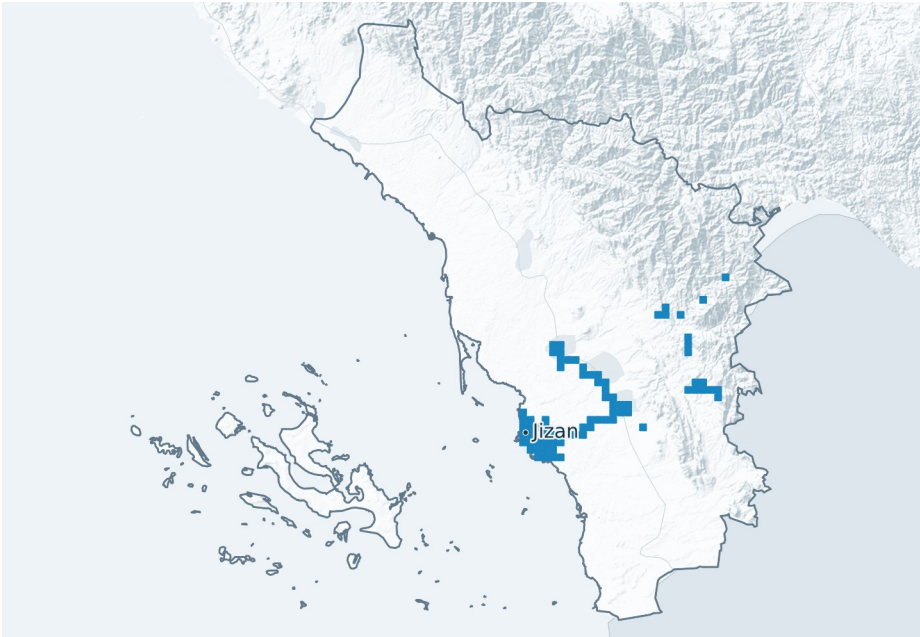
48,39 %

In mobility Pop. Coverage

59,69 %

nPerf Coverage Score

54,04 %



Geographical Coverage

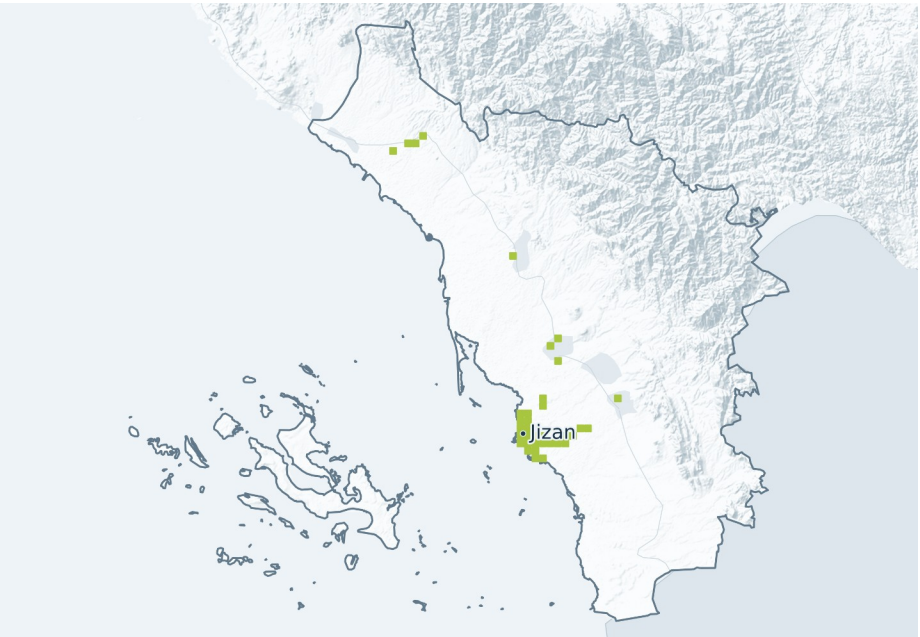
43,61 %

In mobility Pop. Coverage

67,89 %

nPerf Coverage Score

55,75 %



Geographical Coverage

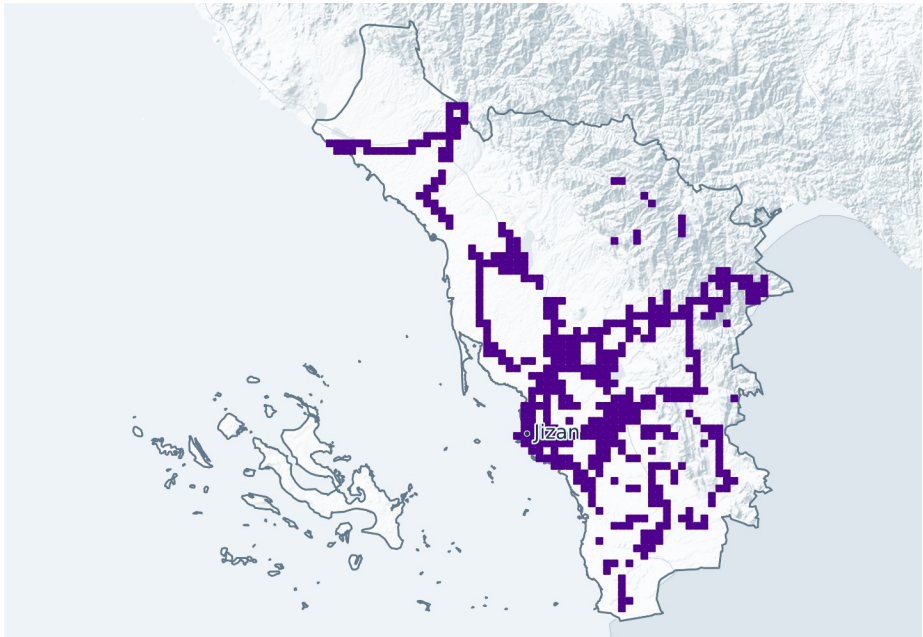
68,47 %

In mobility Pop. Coverage

79,97 %

nPerf Coverage Score

74,22 %



5G coverage — Makkah



Geographical Coverage

71,26 %

In mobility Pop. Coverage

84,57 %

nPerf Coverage Score

77,92 %



Geographical Coverage

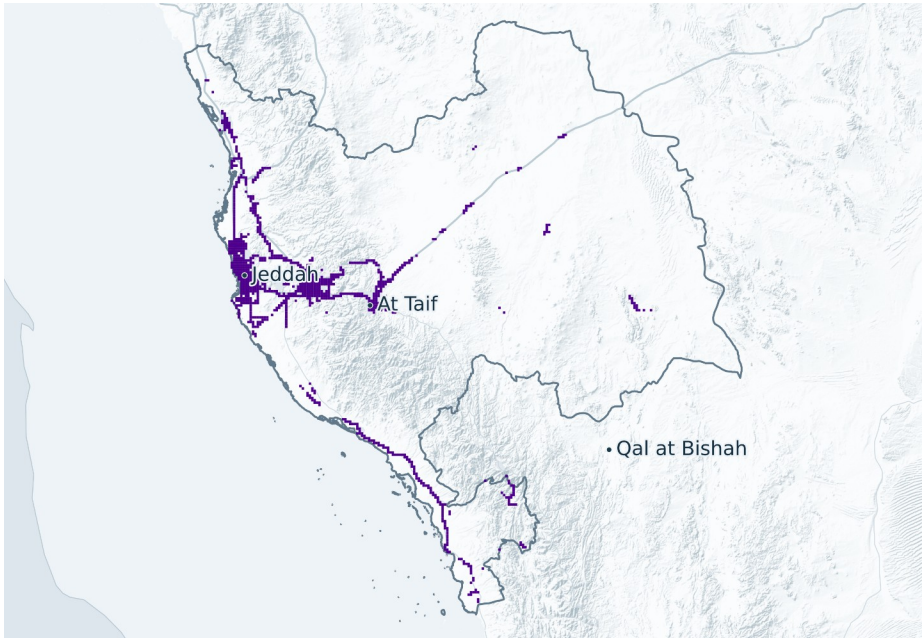
50,81 %

In mobility Pop. Coverage

74,72 %

nPerf Coverage Score

62,77 %



Geographical Coverage

58,33 %

In mobility Pop. Coverage

81,80 %

nPerf Coverage Score

70,06 %

5G coverage — Tabuk



Geographical Coverage

32,59 %

In mobility Pop. Coverage

39,68 %

nPerf Coverage Score

36,13 %



Geographical Coverage

40,86 %

In mobility Pop. Coverage

52,05 %

nPerf Coverage Score

46,45 %



Geographical Coverage

39,82 %

In mobility Pop. Coverage

50,92 %

nPerf Coverage Score

45,37 %

