

Alice Kohli

Neue Zürcher Zeitung (Palicekohli

Benjamin Wiederkehr

Interactive Things (adatavis

NZZ Data

nzz.ch/aktuell/data @nzzdata 8. MÄRZ

Neue Zürcher Zeitung

TEILEN

KEINE ZEIT FÜR WUT

Vier Schicksale zwei Jahre nach «Fukushima»

Nach der Dreifachkatastrophe im Nordosten Japans 2011 berichtete die NZZ aus Fukushima und dem Fischerort Ofunato. Zwei Jahre später haben wir die Betroffenen erneut besucht - und sind auf einen Bauern gestossen, der im Sperrgebiet ausharrt.

Marcel Gyr (Text) Christoph Bangert (Bild)



Outlining the Concept



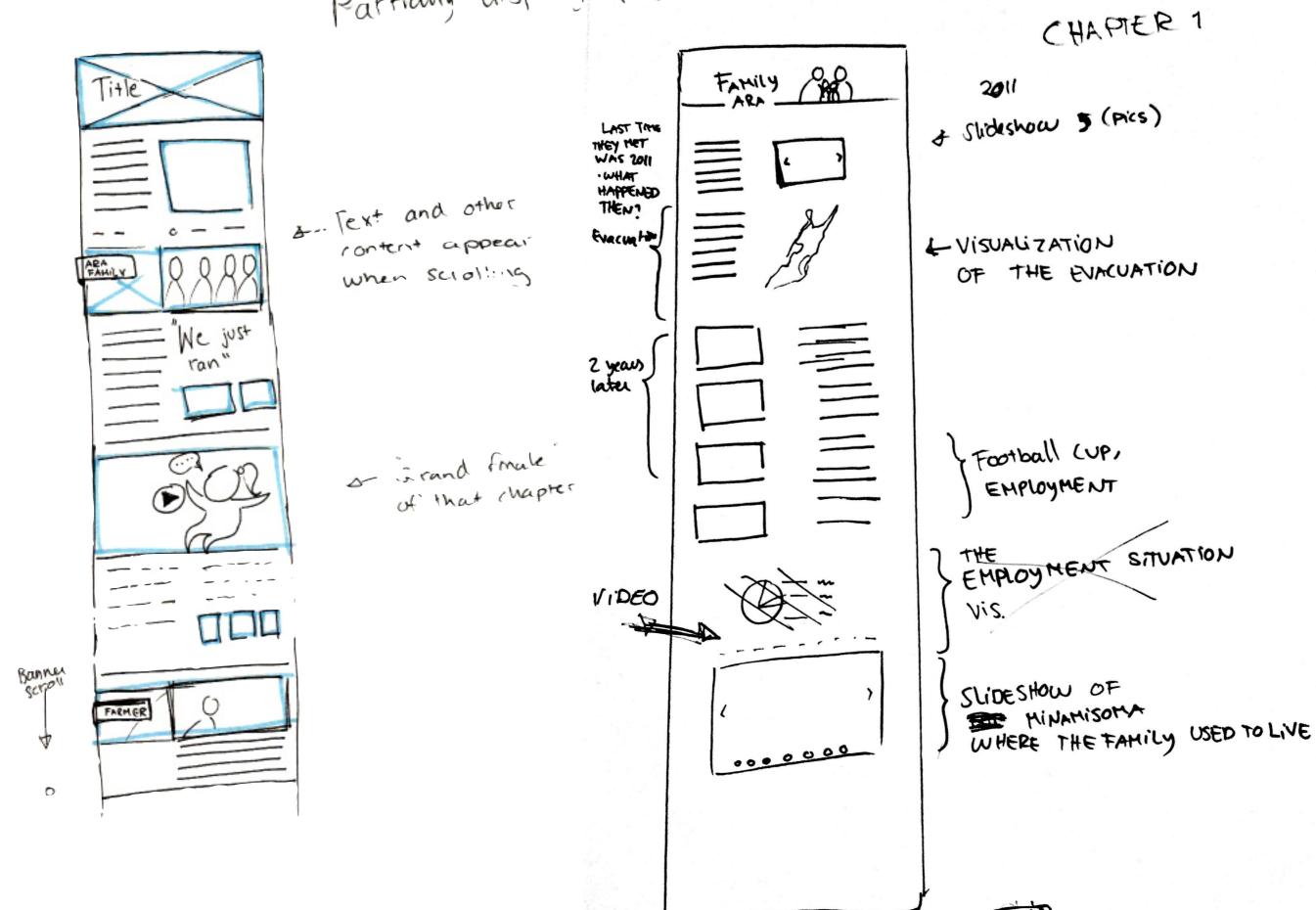




Topics			PEOPLE	
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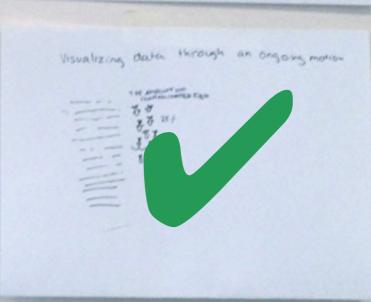
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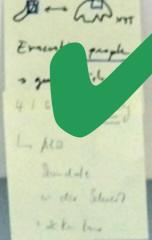


Creating the Visualizations



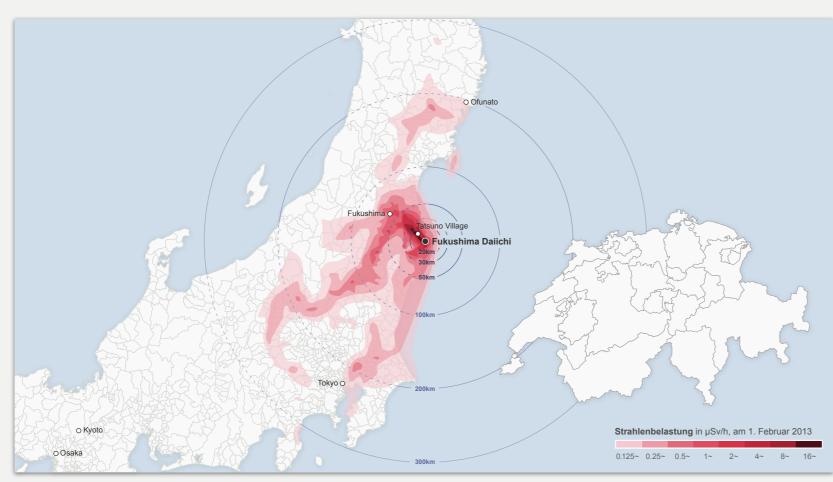


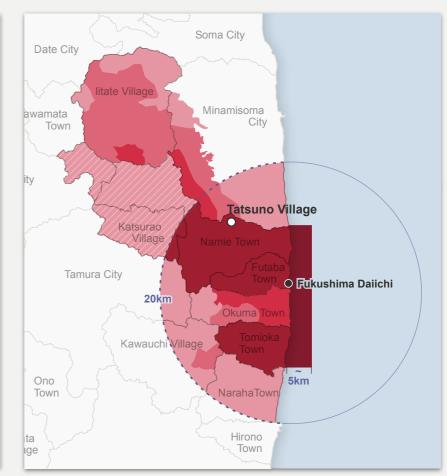


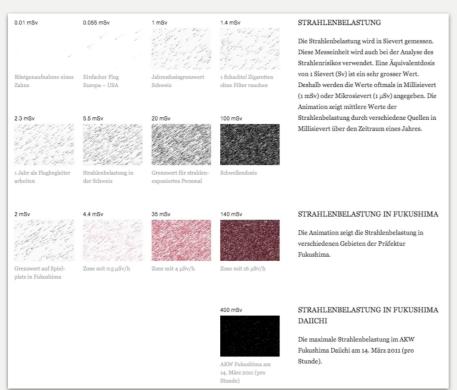


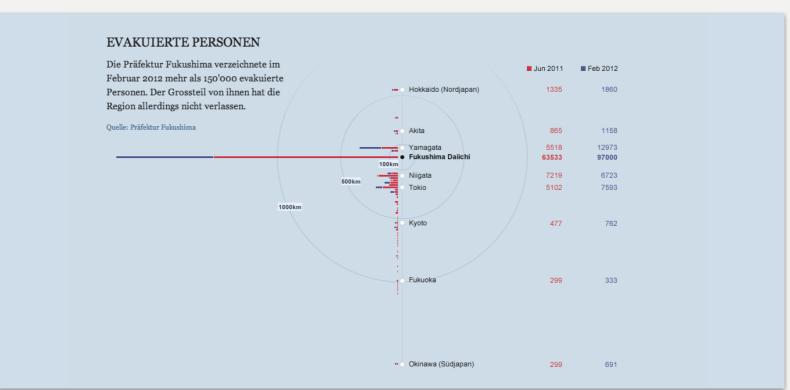
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Your excercise for the next hour

- 1. Pick a story from the newsfeed (articles from news agencies)
- 2. Read the story (if necessary, pick another story)
- 3. Define which elements of the story are interesting to follow up?
- 4. Decide what publication would the follow-up story be for?
- 5. How is the follow-up-story set up? How is the data displayed? How do you incorporate interactive elements?
- 6. Set a title and a lead make sure it corresponds to the publication you chose in (4)
- 7. Design a poster for your story

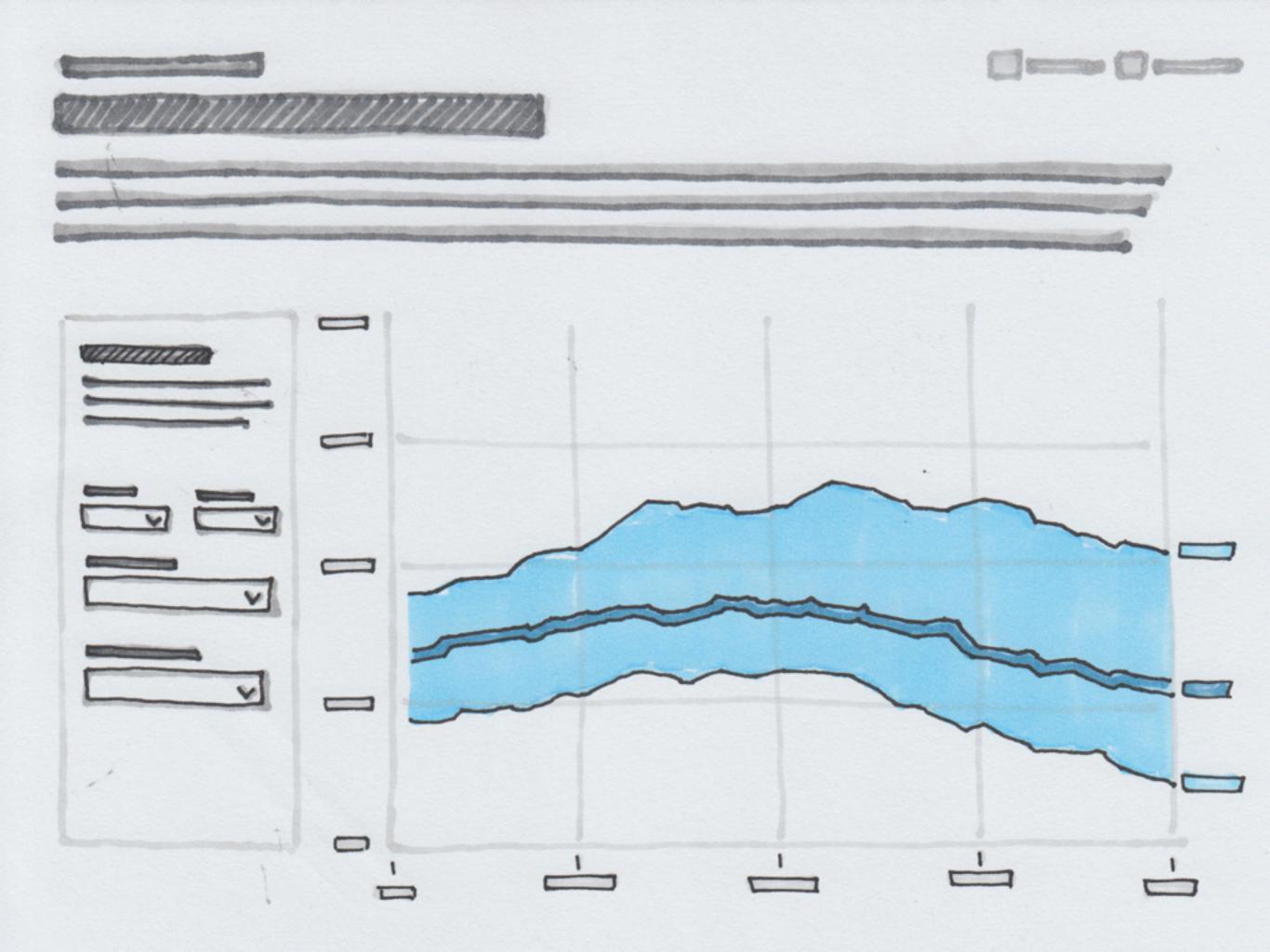
OTTAWA, Sept 6 (Reuters)

Canada's economy churned out a surprising 59,200 jobs in August, nearly triple the number expected, but most of the gains were in part-time work and the six-month trend in the labor market remains modest.

How many jobs where there in July? In August of the previous year?

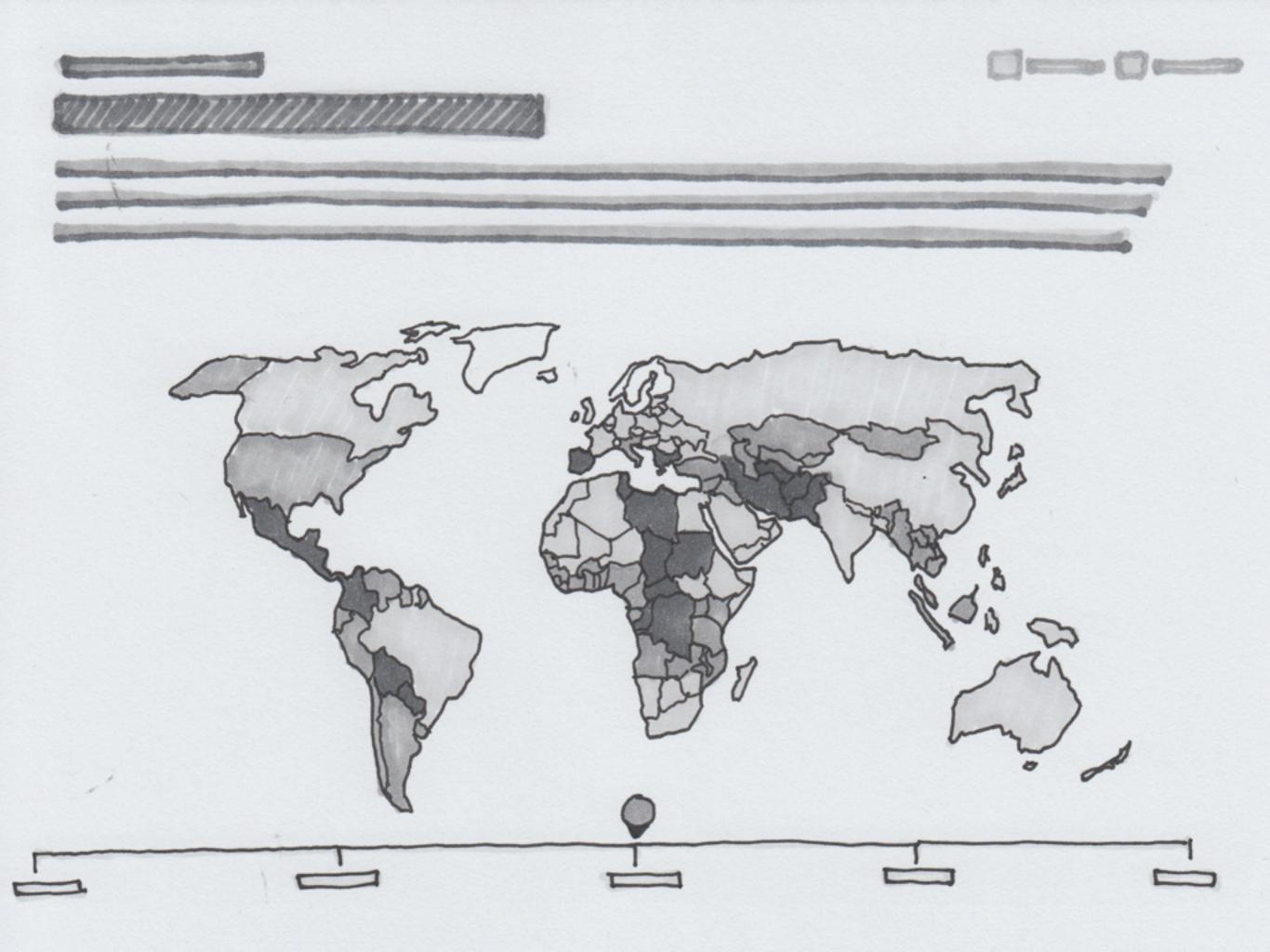
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How is it compared to other countries? Which country is most comparable to Canada?

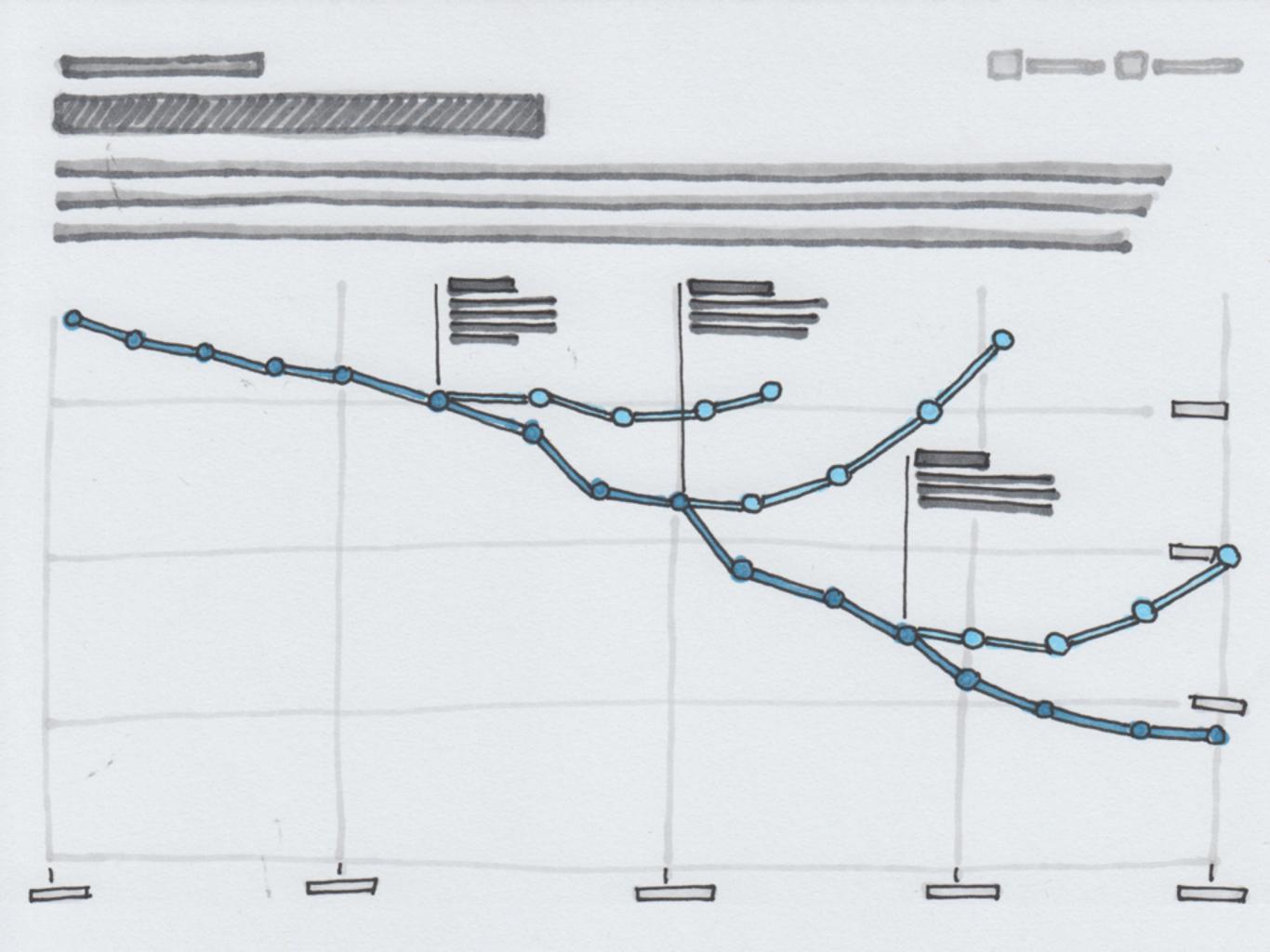
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Who expected what? Which institutes provide prognoses?



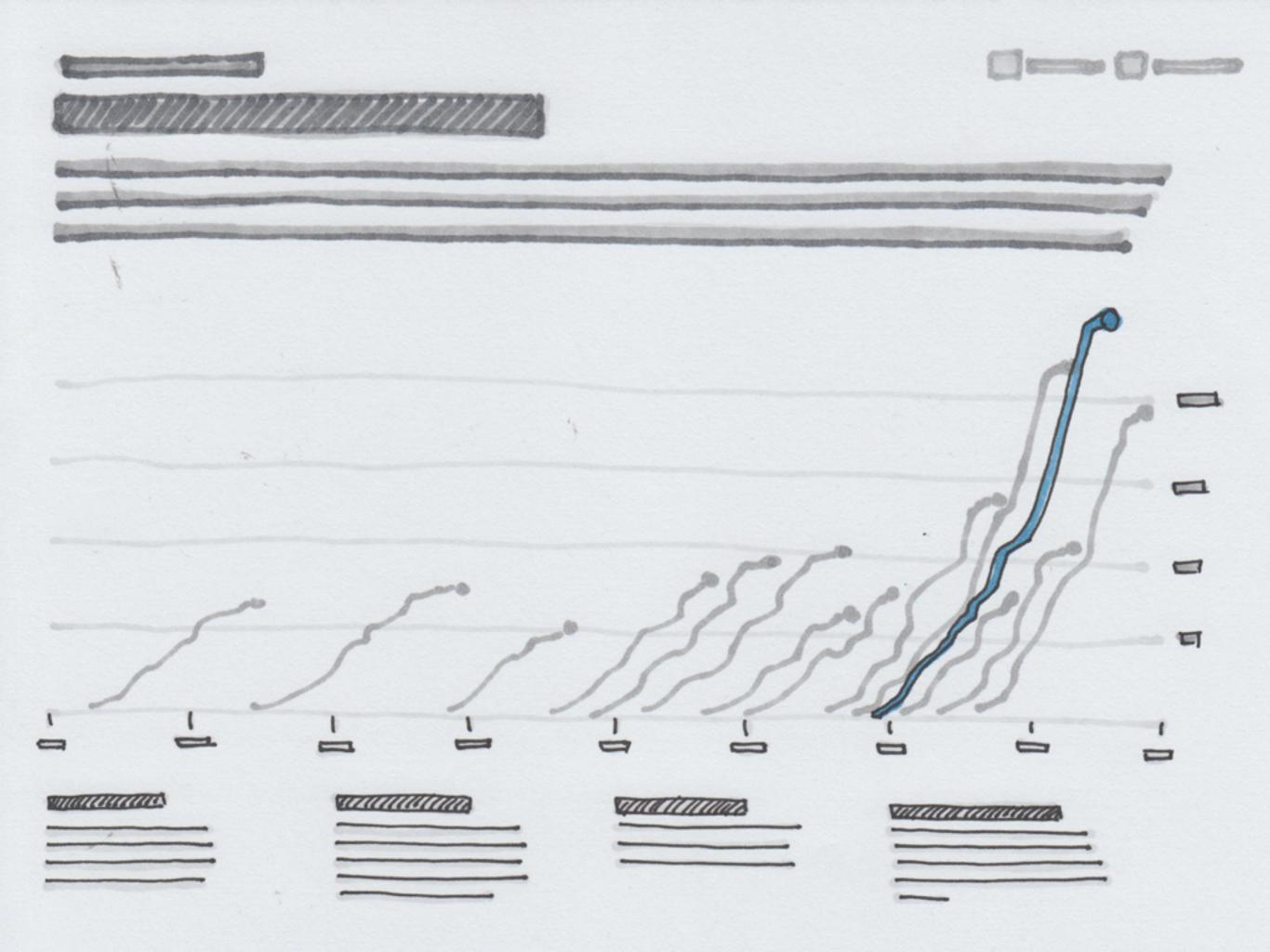
KARACHI, Sept 6 (Reuters)

Pakistan wicketkeeper-batsman Umar Akmal has been given the green light to resume playing after suffering a fit while on duty for Barbados in the Caribbean Premier League last month. The 23-year-old had to drop out of the tour to Zimbabwe after being taken ill on a flight to Jamaica.

How about the other players of the past? How did they regenerate?

KARACHI, Sept 6 (Reut

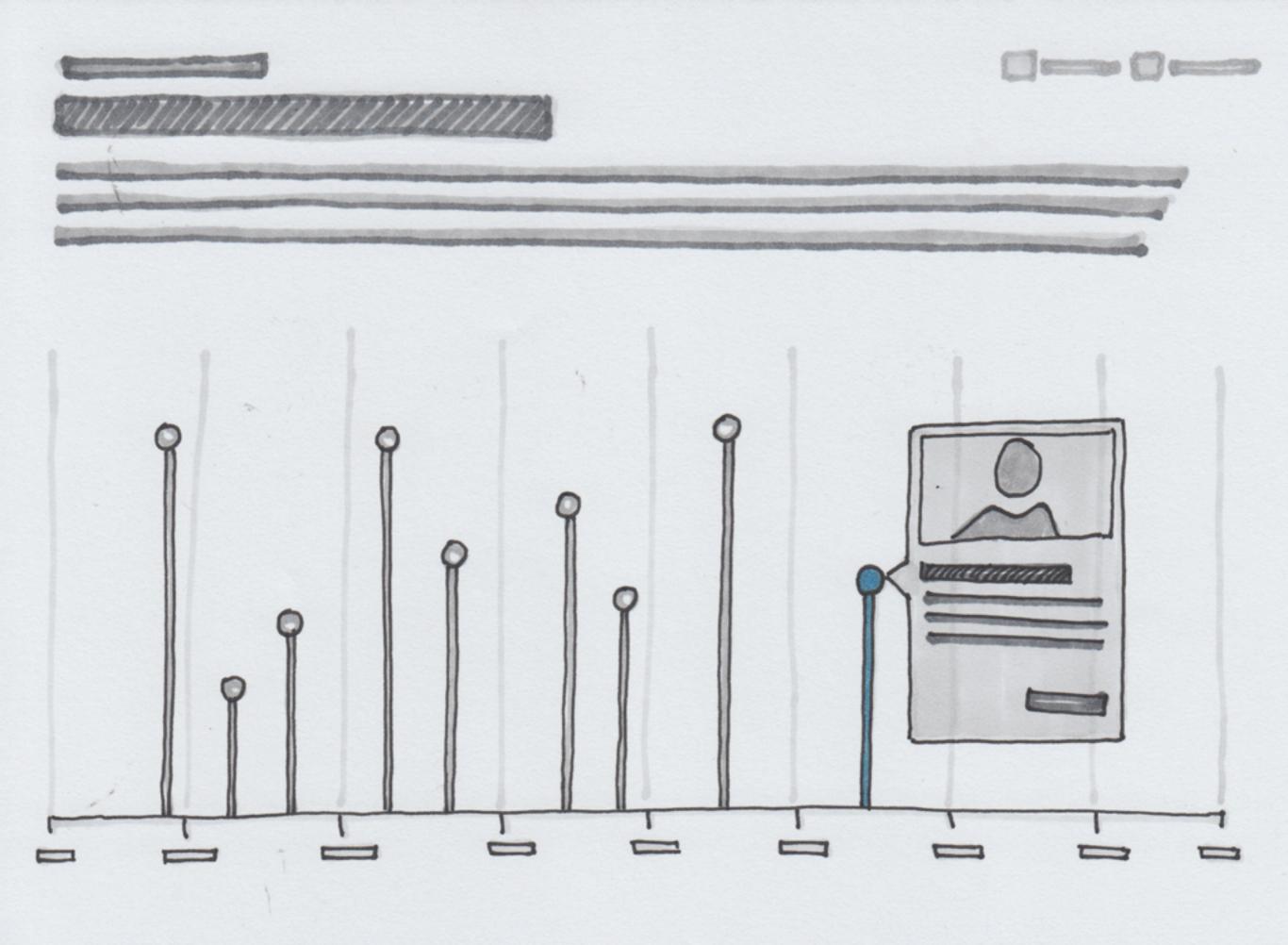
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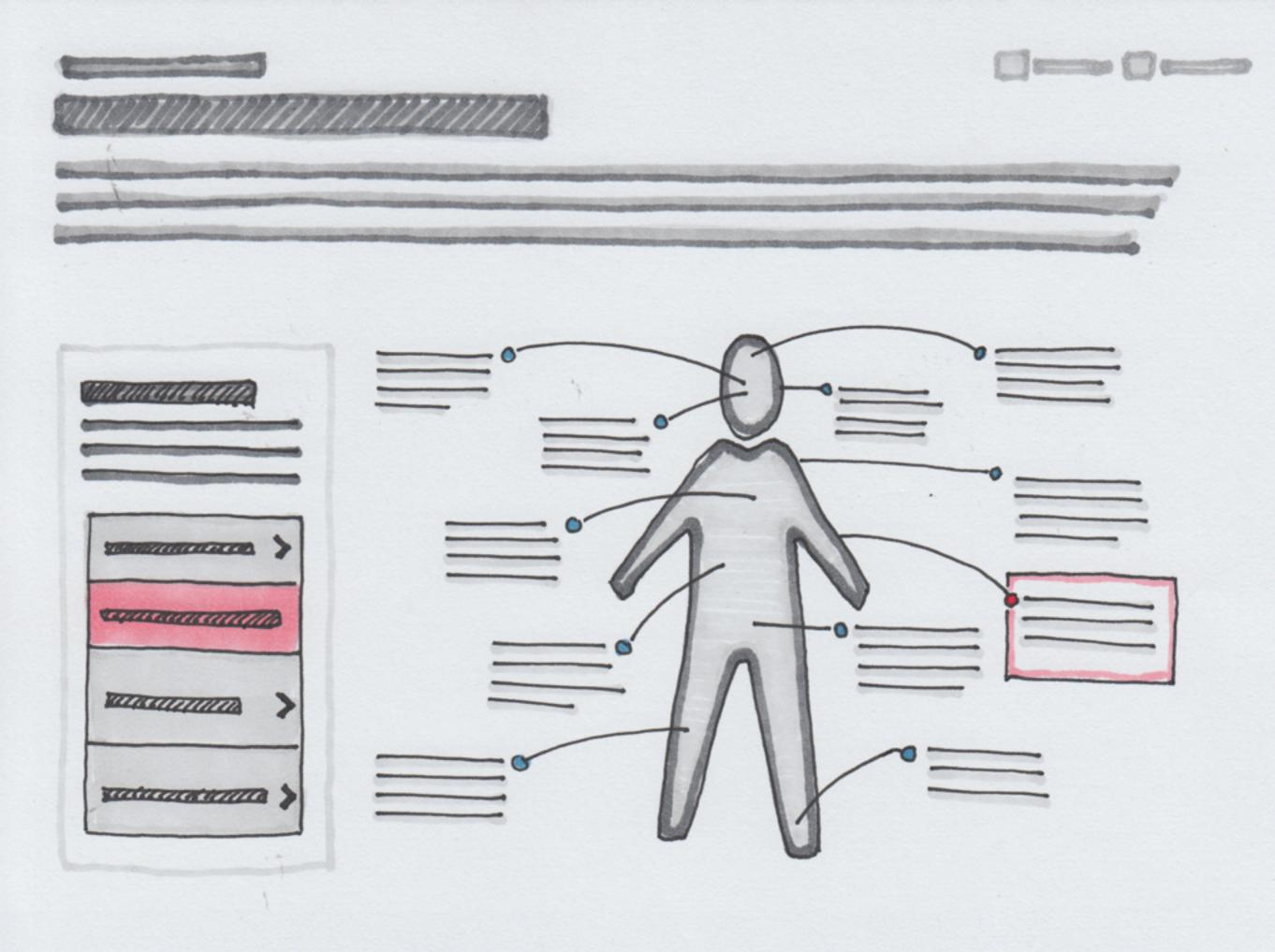
How many people suffer a fit, at what age?



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What other reasons are there? How likely are you to suffer a fit with your current physical condition?

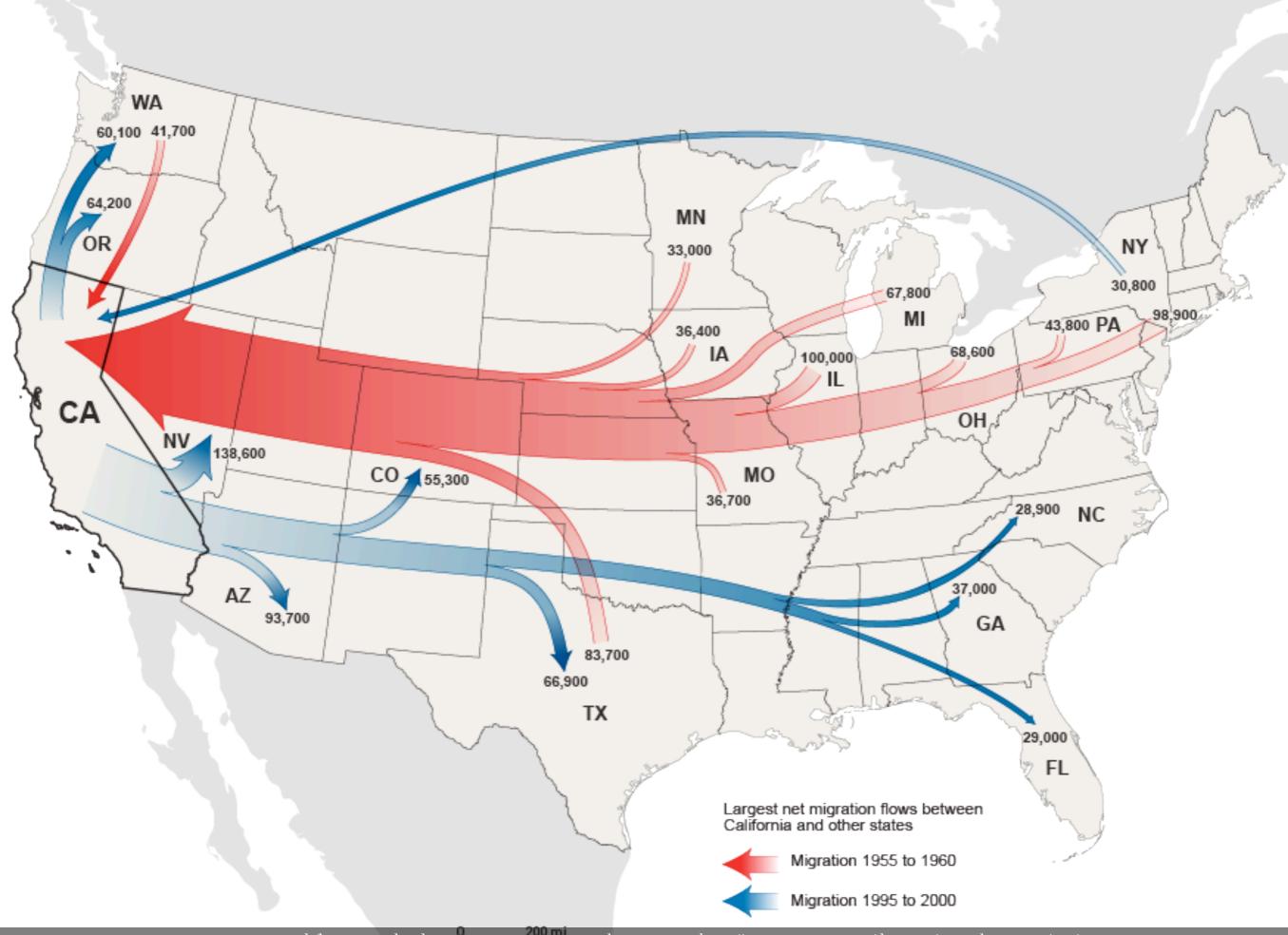


Ready, set, go: Pick a story from the newsfeed

- 1. Swiss lower house of parliament backs Gripen jets
- 2. China ditches pointless awards in latest anti-waste push
- 3. Six killed in two blasts near army sites in Egypt's Sinai
- 4. Iraq signs deal with BP to revive northern Kirkuk oilfield
- 5. Spanish Catalonia to press independence bid with human chain
- 6. Kenya's deputy president goes on trial at international court
- 7. U.S. Soccer Head Says FIFA Failed to Consider Qatari Weather
- 8. New York strip club dancers win 4-year fight for minimum wage
- 9. Humberto becomes first hurricane of 2013, no threat to land
- 10. Clint Eastwood's wife files for legal separation in California

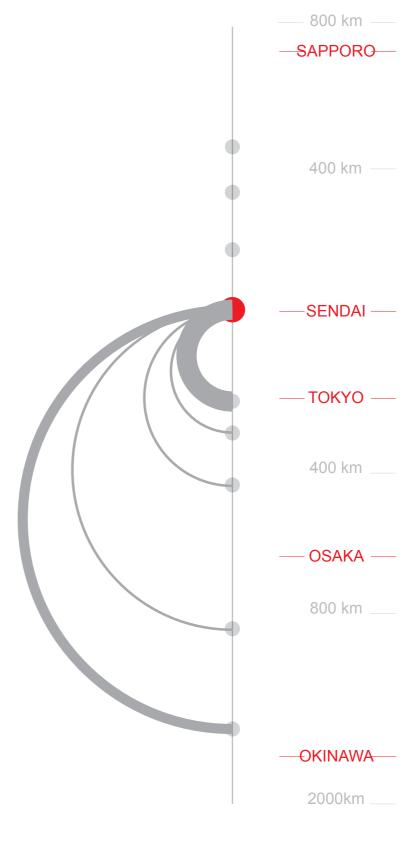
Difficulties with Visualizations

Visualisierung: Flüchtlingsströme



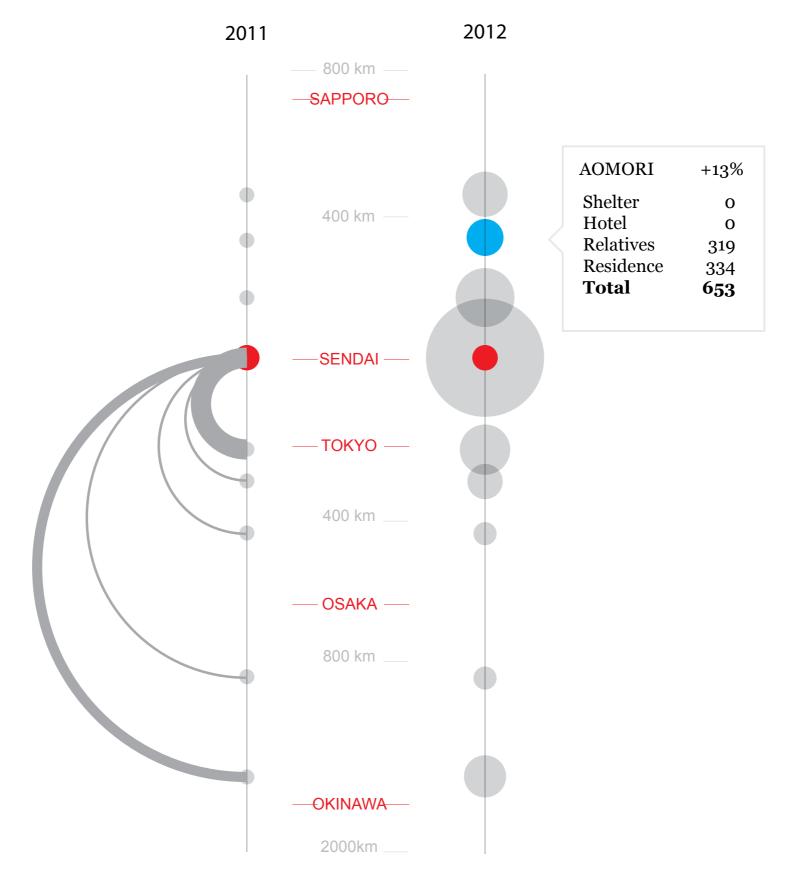




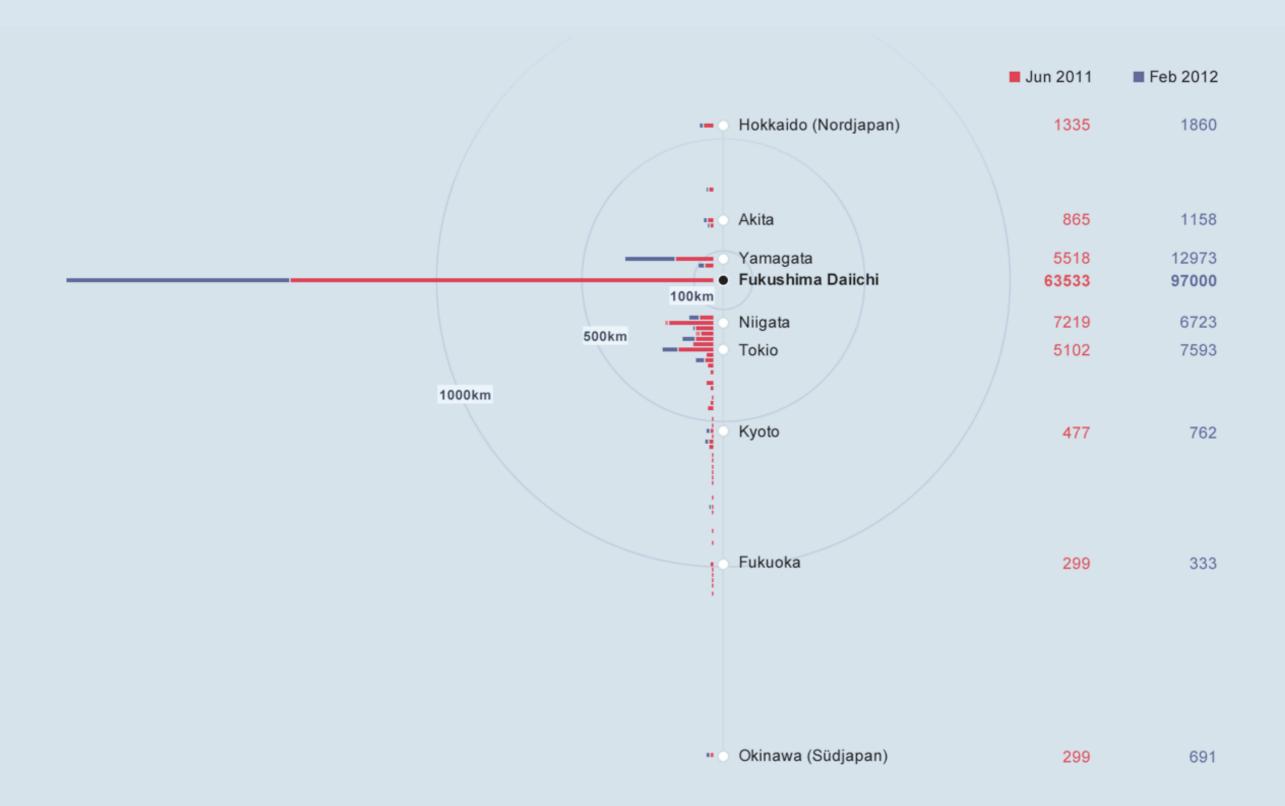


South Japan

North Japan



South Japan



Visualisierung: Strahlendosis

Sievert (Einheit)

Das Sievert (Einheitenzeichen: Sv, nach dem schwedischen Mediziner und Physiker Rolf Sievert) ist die Maßeinheit verschiedener gewichteter Strahlendosen. Sie dient zur Bestimmung der Strahlenbelastung biologischer Organismen und wird bei der Analyse des Strahlenrisikos verwendet. Das Sievert wird als Einheit herangezogen für:

- Äquivalentdosis H;
- Effektivdosis D_{eff};
- Organdosis $H_{\mathbf{T}}$.

Da eine Äquivalentdosis von 1 Sv ein sehr großer Wert ist, werden die üblicherweise vorkommenden Werte mithilfe eines SI-Präfixes in Millisievert (1 mSv = 0,001 Sv = 10^{-3} Sv) oder Mikrosievert (1 µSv = 0,000 001 Sv = 10^{-6} Sv) angegeben.

Inhaltsverzeichnis [Verbergen]
1 Strahlenbelastung und Grenzwerte
1.1 Deutschland
1.2 Japan
2 Bezug zu anderen Einheiten
2.1 Gray
2.2 Rem (veraltete Einheit)
2.3 Becquerel
3 Einzelnachweise

Einheit			
Norm	SI-Einheit		
Einheitenname	Sievert		
Einheitenzeichen	Sv		
Beschriebene Größe(n)	Äquivalentdosis		
Größensymbol(e)	H, D		
Dimensionssymbol	L^2T^{-2}		
In SI-Einheiten	$1 \operatorname{Sv} = 1 \frac{\operatorname{J}}{\operatorname{kg}} = 1 \frac{\operatorname{m}^2}{\operatorname{s}^2}$		
Benannt nach	Rolf Sievert		
Siehe auch: Becquerel, Gray			

Strahlenbelastung und Grenzwerte [Bearbeiten]

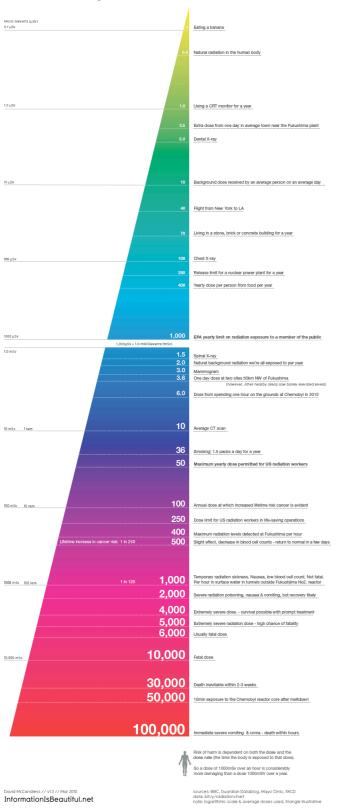
Deutschland [Bearbeiten]

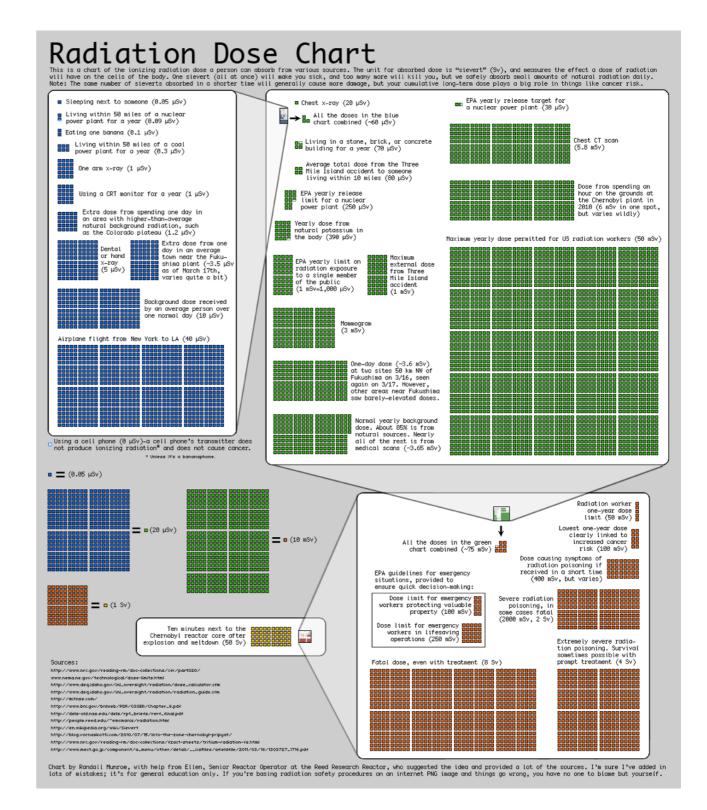
Als Vergleich zur Beurteilung eines Strahlenrisikos kann die natürliche Strahlenbelastung dienen, in Deutschland wird für deren Äquivalentdosis H ein mittlerer Wert von 2,4 mSv pro Jahr zugrunde gelegt. Die folgenden Grenzwerte gelten für Deutschland zusätzlich zur natürlichen Strahlung:

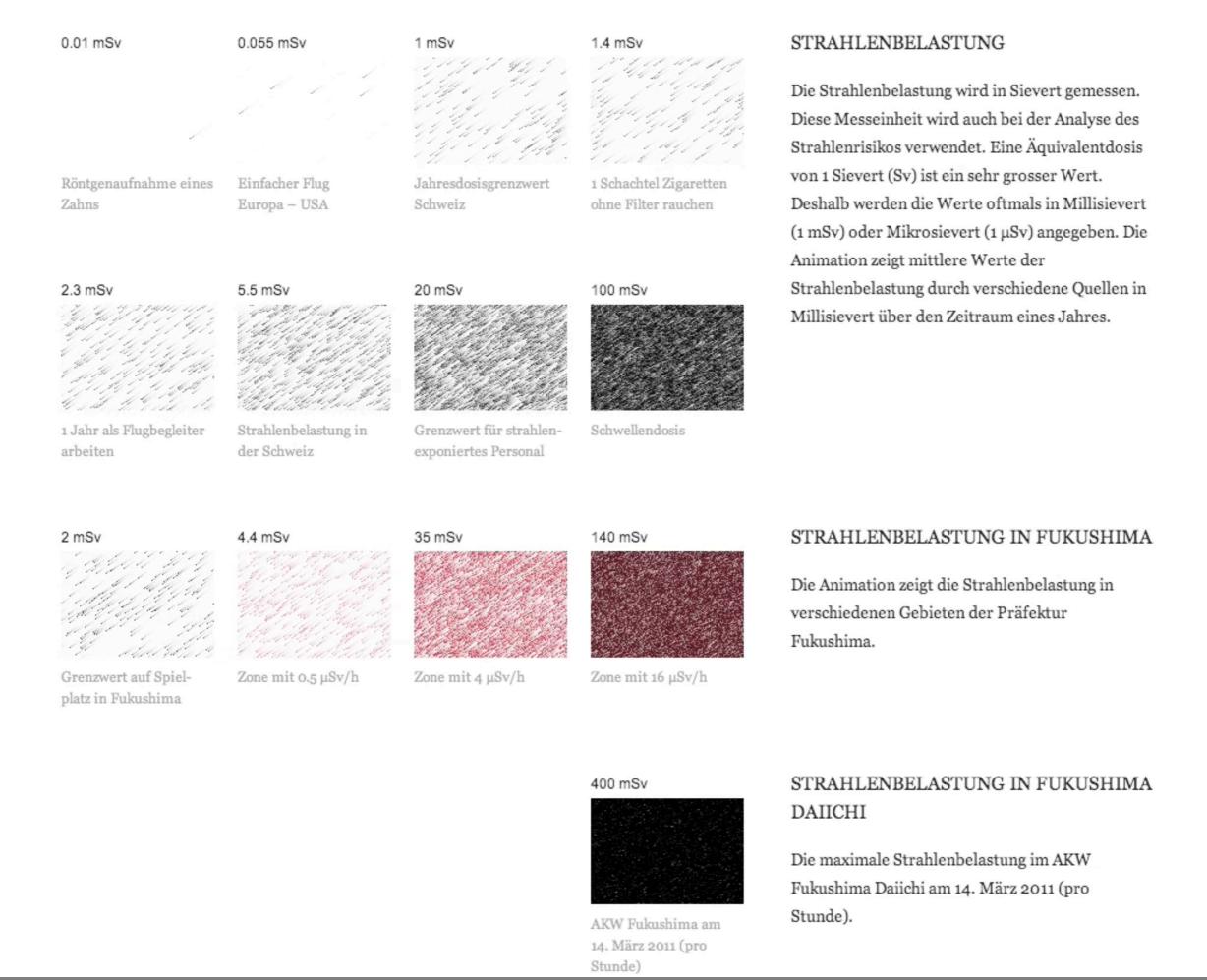
Unbedenkliche Dosisleistung	Eingreifrichtwert für langfristige Umsiedlung
1 mSv (1.000 μSv) pro Jahr ^[3]	100 mSv (100.000 μSv) pro Jahr ^[4]
0,02 mSv (20 µSv) pro Woche	2 mSv (2.000 μSv) pro Woche
0,003 mSv (3 μSv) pro Tag	0,3 mSv (300 μSv) pro Tag
0,000 1 mSv (0,1 µSv) pro Stunde	0,01 mSv (10 µSv) pro Stunde

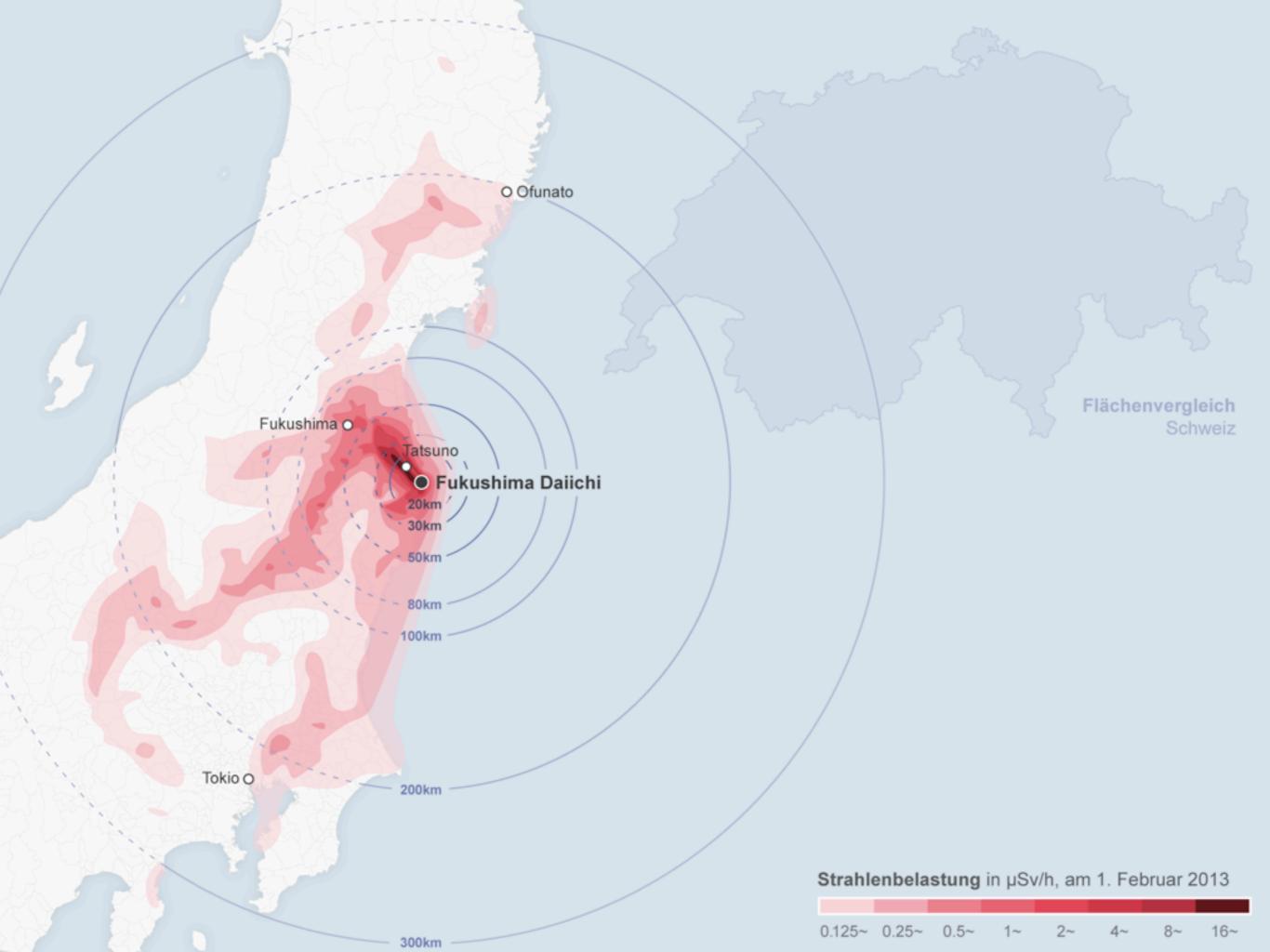
Klinische Symptome der Strahlenkrankheit 150 mSv (150.000 μSv) als integrierte Dosis^[5]

Radiation Dosage Chart









Merci!