DMARC Update

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JPAAWG 3rd General Meeting

2020.11.11 – 11.12

Update for Post-Conference Version

- The original slides were presented with video narration at the third JPAAWG Meeting in November 2020
- This version is being posted for reference, and for those who could not attend the meeting
- Since the narration isn’t available, slide animations have been removed
- Many slides have been altered to make sense without additional commentary

IETF DMARC Activity

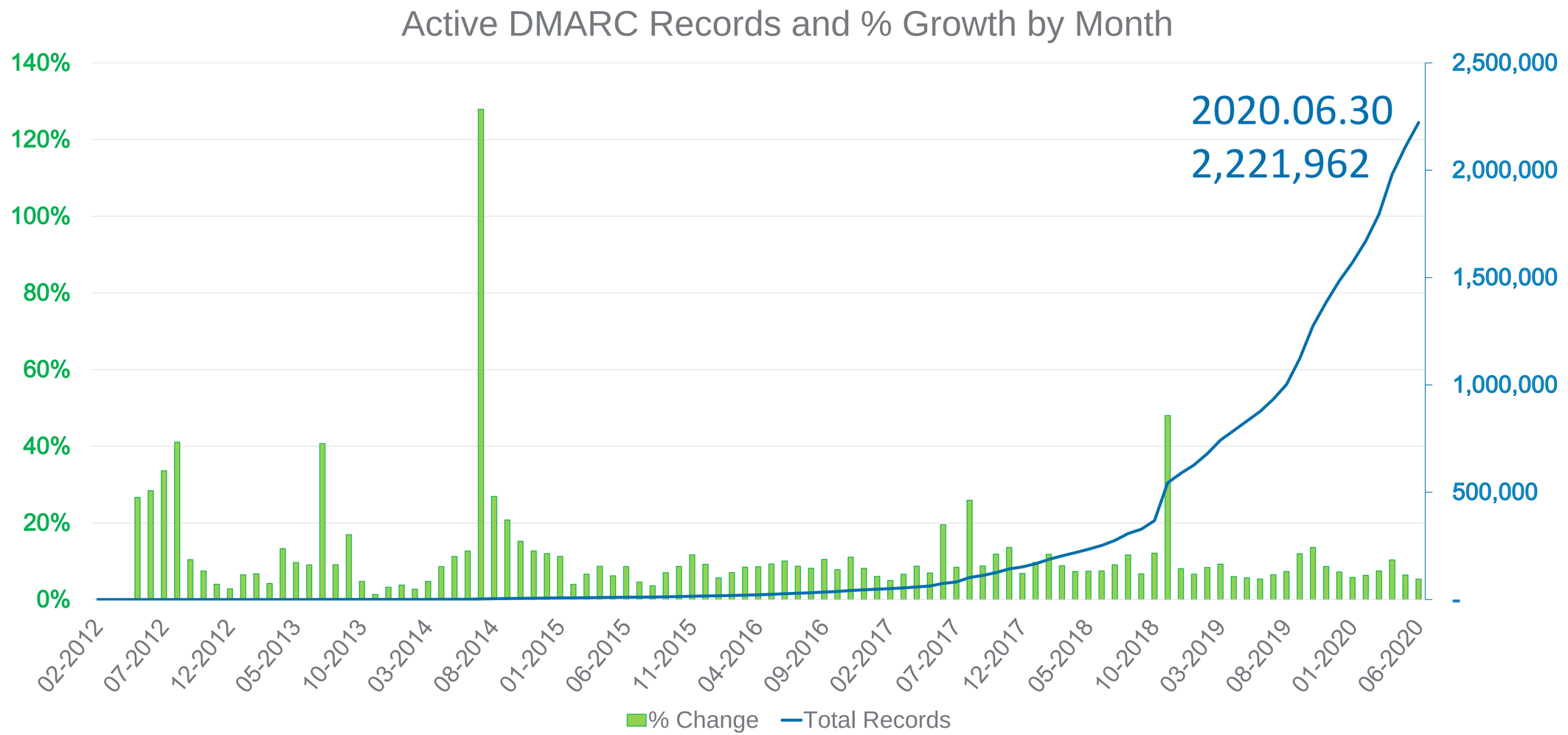
- Draft: DMARC Extension for Public Suffix Domains
  - Several updates, publication is pending
- Draft: DMARC Use of the `RFC5322.Sender` Header
  - Allow domains to signal DMARC alignment with `Sender:` and `From:` address
  - Would allow Intermediaries to alter `From:` header without failing DMARC alignment
  - Link: https://tools.ietf.org/pdf/draft-ietf-dmarc-sender-00.pdf
- Work on DMARCbis increasing
  - Moving DMARC to Internet Standard track

Farsight Security DNS Data

- Sensors located at network providers around the world
- Response data – the answer – is timestamped and stored
- Sensors only see records when somebody looks them up

- DMARC.org only includes valid records still published in DNS, and are tracked by when they were first published
  - The set of active records changes over time

Active DMARC Records – 2Q 2020



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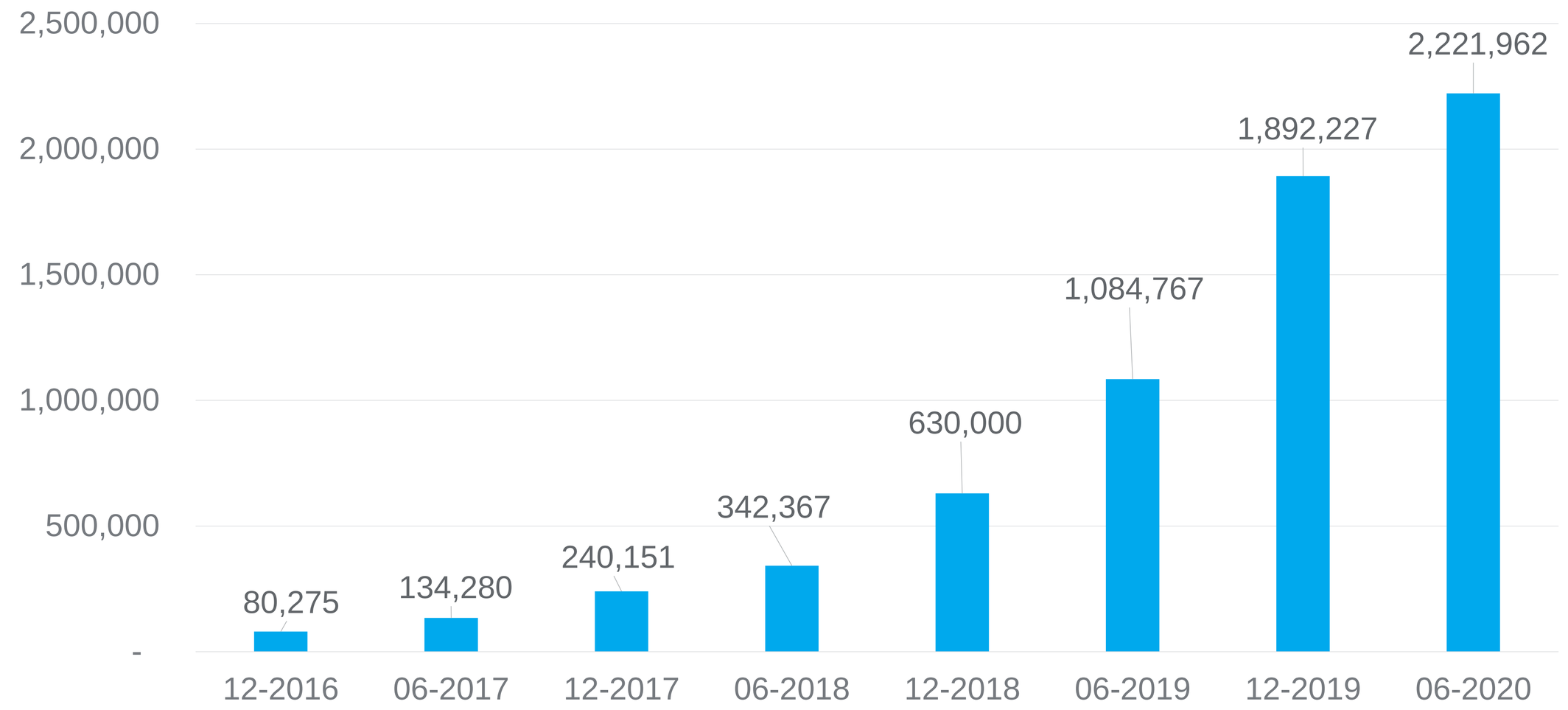
Source: DMARC.org

Active DMARC Record Growth



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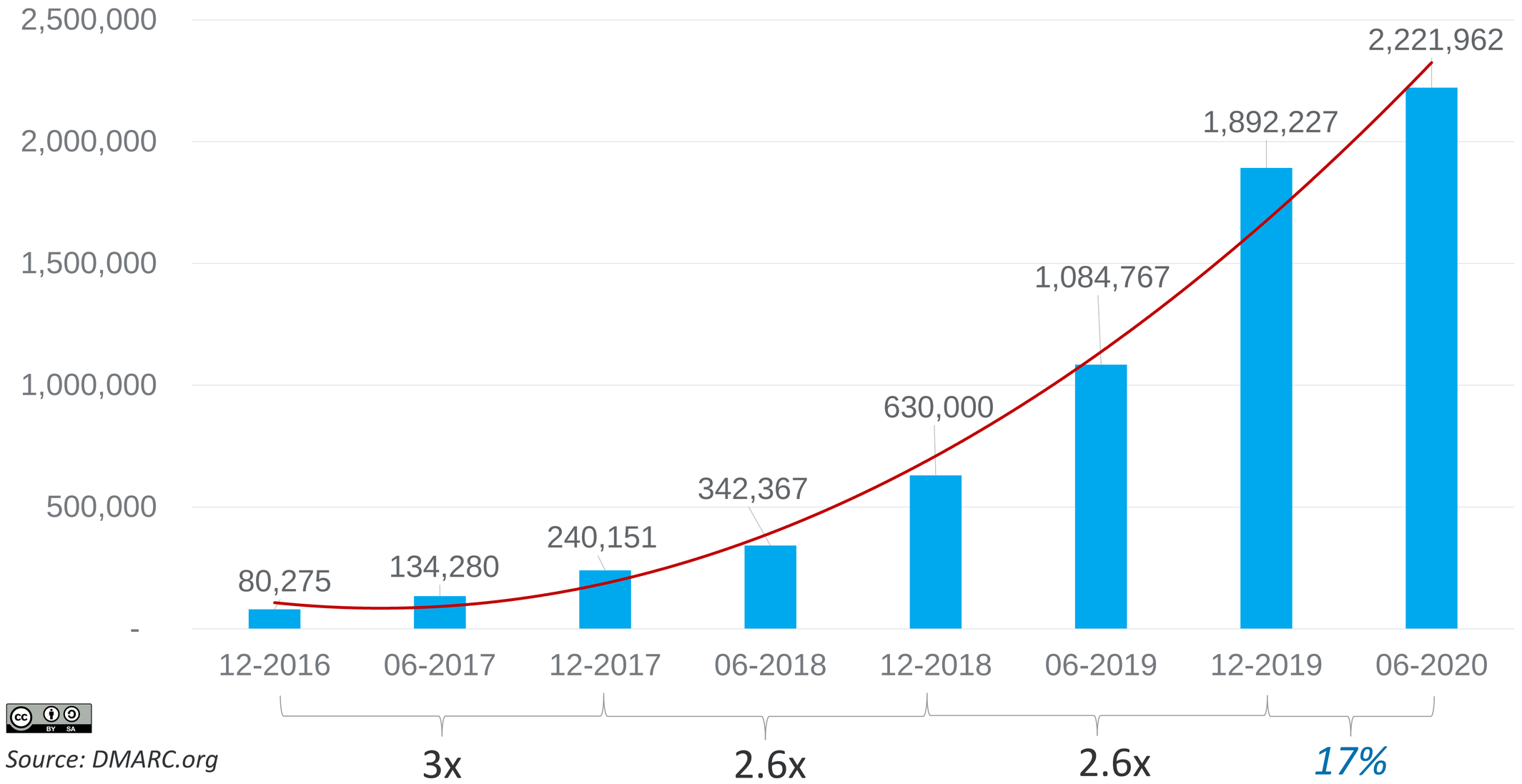
Source: DMARC.org

Active DMARC Record Growth Slowing?



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Source: DMARC.org

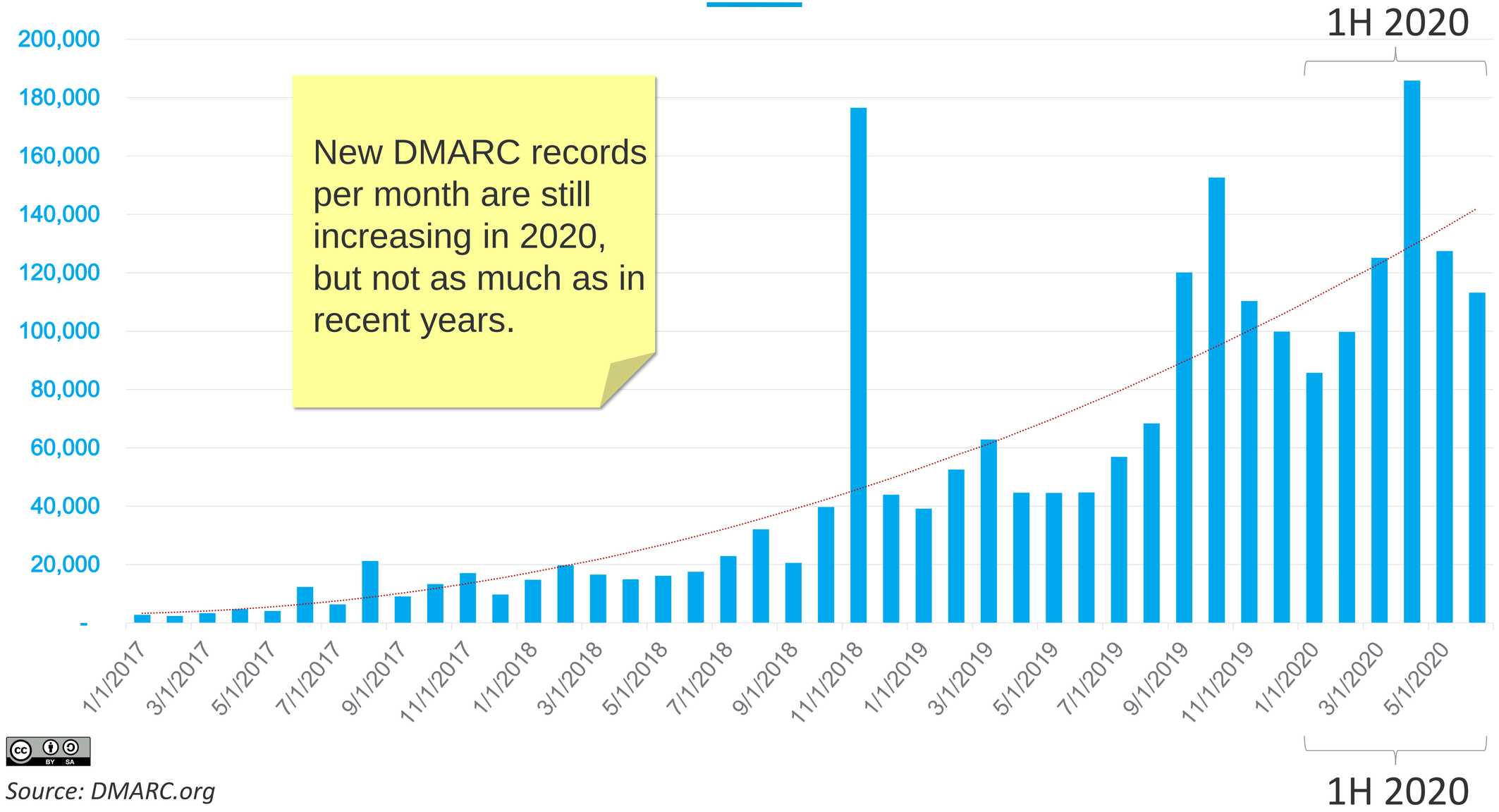
Active DMARC Record Growth Slowing?

- How does that compare to the first half of prior years?

1H 2017	1H 2018	1H 2019	1H 2020
67%	42%	72%	17%

- So yes, the rate of growth *for the first six months* has slowed significantly
- Pandemic related? Will it continue through 2H 2020?

New DMARC Records Each Month



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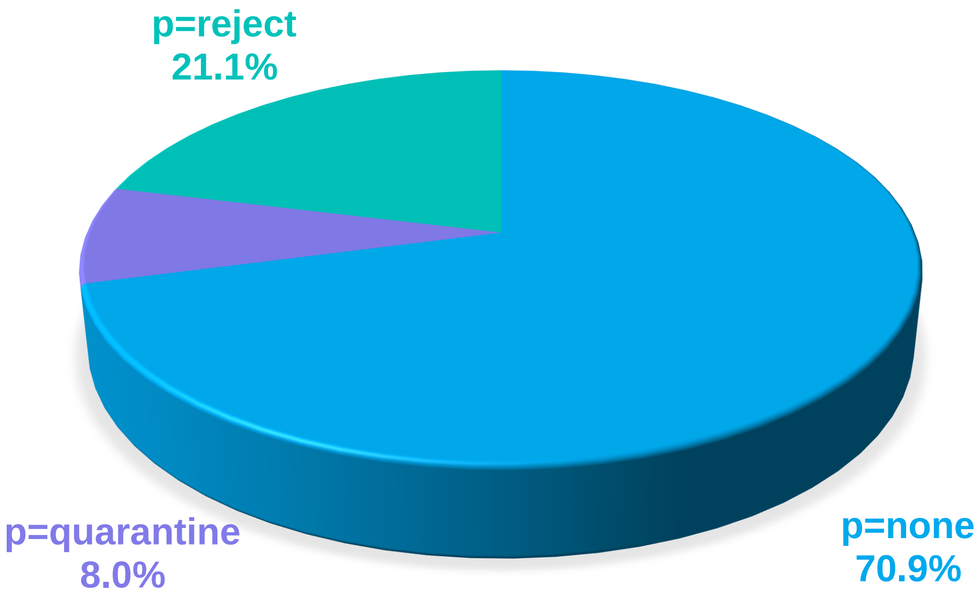
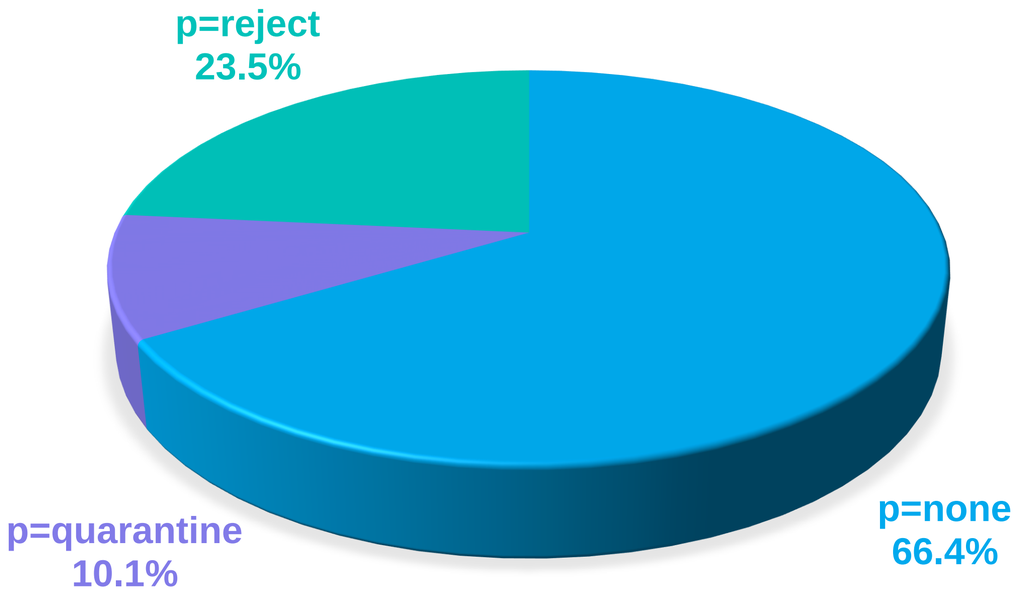
Source: DMARC.org

Policy Breakdown of Active DMARC Records



2019.12.31



2020.06.30

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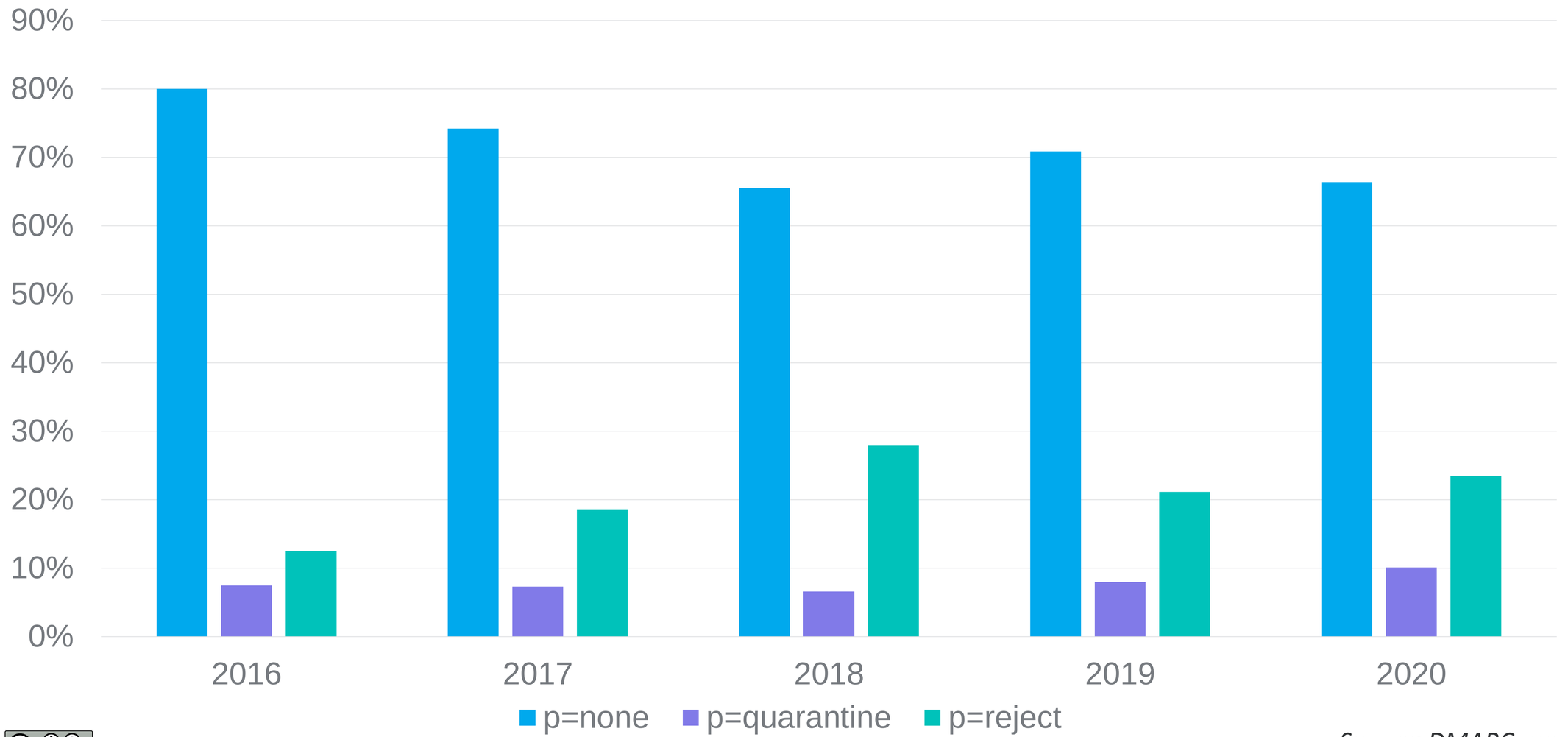
Source: DMARC.org

DMARC Policies By Year



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Source: DMARC.org

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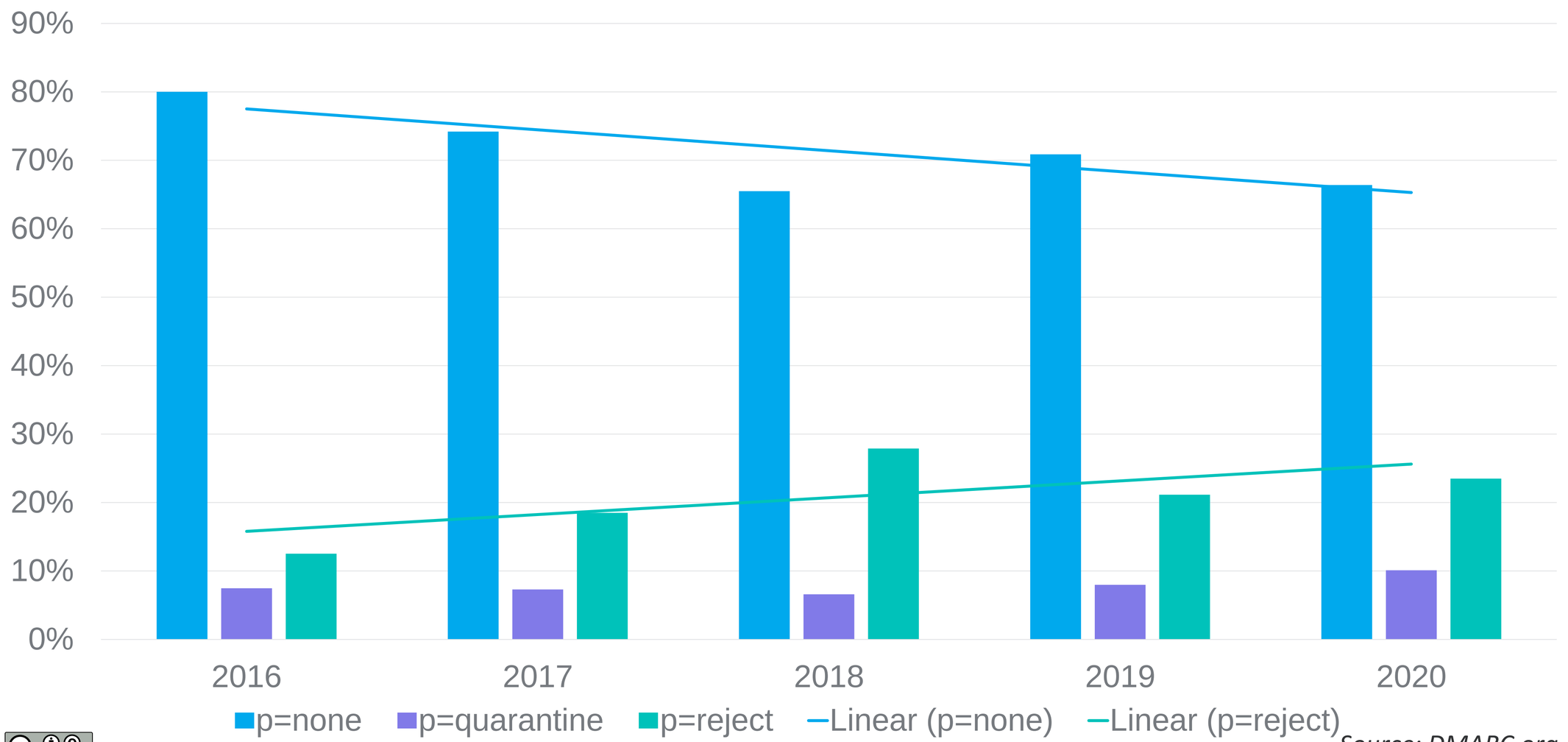

Source: DMARC.org

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Looking For Users of ARC

2019

- IETF's `ietf@ietf.org` mailing list
  - First message 2019.06.25 from Office 365 customer
  - 4.7% of posts since then had an ARC Seal

2020

- IETF's `ietf@ietf.org` mailing list
  - 7,956 messages since 2019.06.25
  - 5.8% of posts since then had an ARC Seal

Several groups are looking into ways to measure ARC adoption

Perhaps there will be an update for M3AAWG 51…

ありがとうございました

Thank you