

# C++ Usage In Work Environment Survey Results



Inbal Levi

# Special Thanks!

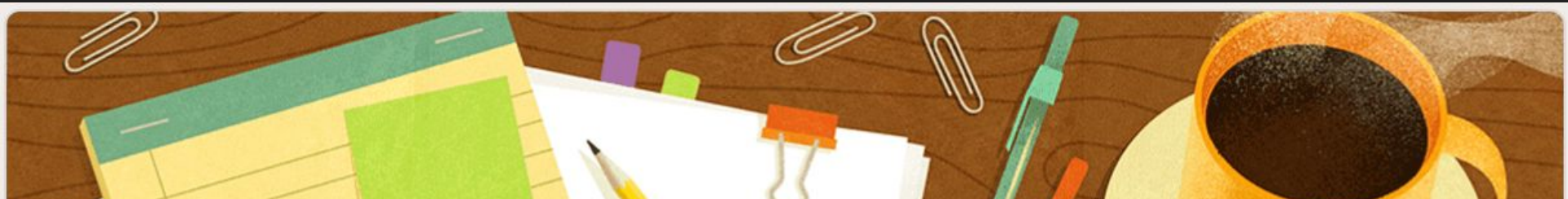
Adi Shavit, Michael Gorshtein

People Responded: ~~~ 740 Answers! ~~~



# Disclaimers:

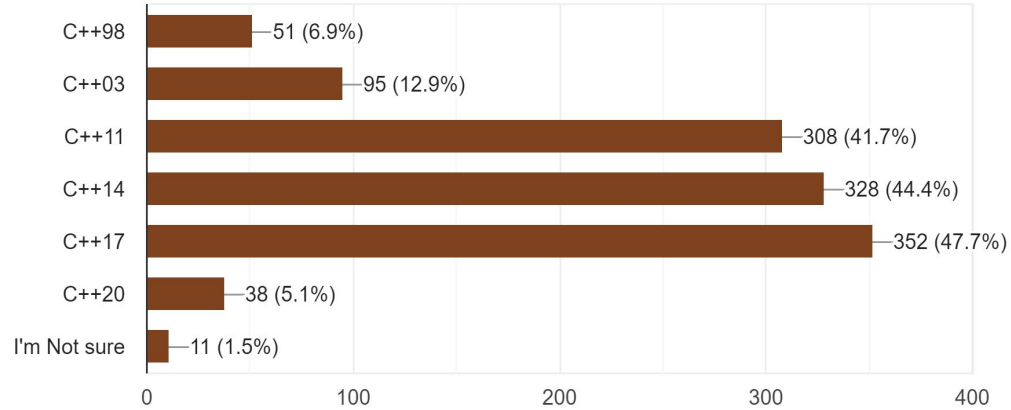
- This is not an Academic survey.
- I was aiming for keeping it light.
- The people who answered are the ones who are more involved.
- The people who answered are probably optimistic.



# Results

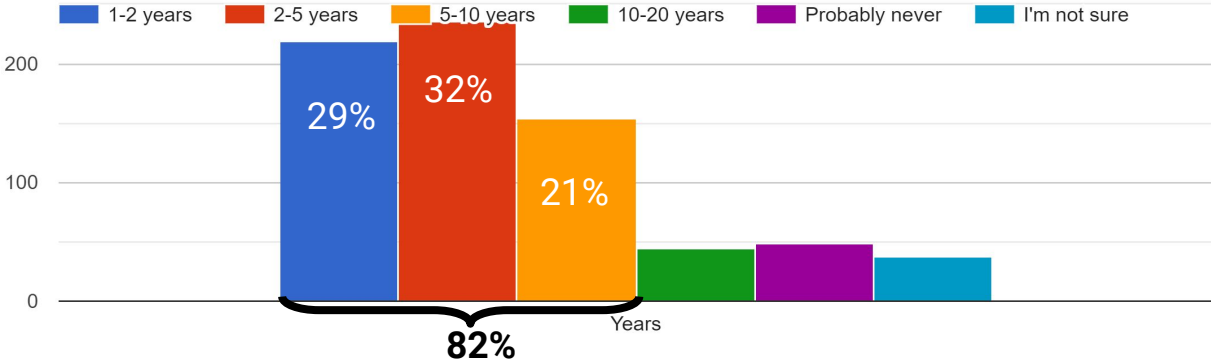
1. What are the main C++ versions used in your workplace? (Non exclusive)

738 responses



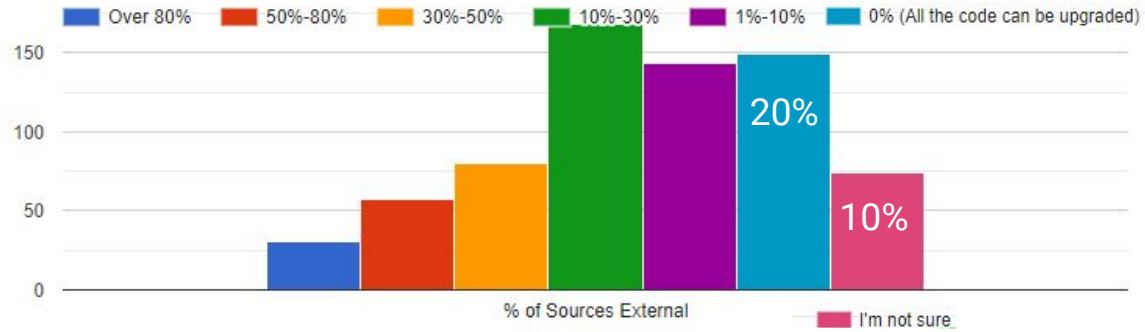
# Results

7. How long do you believe it will take your company to move to C++20 in its main project, according to your past experience?



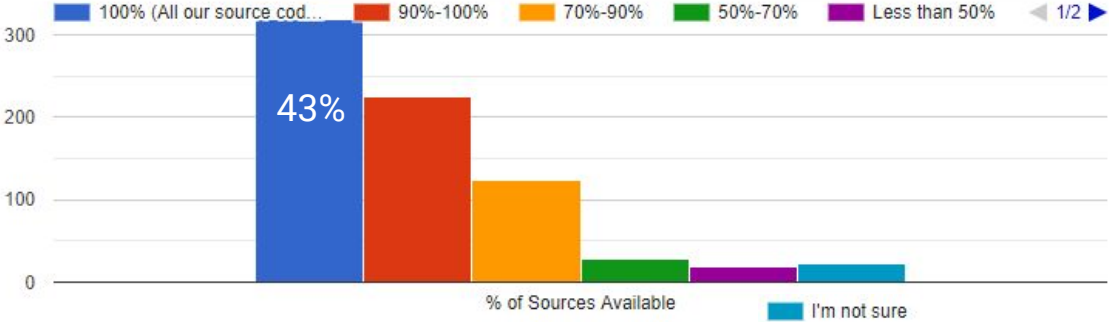
# Results

6. Please evaluate - how much of your code relies on C++ libraries and code you can't update (for example - your product relays on C++ libraries provided by the environment, vs. your product shifts with all its C++ libraries)



# Results

5. Please evaluate - what percentage of your product's code can you compile from source?  
(Code that can't compile from source would be: code that was bought as binary from an external company, code ported as binary from a project that doesn't exist anymore, etc.)



# Interesting Comments:

- C++ is so great but with the updates coming up lately, it's been quite stressful learning them.
- Newer doesn't mean better. Simpler, does.
  
- Probably won't "upgrade" to c++20, too much insanity added. We're looking to migrate to C instead.
- Moving to C# now.
  
- I am anxiously awaiting certain C++20 features. P.S. Break the ABI.
- Do NOT consider breaking ABI. Please?



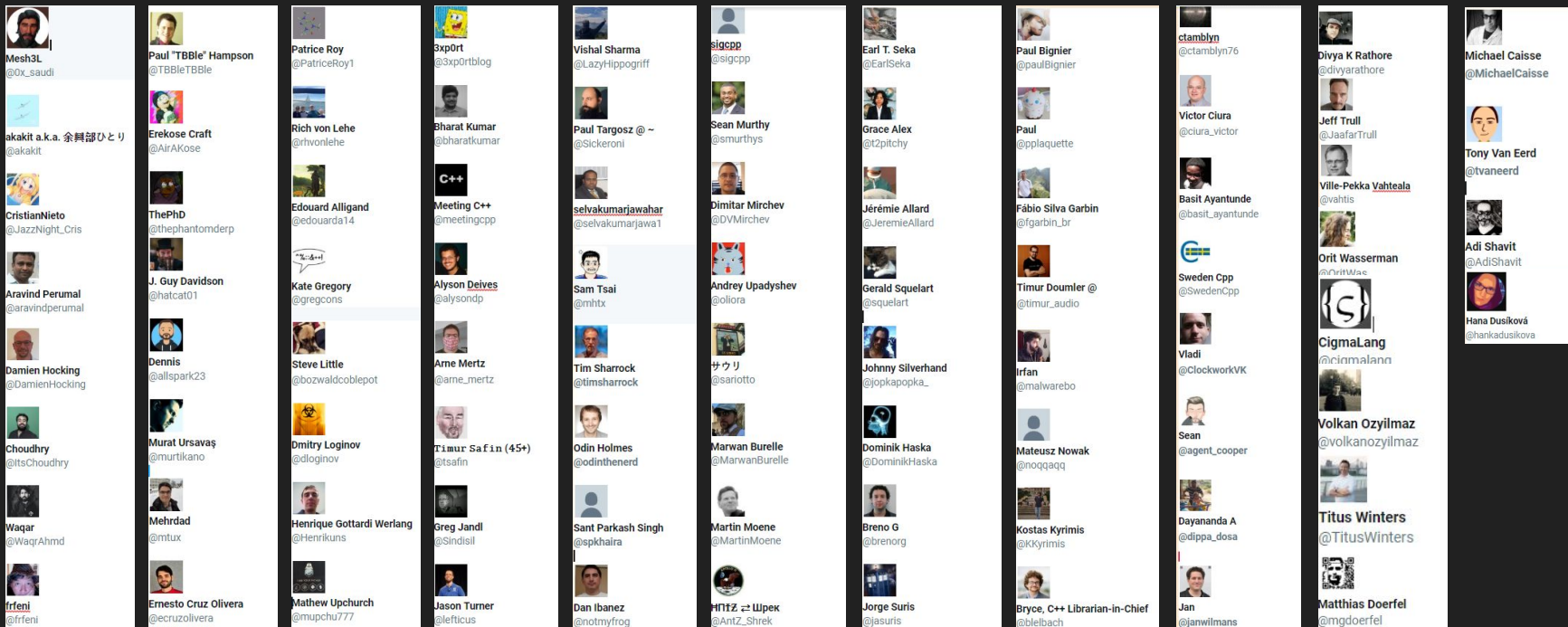


# Takeaways:

- Significant amount of the projects **can update** their environment.
- Significant amount of the developers **doesn't know** if their project contains code that can't be updated. There is overhead in mapping the project.
- There is overhead in preparing the code for update.
- I believe we should provide options for both project types. (can \ can't upgrade)
- Simplicity is very important to the community.



# Thanks!



# Thanks!

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You should fill in this survey. There's cake at the end!

