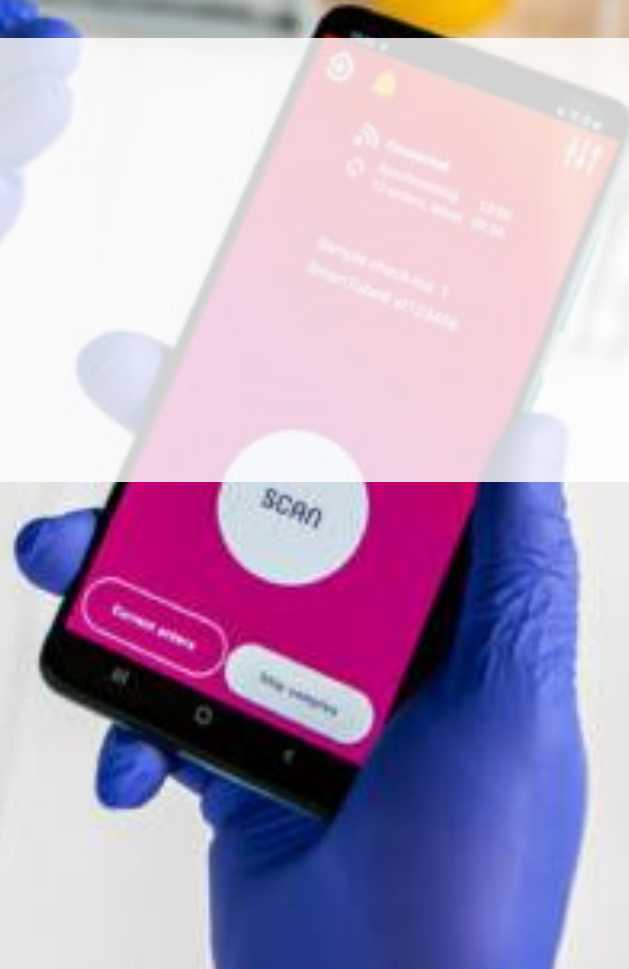
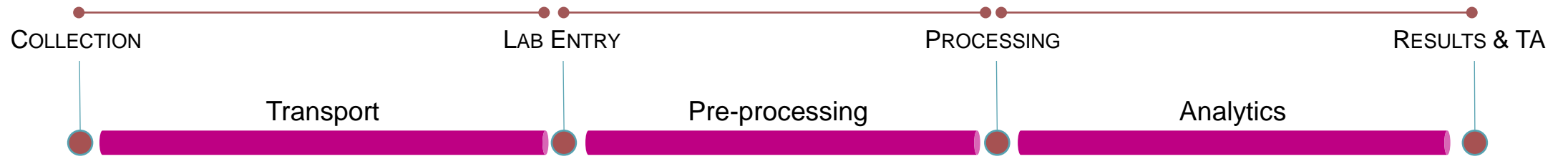


# Smart4Diagnostics

digitizing pre-analytics



# Lab TAT Overview



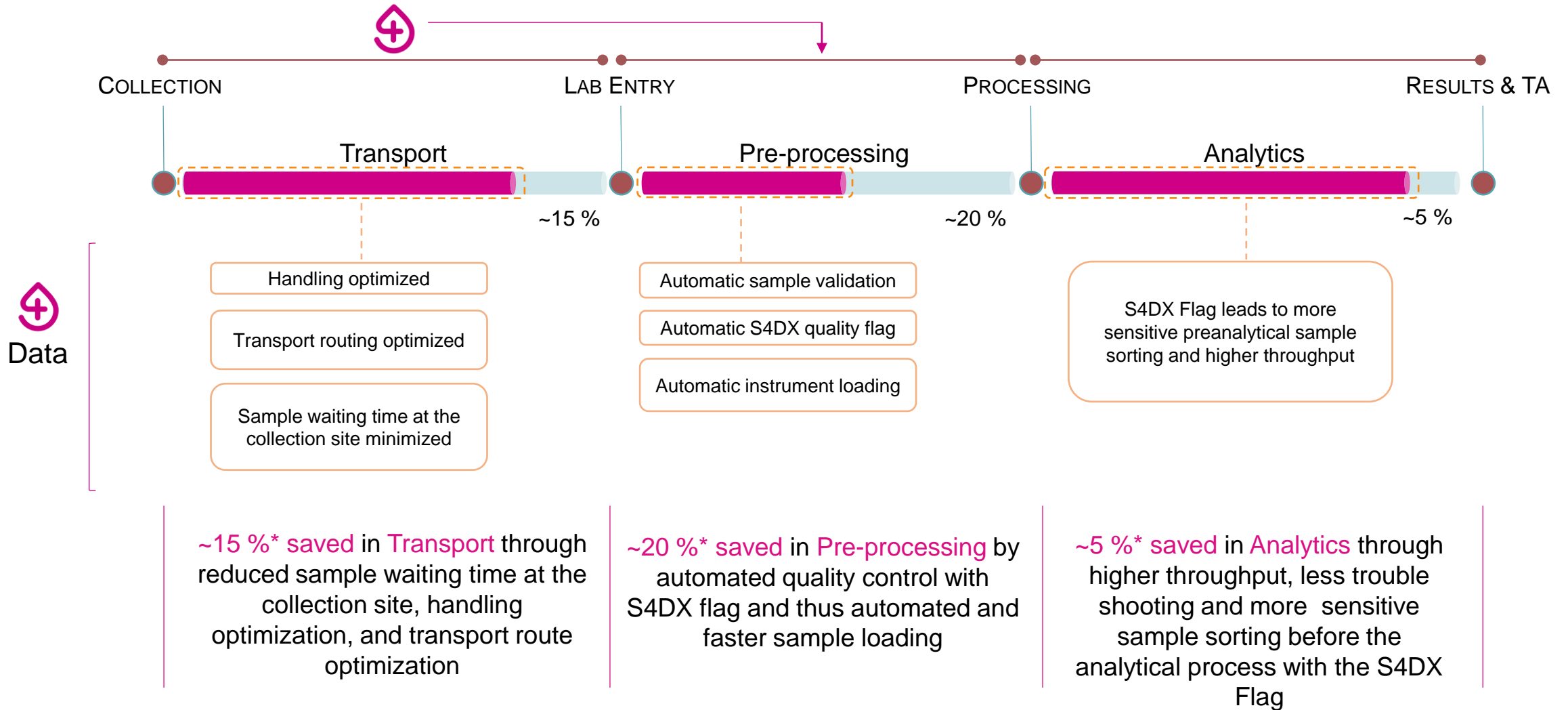
TAT (collection to result) is in average 5.5 hours

**Pre-analytics accounts for 75% of TAT**

(1)

(1) Goswami, B., Singh, B., Chawla, R. et al. Turn Around Time (TAT) as a Benchmark of Laboratory Performance. *Ind J Clin Biochem* **25**, 376-379 (2010). <https://doi.org/10.1007/s12291-010-0056-4>

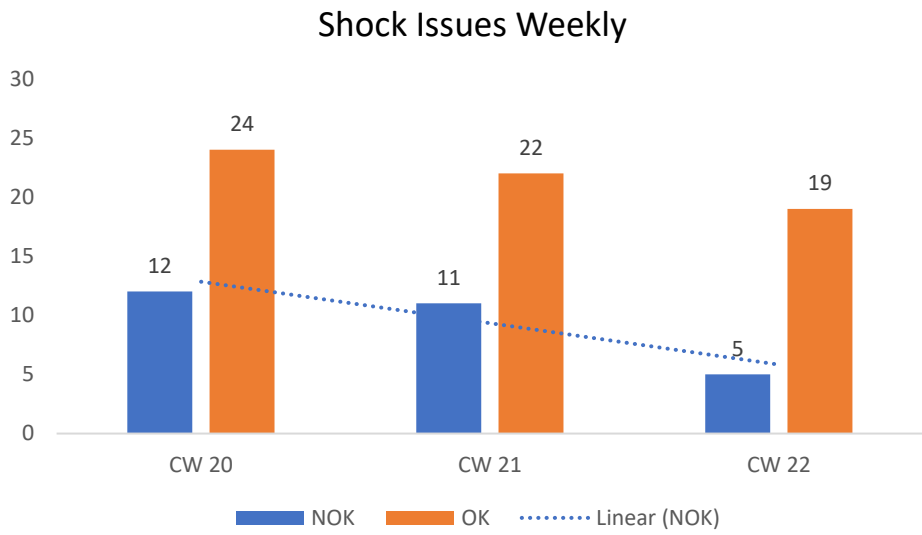
# S4DX - a game-changer for LAB TAT



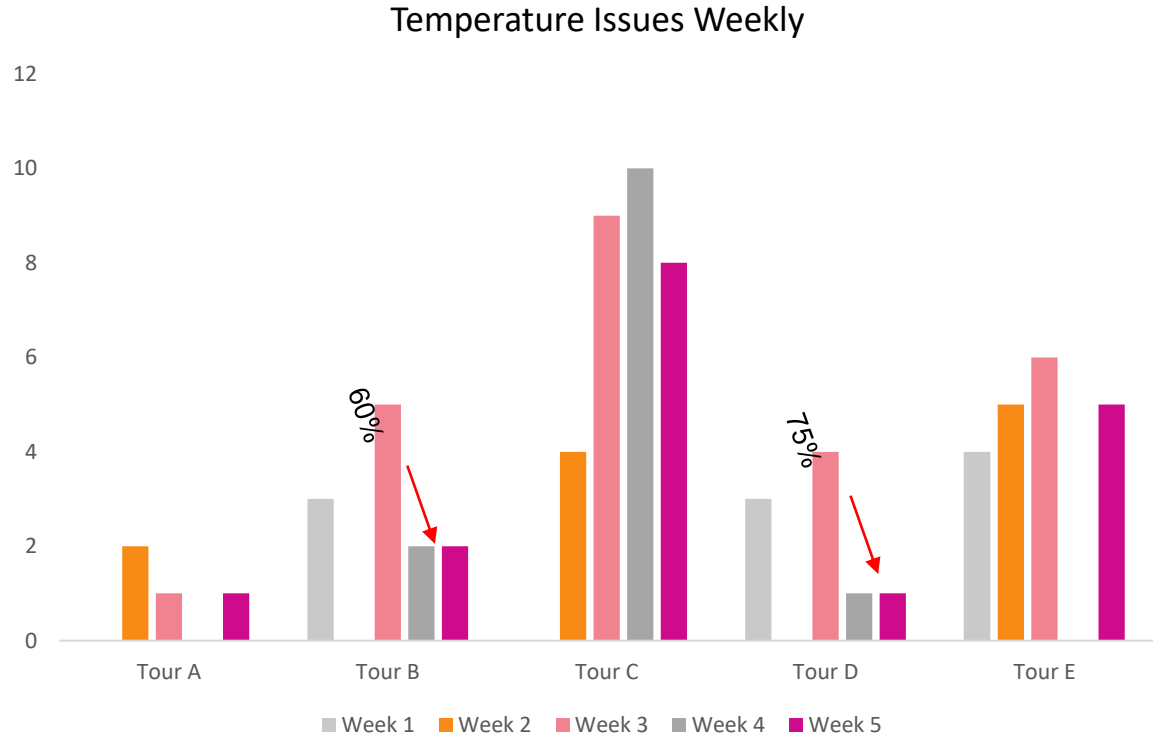
\*this depends on individual lab setting and level of digitalization and automatization at the lab

# S4DX - Reduction of shock and temperature issues, customers in Germany 2022

## Shock and Temperature events highly impact the quality of samples being transported



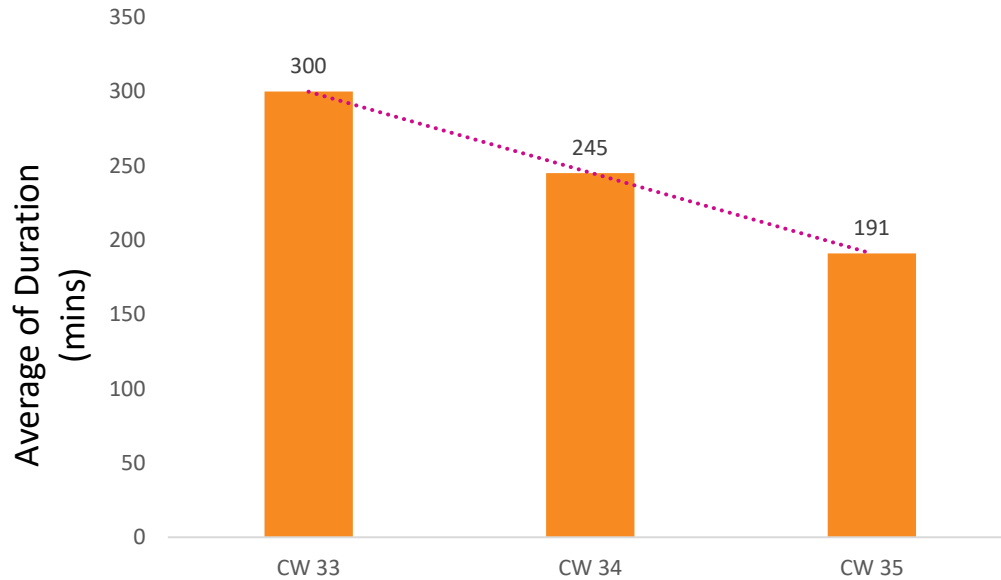
Shock Issues reduced by more than **58.3%** within three weeks.



Overall temperature issues reduced significantly from week 3 onwards. Tour B and Tour D with the most **improvements at 60% and 75%** respectively

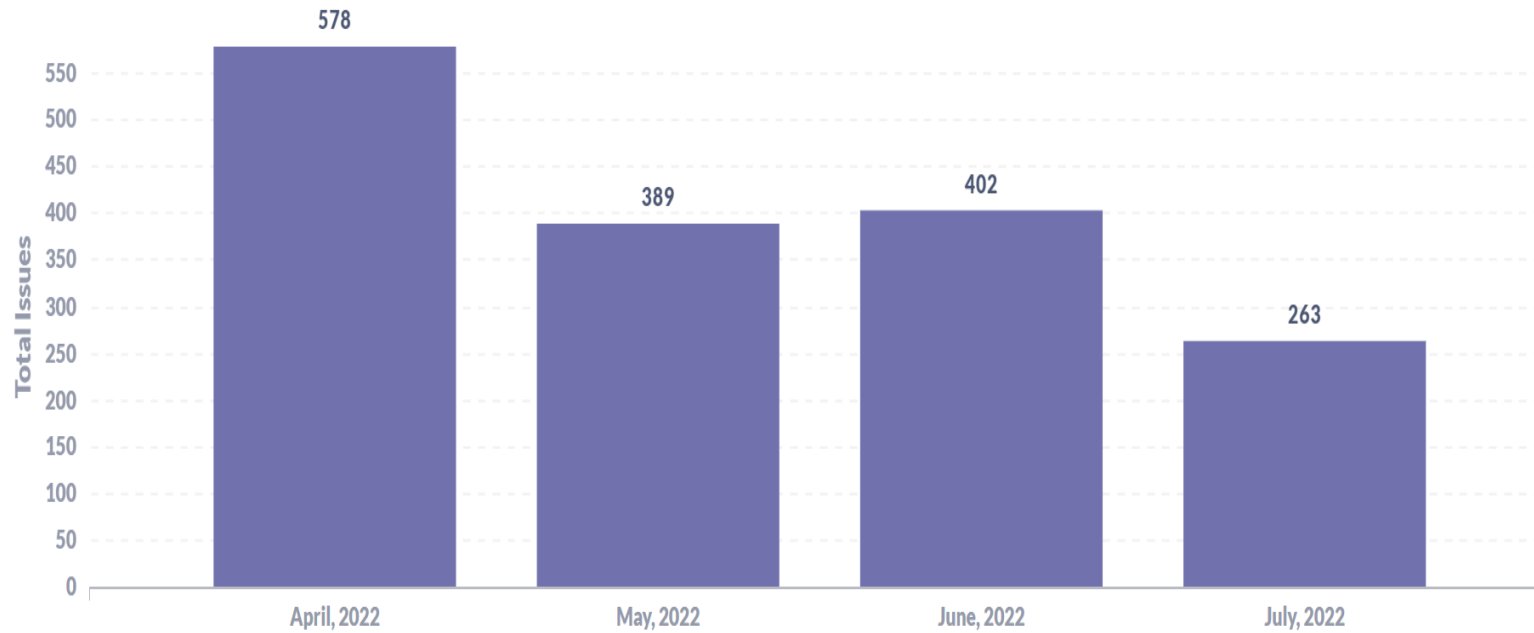
# S4DX - Customer in Germany 2022 using the S4DX Transport Flag

## Transports Route Optimization



- By identifying the flagged transports, majority of the flagged transports had delay issues.
- On average, transports took 5 hours to complete.
- Through route and collection site optimization, **the average was brought down by almost 2 hours which is a 36.3% transport duration reduction in 3 weeks.**

# S4DX - Customer in Germany 2022 - Sample issues reduced by more than 50 %

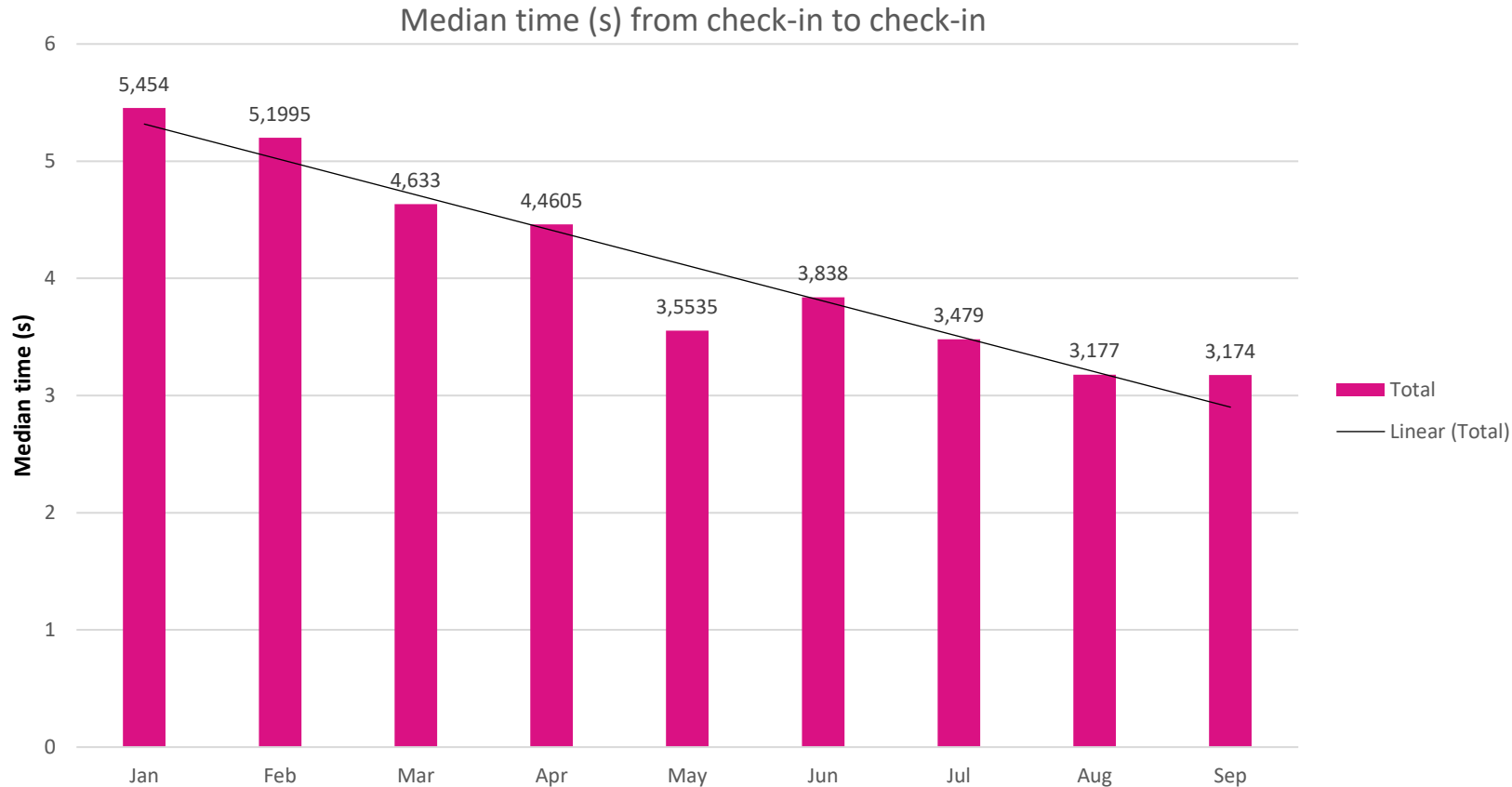


This customer is using the full system with integration.

Samples issues are: Missing samples, filling volume, difficult blood draw, temperature, shock and delay issues during transport.

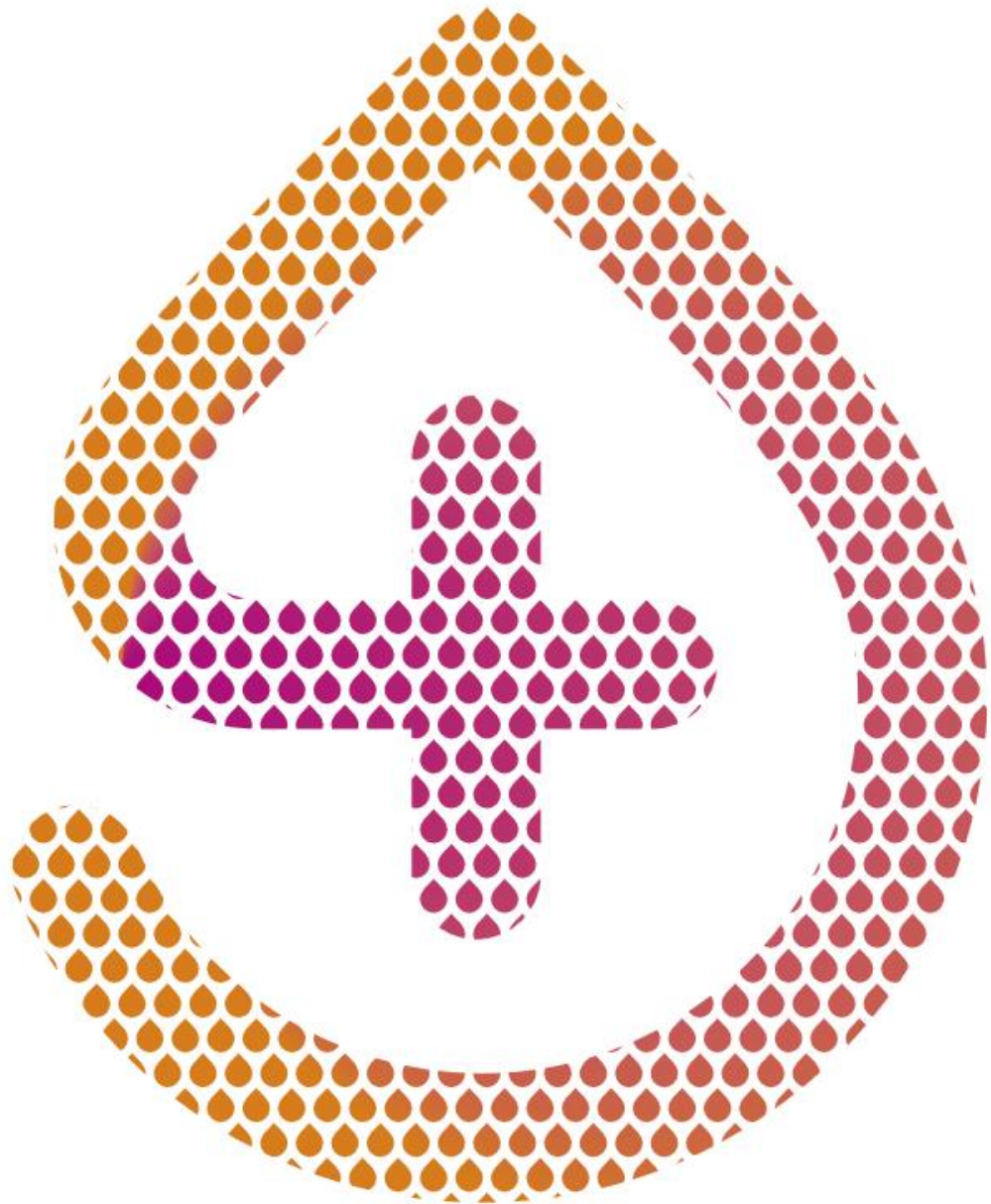
Through identifying these problems, the **total number of issues were reduced by 54.4% in 3 months.**

# S4DX - Study with 4 customers in three countries (DE, AT, TK) over 9 months



- **Time reduction ~42%** (sample to sample registration).
- Clear and evident time and effort saving for Phlebotomist.
- S4DX: the fastest and easiest to use solution on the market.





# S4DX

Smart4Diagnostics

Rupert-Mayer-Str. 44  
81379 Munich / Germany  
+49 177 6875710  
[hans.heyn@s4dx.com](mailto:hans.heyn@s4dx.com)