

U.S. Department of Health & Human Services



Center for
Scientific Review

CSR Presentation to SMRB

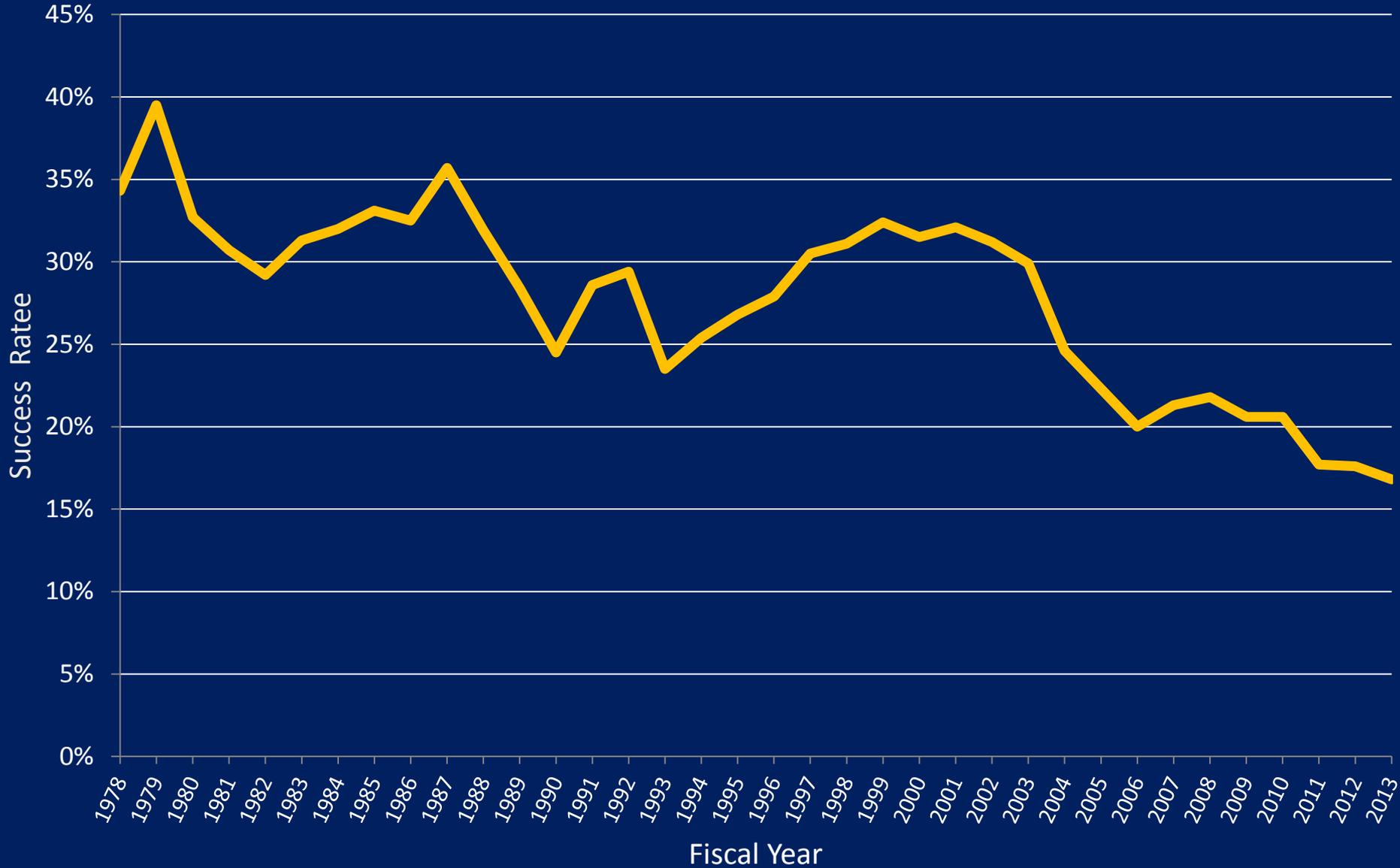
Speeding submission to award

Richard Nakamura

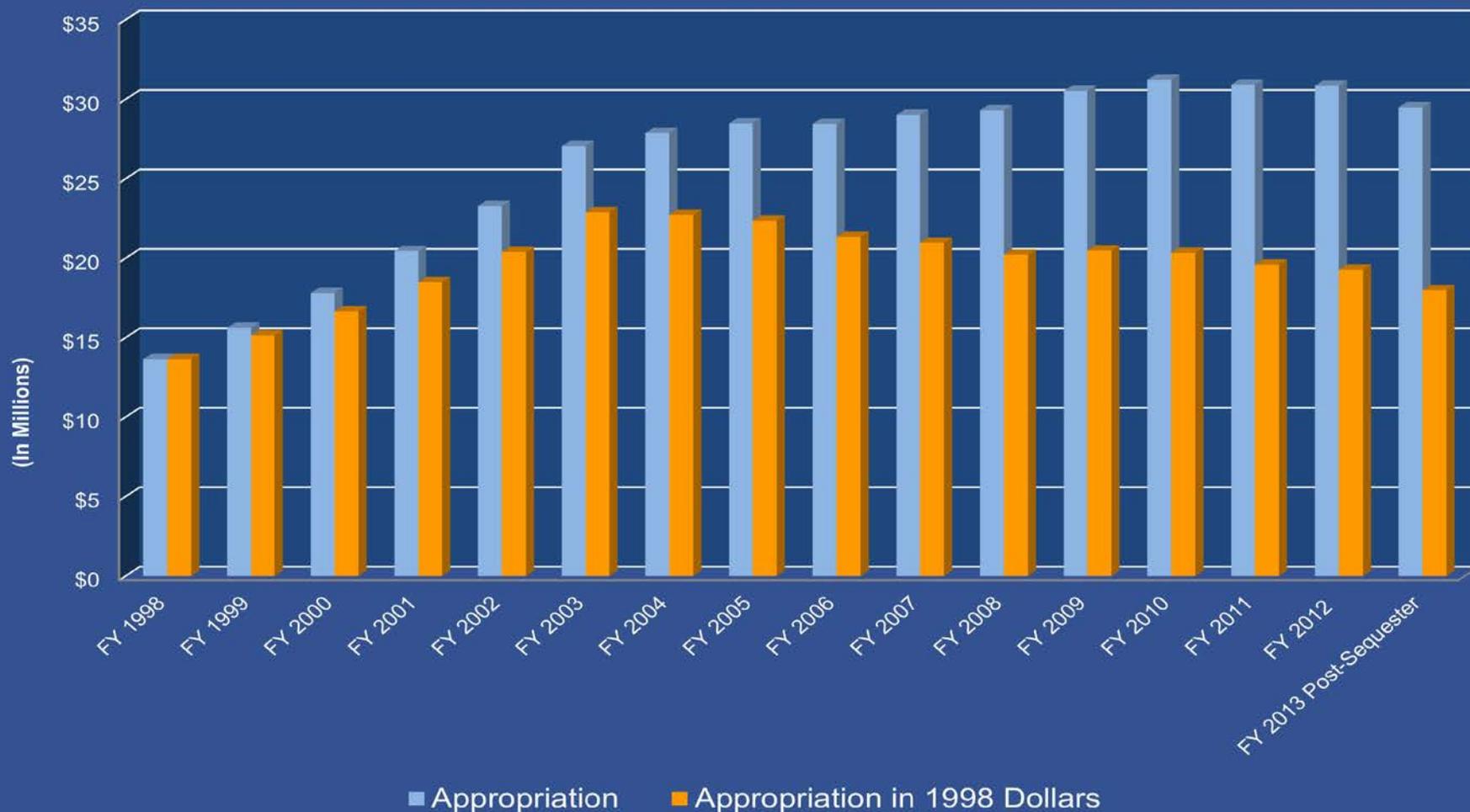
July 2014

Grant Success Rates

FY 1978-2013

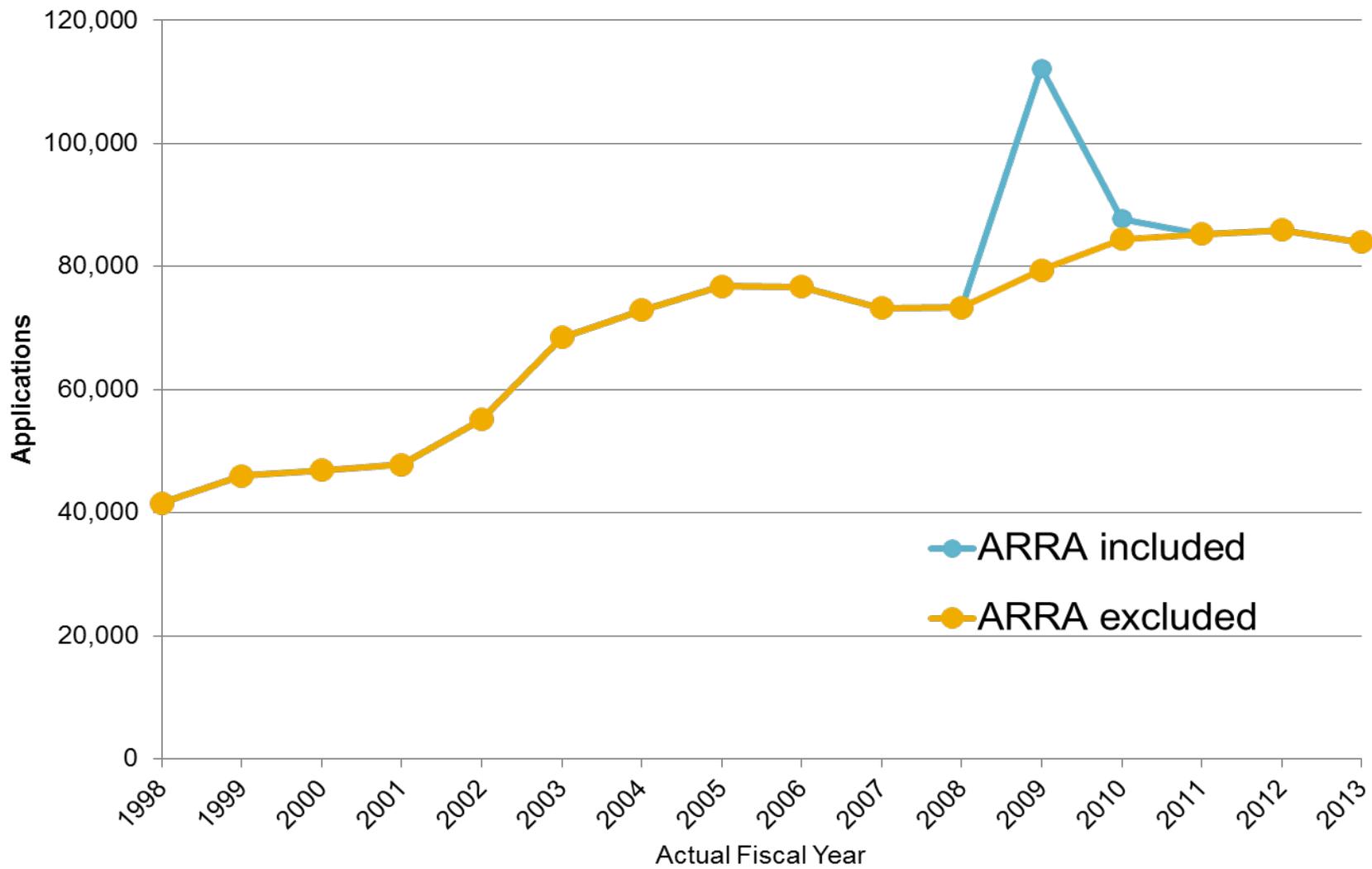


NIH Program Level in Appropriated Dollars and Constant 1998 Dollars



■ Appropriation ■ Appropriation in 1998 Dollars

Number of Applications Received by Fiscal Year



Expectations for CSR

- Highest quality
- Cost effective (cheap)
- Fast

Goals of CSR

- Improve continuously:
 - Fairness of review
 - Quality of review
 - Efficiency of review
 - Morale of staff and reviewers
- Create a science of peer review

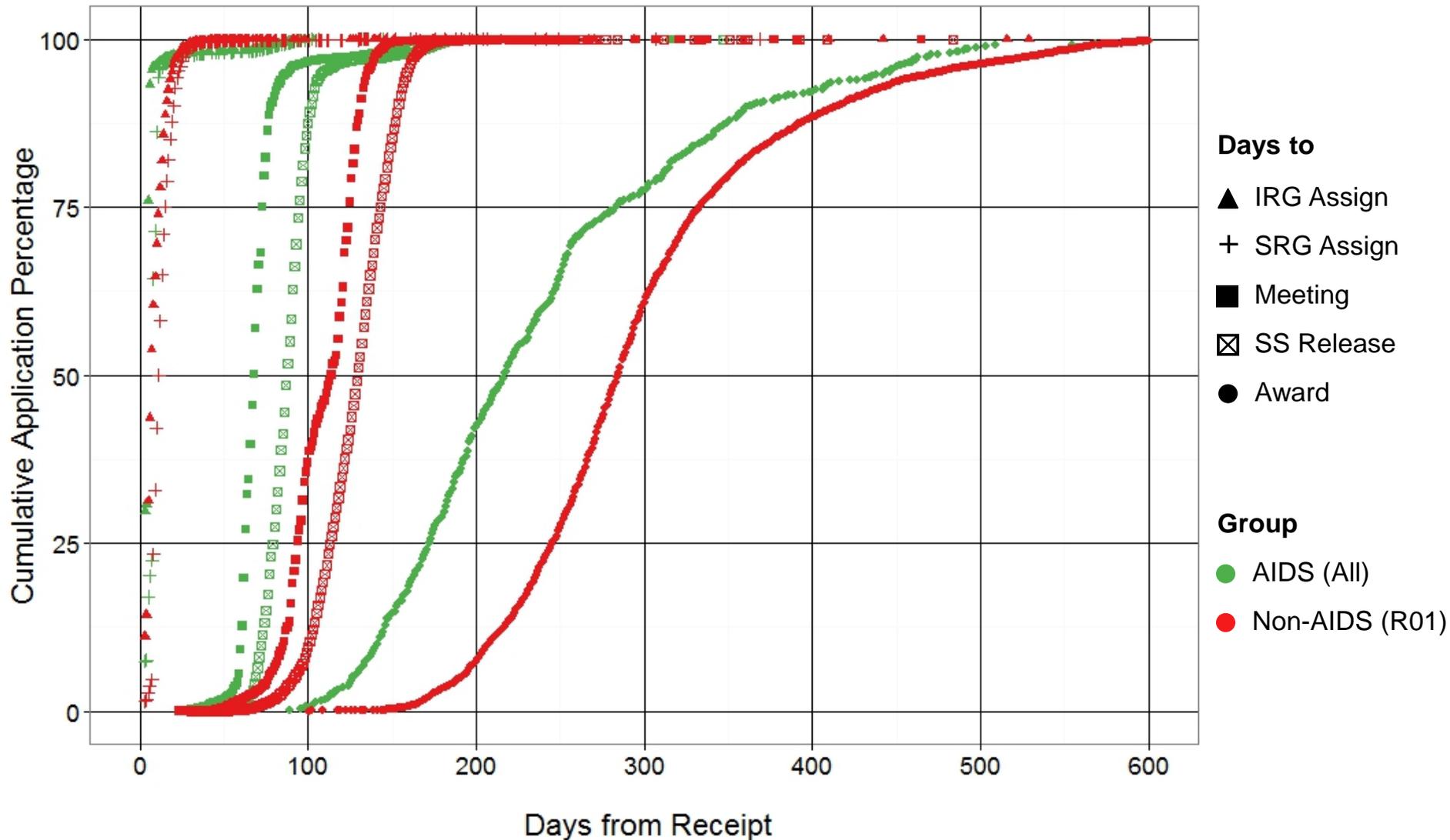
CSR Peer Review – Fiscal Year 2013

- 84,000 applications received by CSR
- 73% of NIH grant applications reviewed by CSR
- 173 standing study sections
- 236 Scientific Review Officers
- 1,500 review meetings
- 17,000 reviewers

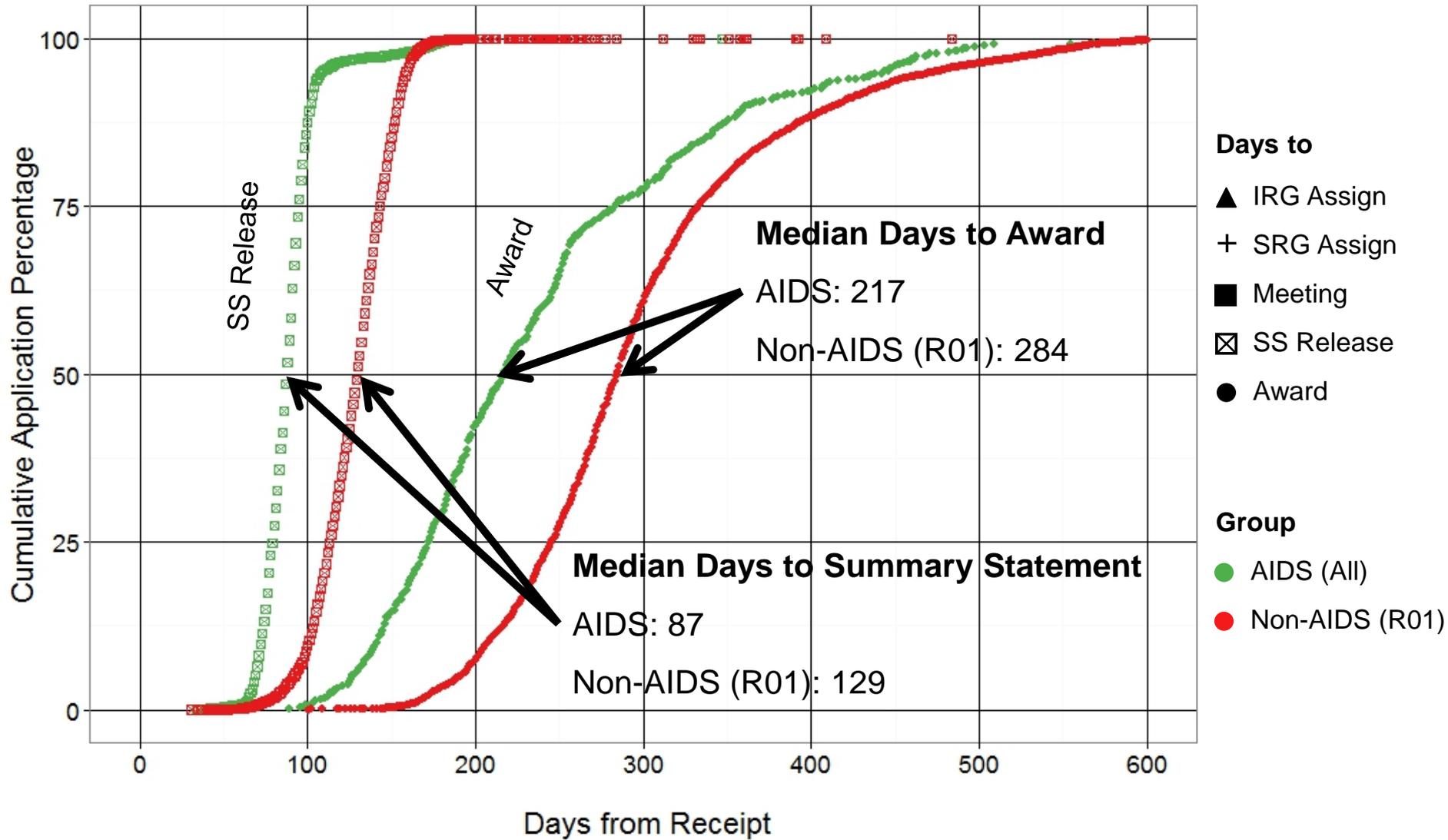
The NIH Peer Review and Award Process



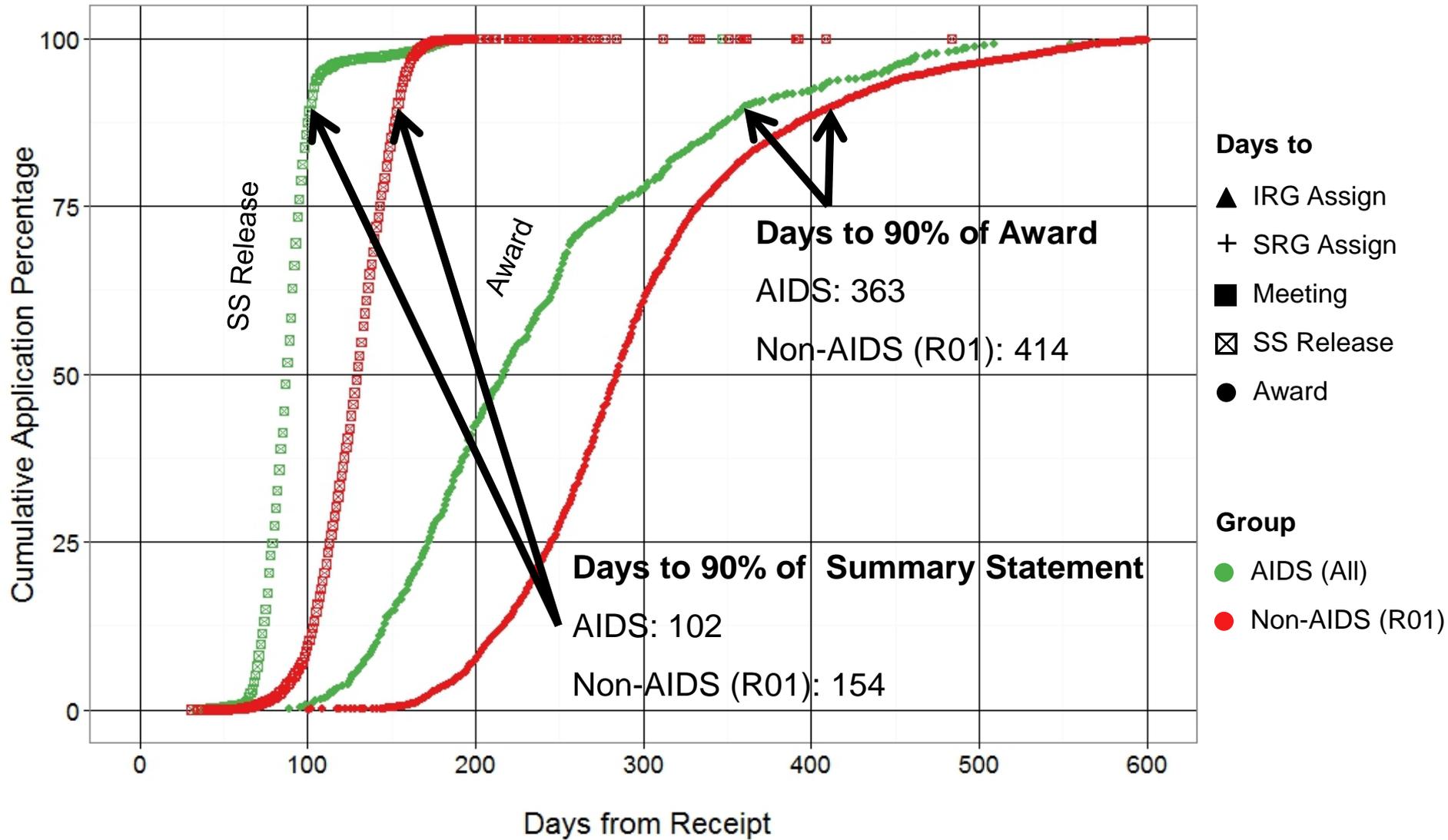
CSR: Kinetics of Peer Review and Award (2010-2012 Chartered)



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R01 Official Review Schedule

Due Dates	Merit Review	Council	Award	To SS	To Awd
Feb 5, Mar 5	Jun-Jul	October	December	7 mo	11 mo
Jun 5, Jul 5	Oct-Nov	January	April	6 mo	11 mo
Oct 5, Nov 5	Feb-Mar	May	July	6 mo	10 mo

Review regularly beats this schedule: 5 months to 90% of summary statements

Awards often delayed: 13.5 months to 90% of awards

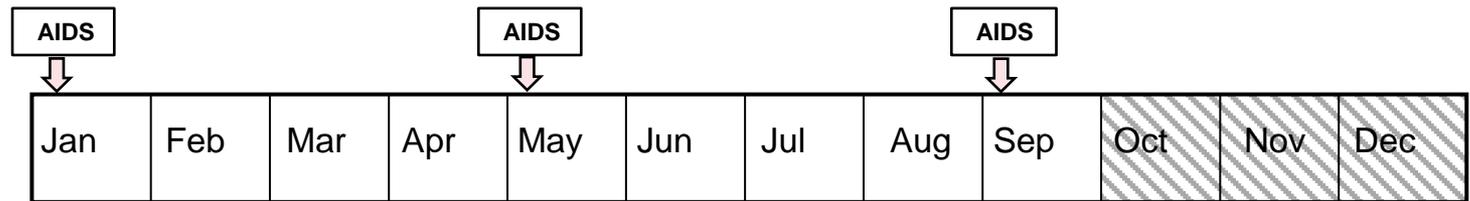
AIDS Review Schedule

Due Dates	Merit Review	SS Due	Council	Subm to SS
May 7	July	August	September	4 mo
September 7	November	December	January	4 mo
January 7	March	April	May	4 mo

This is the fastest schedule for CSR review and results in some quality compromises.

Current Timeframe for R01s -- Submission to Award

Three Main Overlapping Cycles per Year



Cycle I



Cycle II



Cycle III



<http://grants1.nih.gov/grants/funding/submissionschedule.htm>

Peer Review: Good timing for face to face review

REVIEW: Submission to Summary Statement

Submission: Should be **1 DAY** for any mechanism with **2 WEEKS** flex

Receipt and referral: **2 WEEKS**

Reviewer recruitment and application assignment by SRO: **4 WEEKS**

Reviewer time with applications and writing critiques: **4 WEEKS**

Meetings: **SPREAD OVER 4 WEEKS** (40 meetings per week)

Writing summary statements: **4 WEEKS**

Total time needed for review from submission to SS: **4.5 MONTHS**

Suggested Review Schedule R01

Due Dates	Merit Review	SS Due	Council	Subm to SS
January	April	May	July	4.5 mo
May	August	September	November	4.5 mo
September	December	January	March	4.5 mo

This is a faster schedule for CSR review and has no quality compromises but creates some workload distribution and flexibility problems. The latter may be solved by sliding due dates a month earlier and allowing more internal adjustments for a 5-5.5 month time to summary statement.

New Cycle 1 on 2015 Calendar

January	February	March	April
<p>S M T W T F S</p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30 31</p> <p>Submission DRR</p>	<p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>SRO Recruit & Assign</p>	<p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30 31</p> <p>Reviewer Critiques</p>	<p>S M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30</p> <p>Review Meetings</p>
May	June	July	August
<p>S M T W T F S</p> <p>1 2</p> <p>3 4 5 6 7 8 9</p> <p>10 11 12 13 14 15 16</p> <p>17 18 19 20 21 22 23</p> <p>24 25 26 27 28 29 30</p> <p>31</p> <p>Summary Statements</p>	<p>S M T W T F S</p> <p>1 2 3 4 5 6</p> <p>7 8 9 10 11 12 13</p> <p>14 15 16 17 18 19 20</p> <p>21 22 23 24 25 26 27</p> <p>28 29 30</p> <p>Select Awards</p>	<p>S M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30 31</p> <p>Council</p>	<p>S M T W T F S</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p> <p>30 31</p> <p>Prep Awards</p>
September	October	November	December
<p>S M T W T F S</p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30</p> <p>Awards</p>	<p>S M T W T F S</p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30 31</p>	<p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30</p>	<p>S M T W T F S</p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30 31</p>

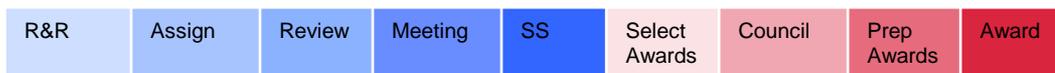


Proposed Timeframe for R01s -- Submission to Award

Three Main Overlapping Cycles for 2015

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Cycle I



Cycle II



Cycle III



<http://grants1.nih.gov/grants/funding/submissionschedule.htm>

Where to make improvements in submission to award

- Start with awards – help NIH avoid fiscal year startup blues. Consider January, May, and September as award months.
- Make application submission through Grants.gov smoother. Provide strong support for new software
- Give more positive reinforcement for reviewers- light refreshments and better travel rules
- Help us control the number of applications

For review of the full load of applications we think that about 4.5 months from submission to summary statement can be done; to try to go faster under current application loads will compromise quality.

This Is CSR



Questions? Comments?

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